ANNUAL GROUNDWATER MONITORING REPORT 2003-2005
BUILDING 645 SITE
CAMP LEJEUNE
NORTH CAROLINA

VOLUME I
Revision 0

Prepared for:

DEPARTMENT OF THE NAVY
Contract No. N62470-03-D-4000
Task Order No 0018



Atlantic Division
Naval Facilities Engineering Command
6506 Hampton Boulevard
Building C, Room 311
Norfolk, Virginia 23508

Prepared by:

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17 January 2006

EEI PROJECT NO. LDO3-020

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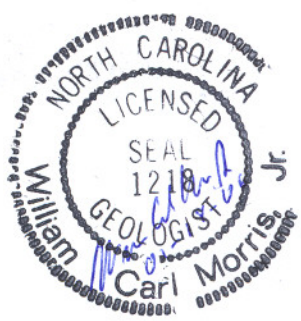
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We hereby certify that the Report shown and marked in this submittal is proposed to be incorporated into Contract Number N62470-03-D-4000, is in compliance with the contract drawings and specifications, can be installed in the allocated spaces, and is submitted for Government approval.

Certified by QC Project Manager
William C. Morris, North Carolina P.G. #1218

Project Manager
William C. Morris, North Carolina P.G. #1218

17 January 2006



LIST OF ACRONYMS/ABBREVIATIONS

Accutest	Accutest Laboratories Southeast, Inc.
AFVR	Aggressive Fluid/Vapor Recovery
AS/SVE	Air Sparge/Soil Vapor Extraction
AST	Above Ground Storage Tank
bgs	below ground surface
CAP	Corrective Action Plan
Catlin	Catlin Engineers and Scientists
CSA	Comprehensive Site Assessment
Δh	change in head measured along direction of groundwater flow
ΔL	straight-line distance between groundwater head measurement locations.
DI	Deionized Water
DWM	Division of Waste Management
EEI	Engineering and Environment, Inc.
EPA	United States Environmental Protection Agency
FID	Flame ionization detector
ft/dy	feet per day
i	hydraulic gradient
Jones	J.A. Jones Environmental Services Company
K	hydraulic conductivity
L	Liter
LUST	Leaking Underground Storage Tank
MCB	Marine Corps Base
MCL	Maximum Concentration Limit
msl	mean sea level
NAVFACENGCOM	Naval Facilities Engineering Command
NCAC	North Carolina Administrative Code
NCDENR	North Carolina Department of Environment and Natural Resources
NCGS	North Carolina Geological Survey
NCGWQS	North Carolina Groundwater Quality Standard
n_e	effective porosity
PAH	Polynuclear Aromatic Hydrocarbons
PVC	Polyvinyl Chloride
PID	Photoionization Detector
ppm	Parts per million
QC	Quality Control
Shaw	Shaw Environmental, Inc.
TICs	Tentatively Identified Compounds
TPH	Total Petroleum Hydrocarbons
ug/L	micrograms per liter
UST	Underground Storage Tank
V	groundwater linear flow velocity
VOC	Volatile Organic Compound

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EXECUTIVE SUMMARY

On behalf of the Department of the Navy, Atlantic Division, Naval Facilities Engineering Command, Engineering and Environment, Inc. has prepared this annual groundwater monitoring report for the Building 645 Site, Marine Corps Base Camp Lejeune, North Carolina. The report presents the findings of groundwater monitoring activities conducted from September 2003 through November 2005.

The site is located on MCB Camp Lejeune in Onslow County, North Carolina. Within Camp Lejeune, the site is located at the Hadnot Point Area, approximately 5,000 feet southeast of Northeast Creek. The subject site is located on Brewster Boulevard near the intersection of Holcomb Boulevard.

Previous investigations indicated that gasoline was released from a former above ground storage tank (AST) located near former Building 645. Petroleum constituent were detected in soil in at concentrations above regulatory standards. Free product was not observed at the site. Dissolved phase petroleum constituents were detected above North Carolina Groundwater Quality Standards (NCGWQS) at shallow, intermediate, and deep surficial aquifer wells.

A Corrective Action Plan prepared in 1996 recommended Air Sparging/Soil Vapor Extraction (AS/SVE) to address petroleum constituents in the subsurface. The system was installed and first activated in 1998. A periodic groundwater monitoring program was initiated at the time the remediation system was activated.

Data from the monitoring program in part identified elevated and increasing petroleum constituents in deep monitoring well MW-18, located several hundred feet upgradient of the former AST. In November 2000, additional investigation in the vicinity of this well was conducted. Results of the investigation were inconclusive; an off-site source was not identified and it was considered that the constituents monitored by well MW-18 were localized to the well.

An optimization study conducted in 2004 indicated that the remediation system has been effective in reducing petroleum constituent concentrations in the shallow and intermediate wells, but only limited reductions in concentrations had been made in the deeper portion of the aquifer. Addition investigation of the deep aquifer was recommended.

The current program was initiated in September 2003 and completed in November 2005. The program included: system inspections, monitoring, and maintenance conducted approximately three times per week; gauging of site wells conducted monthly; and quarterly groundwater sampling at 10 to 23 monitoring wells.

Data from the program indicate a downward vertical gradient is present between the upper and lower portions of the surficial aquifer, primarily in the central portion of the site. No measurable free product was detected at any site wells. Various petroleum constituents are present in shallow and deep groundwater at concentrations above NCGWQSs. Elevated concentrations are observed at shallow wells located in the immediate vicinity of the former AST. Elevated concentrations are observed at and downgradient of deep well MW-18, located several hundred

feet upgradient of the former AST. The source of the petroleum constituent monitored by this well is unknown. Petroleum constituent concentrations in shallow, intermediate, and deep wells, while above NCGWQSs, are decreasing over time, indicating that operation of the AS/SVE system is benefiting groundwater quality at the site.

It is recommended to continue operation of the AS/SVE system, and to continue site monitoring activities in a manner consistent with those used during this monitoring program, with findings reported annually. Additional investigation of deep groundwater conditions in the vicinity of well MW-18 should be conducted.

SECTION 1
INTRODUCTION

On behalf of the Department of the Navy, Atlantic Division, Naval Facilities Engineering Command (NAVFACENGCOM), Engineering and Environment, Inc. (EEI) has prepared this annual groundwater monitoring report for the Building 645 Site, Marine Corps Base (MCB) Camp Lejeune, North Carolina. The report presents the findings of groundwater monitoring activities conducted from September 2003 through November 2005. This report and the methods used to acquire the data in support of this report have been prepared in accordance with the North Carolina Department of Environmental Resources (NCDENR), Division of Water Quality (DWQ), Aquifer Protection Section (APS, formerly Groundwater Section) guidelines (NCDENR, 2000) and the site specific work plan prepared for this site by EEI (EEI, 2003). The site has not been assigned an incident number by NCDENR.

1.1 Site Description

The site is located on MCB Camp Lejeune in Onslow County, North Carolina (Figure 1-1). Within Camp Lejeune, the site is located at the Hadnot Point Area, approximately 5,000 feet southeast of Northeast Creek. The subject site is located on Brewster Boulevard near the intersection of Holcomb Boulevard.

The site is generally flat, with a gentle downward slope to the northwest. No permanent surface water bodies are present. The nearest mapped body of water is Northeast Creek, located approximately 5,000 feet northwest of the site. Two water supply wells are located within 1,500 feet of the site.

1.2 Site History

Building 645 was used as a pump house and was located near the intersection of Holcomb Boulevard and Brewster Boulevard (Figure 1-2). A 50-gallon capacity steel aboveground storage tank (AST) (later described as a 110-gallon capacity AST located to the north of the building was used to supply gasoline to a generator that powered the well inside Building 645. The well inside the building reportedly was 245 feet deep. In 1985, the well was deactivated when petroleum constituents were detected in water samples collected from the well; the AST is the suspected source of the petroleum impacts. In the fall of 1995, the well was permanently abandoned and the pump house was demolished.

Three monitoring wells were installed at the site in October 1993. The wells were completed to depths of approximately 23 feet below ground surface (bgs). Soil samples collected during the monitoring well installation indicated that soils in the vicinity of the AST contained reportable concentrations of Total Petroleum Hydrocarbons as Gasoline (TPH-GRO). Groundwater samples collected from the three monitoring well indicated that groundwater in the vicinity of the AST contained concentrations of benzene, toluene, ethylbenzene, xylenes, naphthalene, and lead above the United States Environmental Protection Agency's established Maximum Concentration Levels for compounds in drinking water.

In 1994 and 1996, additional site assessment activities were conducted. The investigations identified petroleum constituents in vadose zone soil exceeding regulatory limits. Petroleum constituents at concentrations above North Carolina Groundwater Quality Standards (NCGWQSs) were detected in groundwater samples collected from the upper portions of the shallow aquifer to depths greater than 80 feet bgs (Catlin, 1994, 1996a).

A corrective action plan (CAP) was prepared for the site in 1996. The CAP identified air sparging/soil vapor extraction (AS/SVE) as the recommended remedial response (Catlin, 1996b). An AS/SVE system was installed and started in 1998 (Figure 1-2). A groundwater monitoring program was initiated at that time.

Data from the monitoring program in part identified elevated and increasing petroleum constituents in deep monitoring well MW-18, located several hundred feet upgradient of the former AST. In November 2000, additional investigation in the vicinity of this well was conducted. Results of the investigation were inconclusive; an off-site source was not identified and it was considered that the constituents monitored by well MW-18 were localized to the well (Jones, 2002).

An optimization study conducted in 2004 indicated that the remediation system has been effective in reducing petroleum constituent concentrations in the shallow and intermediate wells, but only limited reductions in concentrations had been made in the deeper portion of the aquifer. Addition investigation of the deep aquifer was recommended (Catlin, 2004).

The current monitoring program was initiated in September 2003 and completed in November 2005. The program included inspection, maintenance, and monitoring of the AS/SVE system, typically three times per week, periodic gauging at site monitoring wells (typically conducted monthly), and quarterly groundwater sampling at 10 to 23 monitoring wells.

Data for the current monitoring program are discussed in the following sections. Section 2 describes field methods used at the site. Section 3 discusses hydrogeologic characteristics of the site. Laboratory analytical results, product gauging data, and product recovery data are presented in Section 4. Section 5 provides conclusions and recommendations based on review of the data. References cited in the report are listed in Section 6. Figures and tables are organized after the text. Supporting documentation (summary field measurements and laboratory analytical reports) are contained in Appendices A and B, respectively, with Appendix B (laboratory analytical reports) presented Volume II.

SECTION 2
FIELD PROGRAM

Field methods employed during the groundwater monitoring program are discussed briefly below. Activities were conducted in accordance with NCDENR guidance (NCDENR, 2000) and as per the work plan (EEI, 2003), which details the field methods.

2.1 Well Gauging

Monitoring wells MW-1 through MW-23 were gauged monthly from December 2003 through November 2005. Field data sheets for an initial gauging event conducted in September 2003 could not be located. A summary of the field gauging data is presented in Appendix A.

Wells were gauged using an electronic interface probe to measure the depth to water and depth to product (if present). Data were recorded to the nearest 0.01 foot and referenced to the surveyed top of casing. No measurable free product was detected at any site well designated for gauging during the monitoring program.

2.2 Groundwater Sampling

Groundwater samples were collected as follows: monitoring wells MW-1, MW-2, MW-3, MW-9, MW-12, MW-15, MW-18, MW-21, MW-22, and MW-23 were sampled quarterly, monitoring wells MW-6, MW-11, MW-13, MW-16, and MW-17 were sampled semi-annually (in addition to the wells sampled quarterly), and monitoring wells MW-4, MW-5, MW-7, MW-8, MW-10, MW-14, MW-19, and MW-20 were sampled annually (in addition to the wells sampled quarterly and semi-annually). One duplicate sample was collected during each quarterly field event.

Prior to sampling, standing water in the wells was purged using a low-flow sampling pump discharging through polyethylene tubing. Water quality indicator parameters (pH, temperature, conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity) were measured and recorded repeatedly during the purge. Purging was continued until a minimum of three well casing volumes of water had been removed and water quality indicator parameters had stabilized or until a maximum of five well casing volumes had been purged. If a well purged to dryness, the well was allowed to recharge, and a sample then was collected. Samples were collected immediately upon completion of the purge (after allowing for a short recharge period, if required) by filling the laboratory-prepared sample bottles directly from the discharge tubing. Samples were kept in an iced cooler from the time of collection until received by the laboratory.

Groundwater samples collected during the events were analyzed for the following parameters:

- VOCs, EPA Method 602
- PAHs, EPA Method 610 (only used in September 2003 event)
- PAHs, EPA Method 625 (replaced Method 610 after September 2003 event)

Samples were submitted under chain-of-custody to Accutest Laboratories Southeast, Inc. Samples were delivered to the laboratory via overnight commercial courier.

2.3 Well Maintenance

During the sampling events, any brush, debris, and/or litter in the vicinity of the well heads were cleared. The well heads, casing risers, well pads, bollards, well caps, locks, etc. were inspected for damage or deterioration. During the monitoring program, all wells appeared to be undamaged and in serviceable condition.

2.4 Equipment Decontamination

During each sampling event, the pump was decontaminated before first use and after each use by pumping a mixture of Alconox soap and potable water through the pump. The pump then was rinsed by pumping potable water through it, and final-rinsed with deionized (DI) water. New polyethylene tubing was used at each well.

Down-hole gauging equipment was decontaminated after each use by washing with an Alconox/DI water mixture, followed by a DI water rinse. Water quality probes were decontaminated with a DI rinse.

2.5 System Operation and Maintenance

The remediation system includes 14 vertical air sparge (AS) wells, four soil vapor extraction (SVE) wells, and 21 soil vapor collection vent borings (Figure 1-2). Six of the 14 vertical air sparge wells were installed to a depth of 80 feet bgs, the remaining eight air sparge wells were advanced to a depth of 50 feet bgs. The system has been operational since it was installed in 1998.

The system generally operated continuously except during equipment servicing/repair, power outages, high level water alarms, etc. Additionally, the system was temporarily deactivated prior to each groundwater sampling event, then re-started following each event. During the week ending 14 May 2004, the air sparge compressor failed. Following inspection and several attempts to repair the compressor, it was determined that a replacement unit was required. A replacement unit was subsequently obtained and installed, and the system was restarted during the week of 4 October 2004. In March 2005, EEI personnel installed new high capacity flow meters on air sparge wells in order to increase air flow rates through the wells. EEI personnel also installed sealed well caps on some monitoring wells to remedy the problem of well caps being blown off due to pressurization from the increased sparge air flow.

System monitoring and maintenance was performed regularly, with site visits conducted approximately three times per week. Instrument readings conducted during the site visits included AS flow rates, AS/SVE pressures/vacuums, temperatures, tank liquid levels, electricity usage, and motor run times. Servicing (oil changes, belt re-tensioning or replacement, filter changes, etc.) were conducted as per manufactures instructions or as needed based on system inspection. Emptying of the polyethylene holding tank was conducted as needed.

Photoionization detector (PID) readings were recorded monthly in 2004 and weekly beginning in 2005. Readings were recorded by attaching the PID instrument inlet to a port located on the discharge stack of the SVE system, or by filling a tedlar bag from the SVE header (inflated by placing the bag in vacuum chamber) and then connecting the PID instrument inlet to the inflated tedlar bag. Beginning in 2005, vapor velocity readings, vapor temperature, and vapor vacuum/pressure were recorded at the time the PID readings were recorded. Additionally, sorbent tube samples of the SVE vapor were collected from the SVE discharge stack in September and October 2003, and monthly from February 2005 through November 2005. The samples were collected by attaching a sampling pump set at a flow rate of one liter per minute to the downstream end of a pair of sorbent tubes (attached in series), with the upstream end of the tubes attached to the SVE discharge stack sample port. In 2003 the samples were collected over a 15-minute interval to draw 15 liters of air though the tubes; for samples collected in 2005, the samples were collected over a 120-minute interval to draw 120 liters of air through the tubes. The tubes were submitted for analysis for VOCs by EPA Method 18 (modified).

2.6 Waste Handling Procedures

Well purge water, development water, and equipment decontamination water generated during the field events were contained in a portable holding tank or 55-gallon steel drums. Water that accumulated in the SVE system polyethylene hold tank was removed in a vacuum truck operated by Shaw Environmental, Inc. (Shaw). The water was processed through a groundwater treatment system located at Lot 203 on MCB Camp Lejeune. Used tubing and other miscellaneous material were collected and bagged as they were generated. This material was treated as normal solid waste and placed in EEI's refuse container.

SECTION 3
HYDROGEOLOGY

The hydrogeologic characteristics of the subsurface substantially control the movement of groundwater, which strongly influences contaminant movement. The regional geologic setting provides a framework for understanding and interpreting the site-specific hydrogeology. Knowledge of the latter allows for evaluating groundwater flow at a scale relevant to the monitoring program.

3.1 Regional Hydrogeology

The site is located in the eastern portion of the Coastal Plain Physiographic Province of North Carolina. The Coastal Plain consists of nearly flat to gently dipping sedimentary strata of varying composition that overlie a crystalline basement complex. Approximately 80 miles northwest of the site, the Coastal Plain pinches out where it contacts the Piedmont Physiographic Province along the Fall Line. East of the Fall Line, the sediments gradually thicken, reaching a maximum thickness of approximately 10,000 feet at Cape Hatteras, North Carolina. In the vicinity of the site, the sedimentary sequence is estimated to be approximately 2,000 feet thick (NCGS, 1988).

Surficial deposits of Quaternary age are present in and around the area of the site, typically at thicknesses ranging from about 25 to 80 feet. The uppermost mapped unit in the area of the site is identified as the River Bend Formation of Tertiary age, described as a calcareous limestone interlaced with indurated sandy, molluscan limestone (NCGS, 1985). The River Bend Formation overlies the Castle Hayne Formation, also of Tertiary age. The Castle Hayne Formation is described as gray to cream colored, fine grained to fossiliferous calcareous limestone with minor amounts of fine quartz, glauconite, and phosphate (NCGS, 1988). The thickness of the Castle Hayne Formation in the vicinity of the site is estimated at approximately 300 feet. The Castle Hayne aquifer is a primary source of potable water for the area.

3.2 Site Hydrogeology

The site is generally flat, with a gentle downward slope to the northwest. No permanent surface water bodies are present. The nearest mapped body of water is Northeast Creek, located approximately 5,000 feet northwest of the site.

Shallow soil at the site is described as fine-to-medium clayey sands and silty sands with minor clay and sand lenses to depths of approximately 20 feet bgs. Fine grained sands are the primary lithology encountered from 20-50 feet bgs. Limestone was encountered at depths of 50-70 feet bgs, and fine sands with limestone fragments are typically encountered at depths below 80 feet bgs.

Monitoring wells at the site consist of shallow, intermediate, and deep wells screened in different zones of one unconfined surficial aquifer. There are 11 shallow wells, two intermediate wells, and 10 deep wells present at the site. Table 3-1 presents a summary of available well construction data as reported from previous studies.

Using the top-of-casing elevations (where available) and gauging data recorded at the site, groundwater elevations for the site monitoring wells were calculated. Table 3-2 presents groundwater elevation data for gauging events conducted during the current monitoring program. Field measurements of depth-to-water and depth-to-product respectively are summarized in Tables A-1 and A-2 of Appendix A.

The elevation data for the shallow and deep wells were used to construct surficial aquifer groundwater elevation maps for gauging events corresponding to the eight groundwater sampling events conducted during the current monitoring program. From the shallow and deep well maps, groundwater flow direction can be estimated. Figures 3-1 through 3-16 respectively present groundwater elevation maps for gauging events coinciding with quarterly sampling events conducted from December 2003 through September 2005. (Field data sheets for the September 2003 sampling event could not be located.)

From the figures, groundwater flow direction in the shallow portion of the aquifer is consistently toward the southwest. Groundwater flow direction in the deep portion of the aquifer (excluding the easternmost portion) generally is inconsistent and varies from one event to the next. The easternmost portion of the deep aquifer consistently flows in an east to west direction.

The horizontal gradient i (unitless) is calculated using the standard equation $i = \Delta h / \Delta L$, where Δh is the change in head measured along the direction of groundwater flow, and ΔL is the straight-line distance between the measurement locations. Using data from the current program monitoring events, the horizontal gradient has been calculated using data from well pairs that are closely aligned with the groundwater flow direction. Selected well pairs include shallow wells MW-23 / MW-19 and deep wells MW-18 /MW-22 (Table 3-3).

From Table 3-3, the average horizontal gradient for the listed gauging events is 0.016 to the west-southwest for shallow well pair MW-23 / MW-19. For deep well pair MW-18 /MW-22, the average horizontal gradient in the eastern portion of the site is 0.015 to the west. (The well pair average is calculated by summing all of the calculated gradients for the pair and dividing by the total number of gauging events for the pair.

The groundwater linear flow velocity V is calculated using the standard equation $V = (Ki) / n_e$, where i is the horizontal gradient (discussed above), K is the hydraulic conductivity, and n_e is the effective porosity. Previous investigations have provided estimates of shallow zone K based on an aquifer pumping test; the shallow zone estimate for n_e was based on examination of subsurface soil samples. The investigation identified a value for K of 29.23 feet per day (ft/dy), and a value of 0.25 was estimated for n_e. (Estimates for K and n_e for the deeper portion of the aquifer are not available, and therefore similar estimates of the deep zone linear flow velocity could not be calculated.)

Using the average values for shallow zone K and n_e and the shallow zone horizontal gradients calculated for the shallow well pair discussed above, linear flow velocities for the gauging events have been calculated (Table 3-3). From Table 3-3, the average linear velocity is 1.93 ft/dy (704 feet per year) to the west southwest for well pair MW-23 / MW-19. The calculated velocity does

not account for tortuosity (a parameter describing the deviation from a straight line flow path as groundwater moves around and between grains of soil). Consequently, at scales comparable to the size of the site, the linear velocity will overestimate the effective distance groundwater will travel for a given period of time.

Vertical gradients (unitless) have been calculated using elevation data from the current monitoring program for shallow/intermediate/deep well clusters MW-3 / MW-12/ MW-9 and MW-8 / MW-13 / MW-11, located in the central portion of the site. Vertical gradients also were calculated for shallow / deep well pairs MW-6 / MW-18 (located in the eastern portion of the site), MW-19 / MW-20 (located in the southwestern portion of the site), and MW-7 / MW-10 (also located in the southwestern portion of the site) (Table 3-4). From Table 3-4, a positive (downward) vertical gradient consistently is present in the well pairs located in the central portion of the site, indicating the potential for downward flow of groundwater. In this area, shallow well groundwater elevations are consistently higher than those observed in the associated intermediate and deep wells. This suggests a somewhat limited vertical hydraulic communication between the shallow portions of the surficial aquifer and the deeper portions of the aquifer, thus retarding potential downward flow. Intermediate depth wells generally exhibit only slightly greater groundwater elevations than observed in the corresponding deep wells, indicating the intermediate and deep wells intercept groundwater that is more vertically connected. For the shallow / deep well pairs in the east and southwest portions of the site, groundwater elevation differences are much less pronounced, suggesting relatively greater vertical hydraulic communication in these areas of the site.

SECTION 4
GROUNDWATER QUALITY MONITORING RESULTS

Groundwater samples were collected quarterly from September 2003 through September 2005 at subject site. Samples were analyzed for VOCs and PAHs. Well gauging was conducted monthly at 23 site wells.

4.1 Laboratory Analytical Results

Groundwater samples were collected quarterly from September 2003 through September 2005. One duplicate sample was collected during each quarterly field event, and trip blanks were provided by the laboratory for the events. Groundwater samples were analyzed by Accutest Laboratories for VOCs (EPA Method 602 with total xylene isomers and methyl tert butyl ether), and PAHs (EPA Method 610 or 625). Appendix B presents the laboratory analytical reports for each quarterly sampling event.

4.1.1 Groundwater Analytical Results

Table 4-1 summarizes the laboratory analytical results for groundwater samples collected during the current monitoring program. The table lists only those target analytes detected at one or more wells during the current or previous sampling events. Figures 4-1 through 4-9 present the dissolved petroleum constituent concentrations with in the shallow and deep aquifers over the course of the nine quarters of sampling.

From Table 4-1, several petroleum-related constituents were detected at the site during the monitoring program. VOCs detected at concentrations above NCGWQSs include benzene, toluene, ethylbenzene, and xylenes. Target analyte PAHs detected above established NCGWQSs include naphthalene and 2-methylnaphthalene. 1-methylnaphthalene was detected during some sampling events at shallow wells MW-1, MW-2, and MW-3, and occasionally at intermediate well MW-12. A NCGWQS has not been established 1-methylnapthalene; therefore, the NCGWQS is set at the reporting limit, and any detection of the constituent is, by definition, above the NCGWQS.

Beginning with December 2004 sampling event, quantitation of TICs by the PAH method was incorporated into the program. (TICs are substances not on the target compound list, and not all TICs are identified and quantitated using individual standards. Not all TICs can be identified as specific compounds, and may be reported as compound isomers or unknown. All TIC quantitations are estimated. Given the uncertainties associated with TIC quantitation, a reduced level of confidence in the reported concentrations is warranted, and the significance of the data is limited.) Table 4-1 presents total TIC concentrations; Appendix B presents laboratory reports with the TIC quantitations.

Figures 4-1 through 4-9 present maps of the estimated extent of petroleum-related constituents above established NCGWQSs for each of the quarterly sampling events conducted during the current monitoring program. (1-Methylanphalene is not presented on the figures as the standard is set at the reporting limit, which varies from analysis to analysis.) From a review of the

figures, the distribution of petroleum-related constituents above NCGWQSs generally is consistent over time. Elevated concentrations are observed at shallow wells MW-1, MW-2, and/or MW-3, located in the immediate vicinity of the former AST. Shallow well locations outside this immediate vicinity generally do not exhibit constituent concentrations above NCGWQSs. Intermediate well MW-12 and deep well MW-15, located near the former AST, exhibited concentrations above established NCGWQSs only during the September 2004 event (Figure 4-5).

Elevated concentrations are observed at deep well MW-18, extending downgradient of the well towards well MW-22, which exhibited much lower concentrations. Well MW-18 is located several hundred feet upgradient of the former AST. The source of the petroleum constituents monitored by this well is unknown.

From a review of the figures and the Table 4-1, concentrations of petroleum constituents generally are decreasing over time, both in shallow wells MW-1, MW-2, and MW-3, as well as in deep well MW-18.

4.1.2 Quality Assurance/Quality Control and Data Verification

Quality control (QC) samples collected during the monitoring program included laboratory-supplied trip blanks and field duplicate samples. Trip blanks were submitted to Accutest Laboratories for analysis for VOCs only. With the exception of two trip blanks associated with the June 2004 sampling event, no VOCs were detected in the trip blank samples. Of the two June 2004 trip blanks, toluene was the only compound detected, reported at concentrations of 1.7 and an estimated 0.93 ug/L.

Field duplicate samples were collected from various wells during the program, and results of the duplicate samples are listed in Table 4-1. The primary and QC samples were submitted to Accutest Laboratories for the same analyses. Results for each of the primary/duplicate sample sets generally were consistent.

Data verification was performed by EEI on the complete set of the primary investigative samples, and included a review of the following:

- Holding times
- Blanks
- Laboratory control spikes
- Surrogate recoveries
- Internal standards
- Calibrations

An assessment of the results indicated the data are usable for project purposes.

4.2 Free Product Gauging Results

During the current monitoring program, gauging was conducted at 23 site wells in December 2003 and monthly through November 2005. During this period, no measurable free product was detected at any well during any gauging event.

4.3 Soil Vapor Extraction System Vapor Sampling

Beginning in January 2005 and continuing through November 2005, PID readings (as well as flow velocities, SVE vapor velocities, temperatures, pressures/vacuums) were recorded at the site, typically on a weekly basis. The data were used to estimate mass removal rates for the SVE system. (PID readings were recorded monthly in 2004. However, measurements of the vapor flow were not made. Consequently, there are insufficient data to calculate mass removal rates from the 2004 PID readings.)

PID readings of the SVE vapor discharge typically did not exceed background levels. The calculated cumulative mass removed by the SVE system from 1 January 2005 through 26 November 2005 was 0.51 pound. Table A-3 in Appendix A summarizes the field measurements and presents the mass removal calculations based on the field measurements. Calculations follow NCDENR guidance (NCDENR, 2002).

Sorbent tube samples of the SVE vapor were collected from the SVE discharge stack in September and October 2003, and monthly from February 2005 through November 2005. The tubes were submitted for analysis for VOCs by EPA Method 18 (modified). Of these samples, GRO was the only constituent detected, reported at a concentration of 190 milligrams per cubic meter (mg/m^3) for the sample collected 1 July 2005 and 4.4 mg/m^3 for the sample collected 30 September 2005; no constituents were detected in the other samples. In conjunction with measurements of the flow velocities, SVE vapor velocities, temperatures, and pressures/vacuums, mass removal rates were calculated, as was the estimated mass removed. The estimated total mass removed was 132.5 pounds. Table A-4 in Appendix A summarizes the field measurements and presents the mass removal calculations based on the field measurements. Calculations follow NCDENR guidance (NCDENR, 2002).

SECTION 5
CONCLUSIONS AND RECOMMENDATIONS

Conclusions and recommendations have been developed based on a review of site data. Each is discussed below.

5.1 Conclusions

The following conclusions have been drawn based on site data:

- Previous investigations indicate gasoline was released from a former AST located beside former Building 645.
- Previous investigations indicated petroleum constituent concentrations in vadose zone soils at the site exceeded regulatory standards.
- Shallow surficial aquifer groundwater flow is to the west and southwest. A downward vertical gradient is present between the upper and lower portions of the surficial aquifer, primarily in the central portion of the site. Groundwater flow in deeper portions of the aquifer is to the west in the eastern portion of the site, but is variable in the western portion of the site.
- No measurable free product was observed at any site well during the monitoring program.
- Various VOCs and PAHs are present in shallow and deep groundwater at concentrations above NCGWQSs. Elevated concentrations are observed at shallow wells located in the immediate vicinity of the former AST. Elevated concentrations are observed at and downgradient of deep well MW-18, located several hundred feet upgradient of the former AST. The source of the petroleum constituents monitored by this well is unknown.
- Petroleum constituent concentrations in shallow and deep wells, while above NCGWQSs, are decreasing over time, indicating that operation of the AS/SVE system is benefiting groundwater quality at the site.

5.2 Recommendations

The following recommendations are made based on site data:

- Continue operation of the AS/SVE system to address petroleum constituents in soil and groundwater at the site.
- Continue site monitoring activities in a manner consistent with those used during this monitoring program. Report findings annually.
- Conduct additional investigation of deep groundwater conditions in the vicinity of well MW-18.

SECTION 6
REFERENCES

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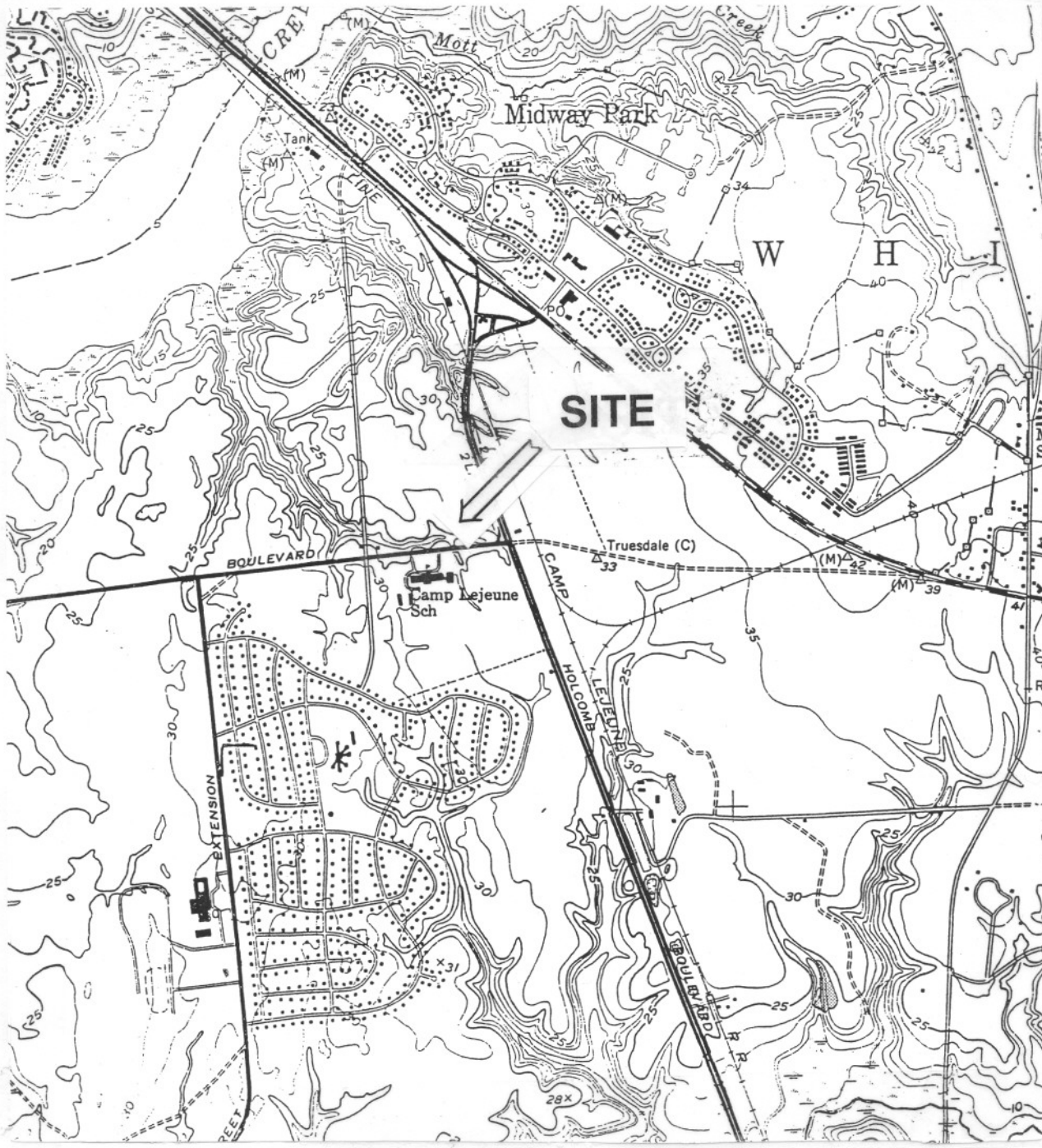
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FIGURES



SCALE (Feet)

1000 0 1000 2000

(1:24000)

U.S.G.S TOPOGRAPHIC MAP
CAMP LEJEUNE N.C.
1952
PHOTOREVISED 1971

	FIGURE 1-1	SITE LOCATION
Engineering & Environment, Inc.	DATE 11/17/05	BUILDING 645 SITE ANNUAL MONITORING REPORT MCB CAMP LEJEUNE, NC
	REVISION 0	
	DRAWN BY WCM	
	FILE BLD 645_TOPO	

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER

MAGNETIC NORTH (AUGUST 1996)

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

DITCH
GRAVEL SERVICE RD.
CULVERT
WOODS
SVE Line 1
SVE Line 2
SVE Line 3
SVE Line 4
TREATMENT BUILDING LOCATION
FORMER GASOLINE AST
FORMER LOCATION BUILDING 645
BRUSH
BREWSTER BOULEVARD

SCALE (Feet)
20 0 20 40

Engineering & Environment, Inc.

FIGURE	1-2
DATE	11/30/05
REVISION	0
DRAWN BY	WCM
FILE	Bld645 North

SITE LAYOUT,
WELL LOCATIONS, AND
FORMER AST LOCATION
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- SHALLOW WELL GROUNDWATER ELEVATION
- SHALLOW WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)

MAGNETIC NORTH (AUGUST 1996)

MW-5 17.88
MW-4 11.16
MW-21
MW-8 17.83
MW-11
MW-13
AS-7
AS-9
AS-14
SVE Line 1
TREATMENT BUILDING LOCATION
FORMER GASOLINE AST
FORMER LOCATION BUILDING 645
MW-12
MW-9
MW-3 17.76
MW-1 17.63
MW-15
AS-6
AS-3
AS-8
MW-23 17.58
AS-1
MW-22
MW-2 17.69
MW-17
MW-18
MW-6 18.70
AS-5
SVE Line 3
SVE Line 2
AS-2
AS-14
AS-13
AS-12
AS-11
SVE Line 4
AS-4
CULVERT
BREWSTER BOULEVARD
MW-20
MW-19 13.54
MW-16
MW-14 13.78
MW-7 13.71
MW-10
WOODS
BRUSH
DITCH
GRAVEL SERVICE RD.

SCALE (Feet)
20 0 20 40

Engineering & Environment, Inc.	FIGURE	3-1
	DATE	11/30/05
	REVISION	0
	DRAWN BY	WCM
	FILE	Bld645 North

SHALOW WELL GROUNDWATER ELEVATIONS FOR 8 DECEMBER 2003
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- DEEP WELL GROUNDWATER ELEVATION
- DEEP WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)

MAGNETIC NORTH (AUGUST 1996)

MW-5
MW-4
MW-21 13.30
MW-8
13.17
MW-11
MW-13
AS-7
SVE Line 1
AS-9
SVE Line 1
TREATMENT BUILDING LOCATION
AS-14
SVE Line 2
AS-8
FORMER GASOLINE AST
MW-12
MW-9 13.87
MW-3
MW-1
FORMER LOCATION BUILDING 645
AS-6
AS-3
MW-15 13.42
MW-2
MW-23
AS-1
MW-22 13.71
MW-17 13.53
SVE Line 2
AS-2
AS-5
SVE Line 3
SVE Line 3
CULVERT
AS-14
AS-13
AS-12
AS-11
SVE Line 4
AS-4
MW-18 16.39
MW-6
MW-20 13.40
MW-19
MW-16 13.58
MW-7
MW-14
MW-10 13.66

WOODS
DITCH
GRAVEL SERVICE RD.
CULVERT
BRUSH
BREWSTER BOULEVARD
14
15
16

SCALE (Feet)
20 0 20 40

Engineering & Environment, Inc.

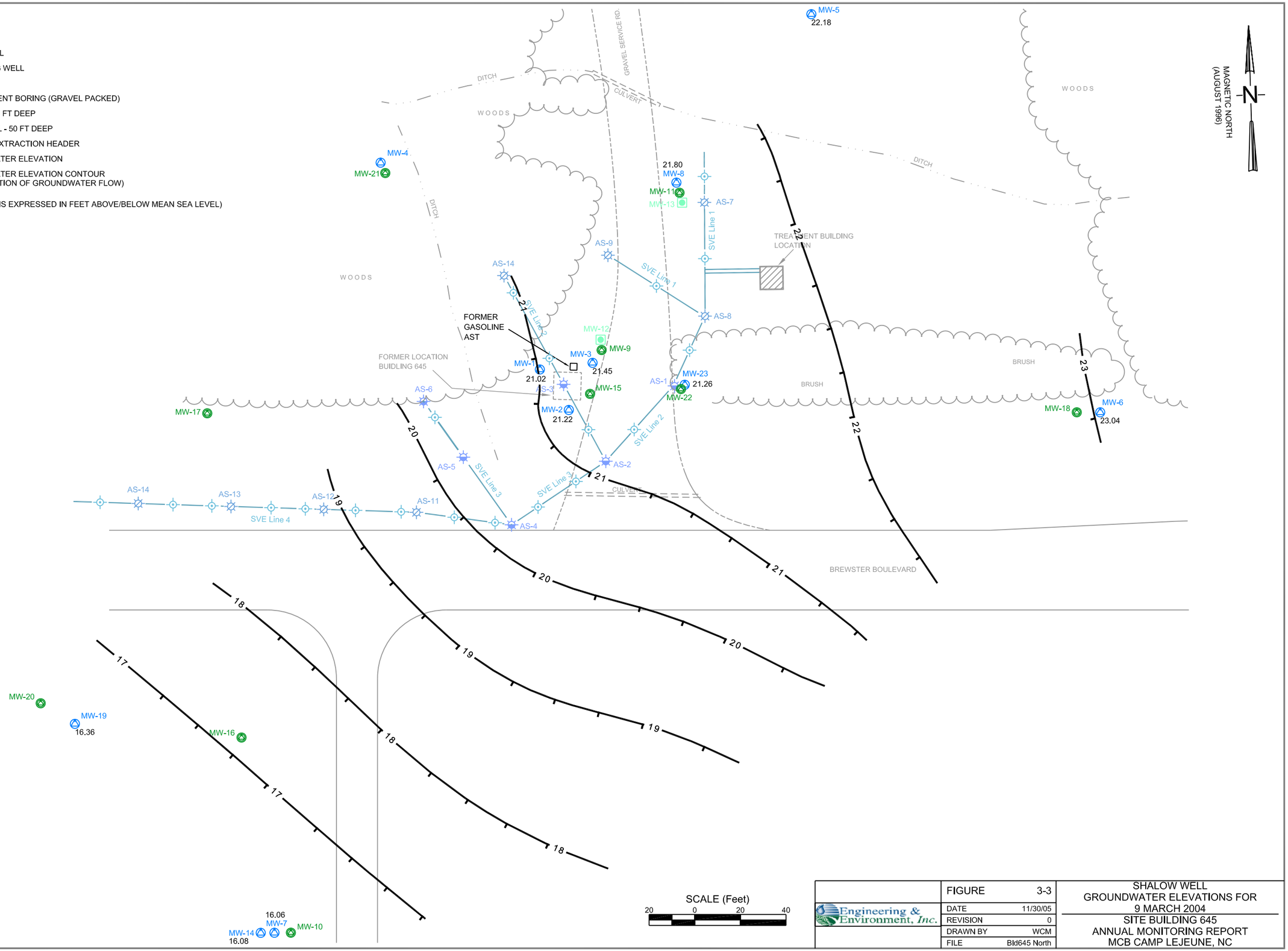
FIGURE	3-2
DATE	11/30/05
REVISION	0
DRAWN BY	WCM
FILE	Bld645 North

DEEP WELL
GROUNDWATER ELEVATIONS FOR
8 DECEMBER 2003
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- SHALLOW WELL GROUNDWATER ELEVATION
- SHALLOW WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)

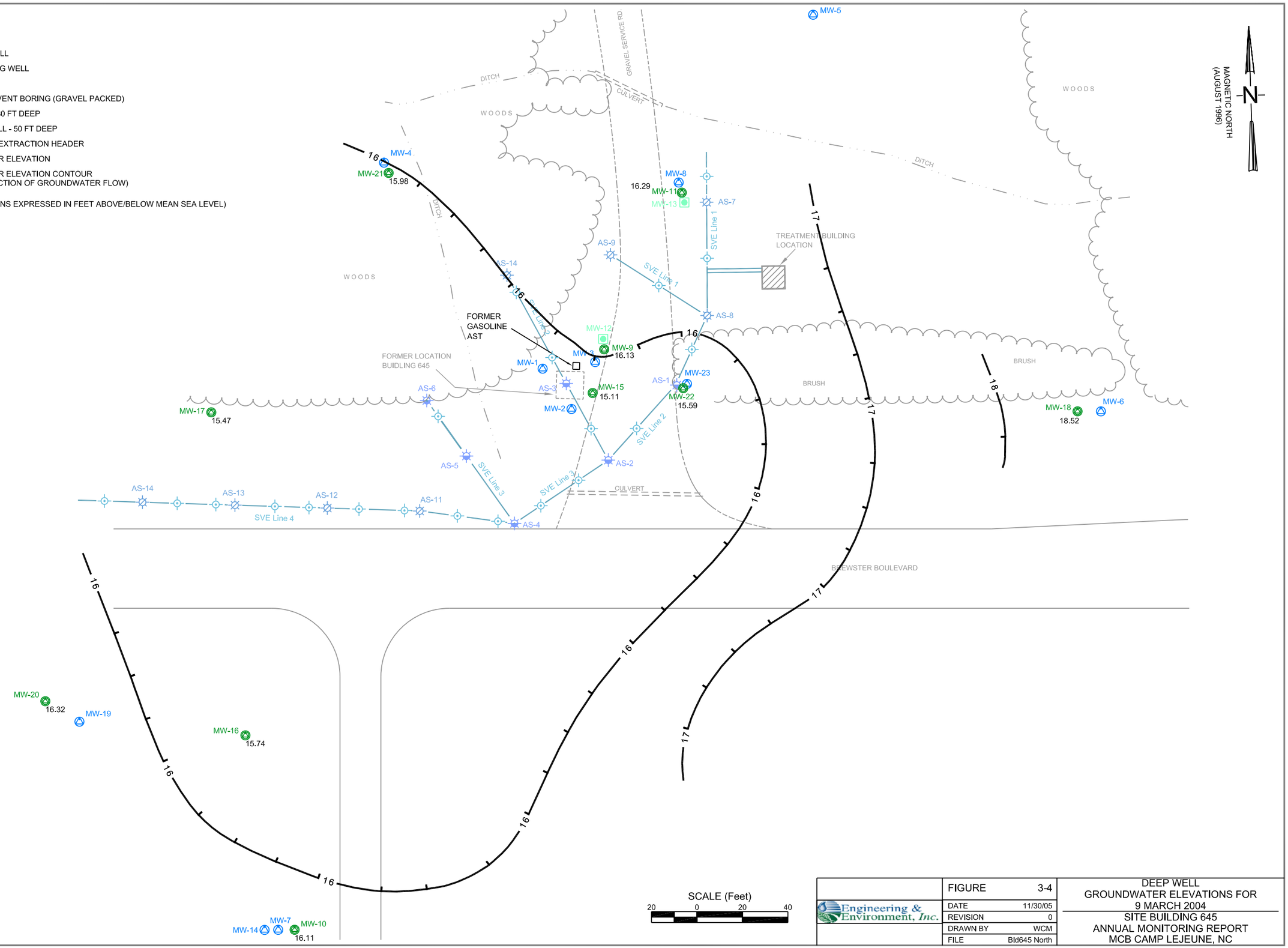


Engineering & Environment, Inc.	FIGURE 3-3	SHALOW WELL GROUNDWATER ELEVATIONS FOR 9 MARCH 2004
	DATE 11/30/05	SITE BUILDING 645
	REVISION 0	ANNUAL MONITORING REPORT
	DRAWN BY WCM	MCB CAMP LEJEUNE, NC
	FILE Bld645 North	

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- DEEP WELL GROUNDWATER ELEVATION
- DEEP WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)

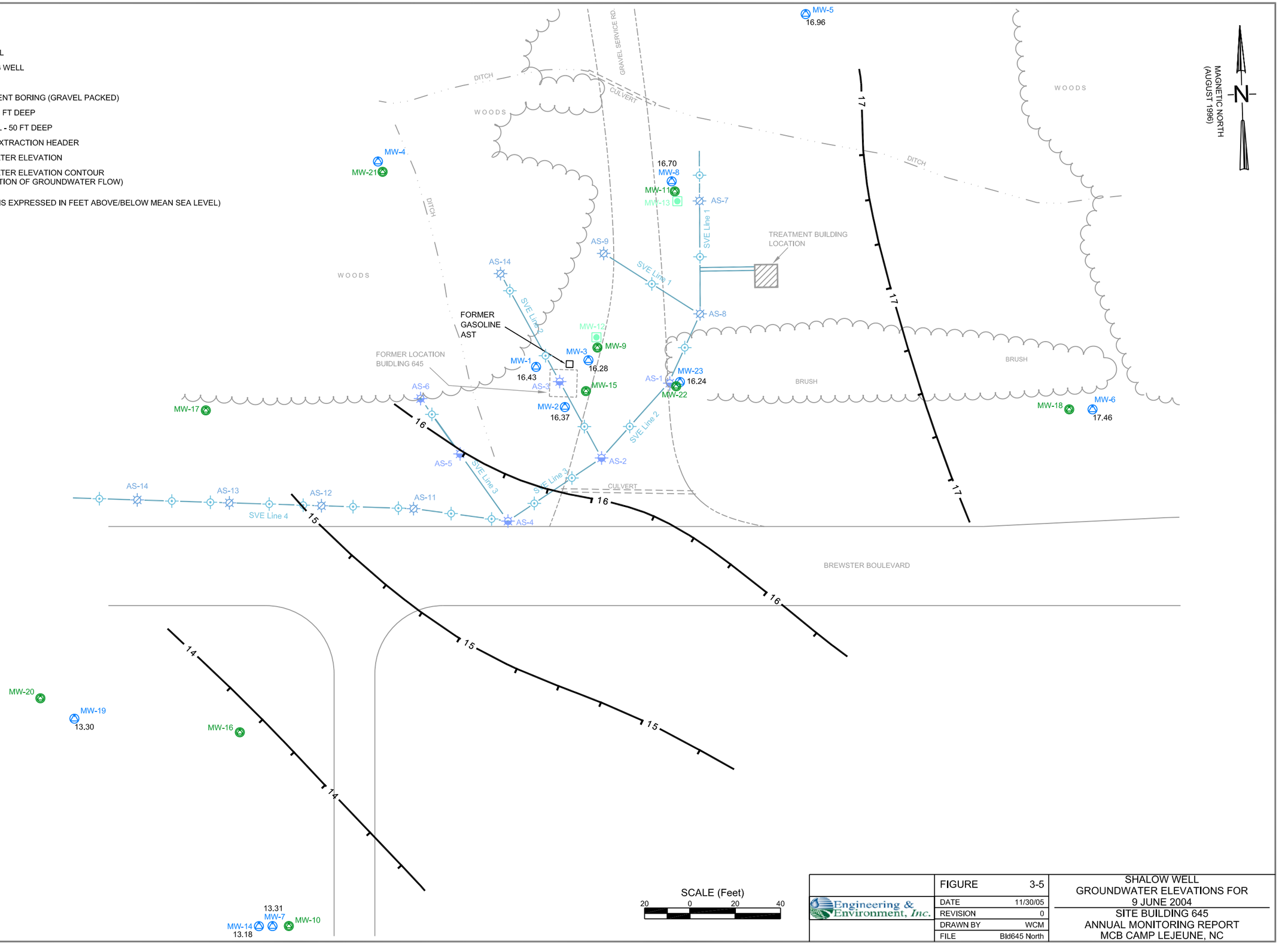


Engineering & Environment, Inc.	FIGURE 3-4	DEEP WELL GROUNDWATER ELEVATIONS FOR 9 MARCH 2004 SITE BUILDING 645 ANNUAL MONITORING REPORT MCB CAMP LEJEUNE, NC
	DATE 11/30/05	
	REVISION 0	
	DRAWN BY WCM	
	FILE Bld645 North	

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- SHALLOW WELL GROUNDWATER ELEVATION
- SHALLOW WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)



Engineering & Environment, Inc.

FIGURE	3-5
DATE	11/30/05
REVISION	0
DRAWN BY	WCM
FILE	Bld645 North

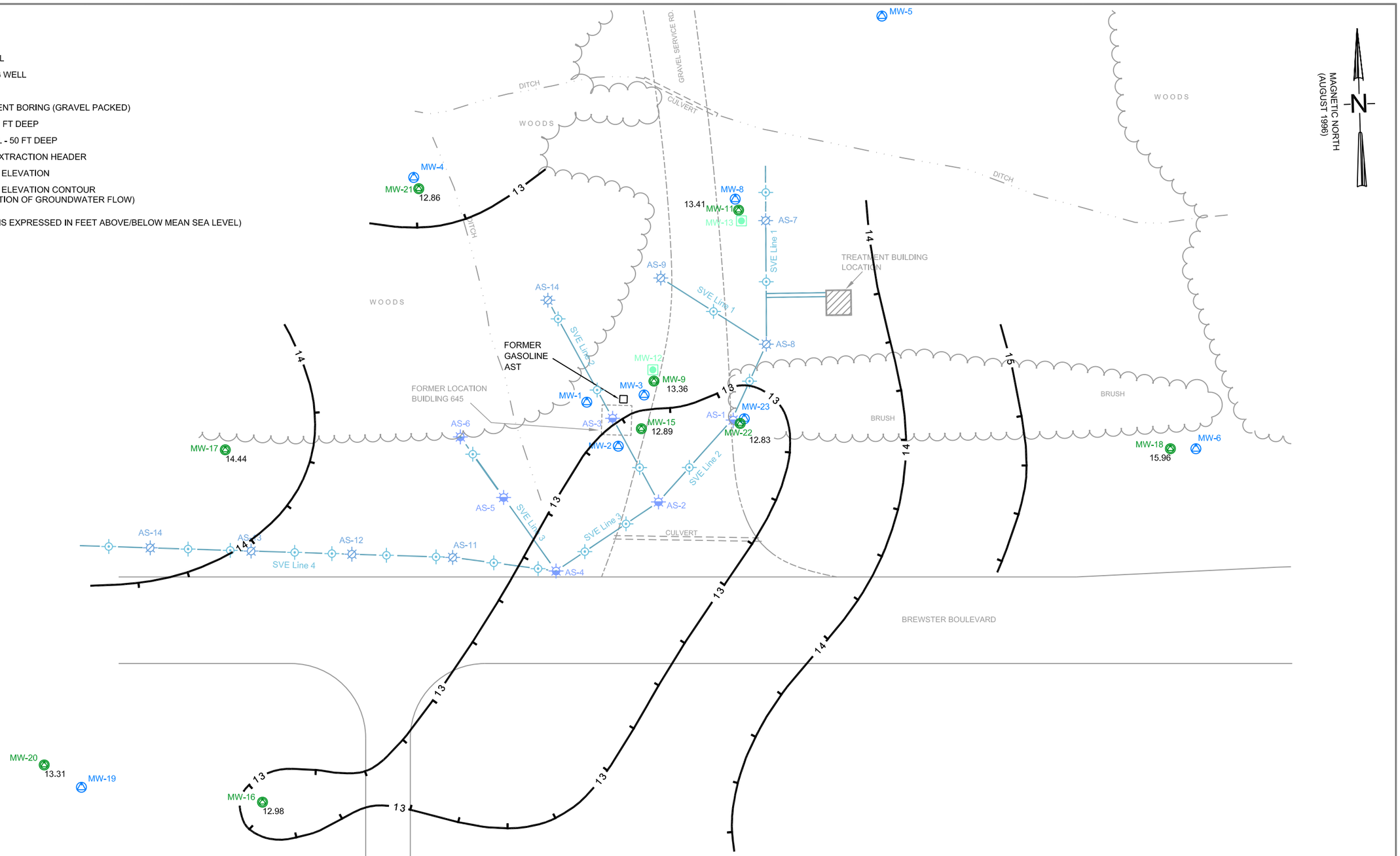
SHALOW WELL GROUNDWATER ELEVATIONS FOR 9 JUNE 2004

SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- DEEP WELL GROUNDWATER ELEVATION
- DEEP WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)



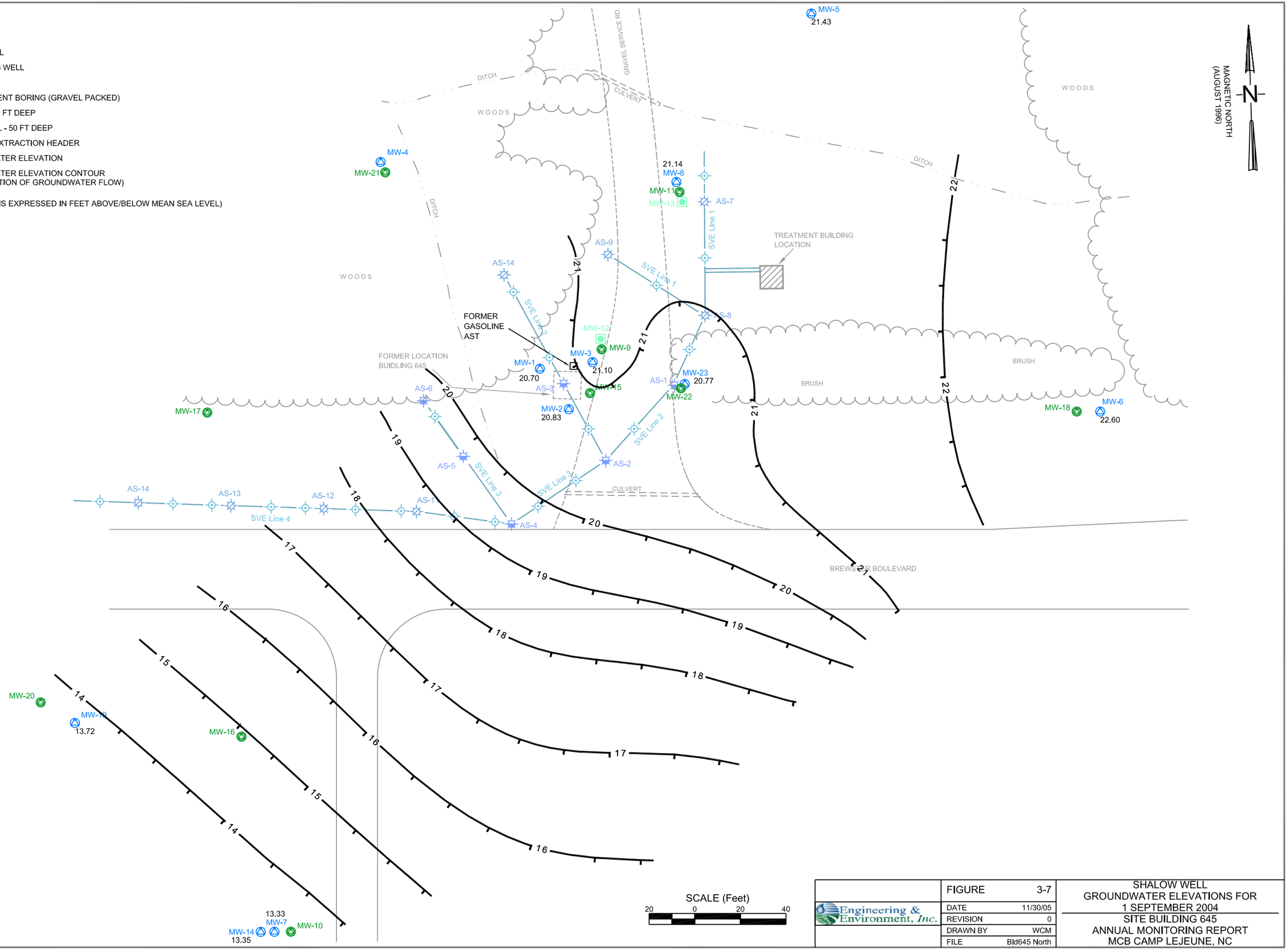
Engineering & Environment, Inc.	FIGURE	3-6
	DATE	11/30/05
	REVISION	0
	DRAWN BY	WCM
	FILE	Bld645 North

DEEP WELL GROUNDWATER ELEVATIONS FOR 9 JUNE 2004
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- SHALLOW WELL GROUNDWATER ELEVATION
- SHALLOW WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)



Engineering & Environment, Inc.

FIGURE	3-7
DATE	11/30/05
REVISION	0
DRAWN BY	WCM
FILE	Bld645 North

SHALOW WELL GROUNDWATER ELEVATIONS FOR 1 SEPTEMBER 2004
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- DEEP WELL GROUNDWATER ELEVATION
- DEEP WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)

MAGNETIC NORTH (AUGUST 1996)

MW-5
MW-4
MW-21 7.68
MW-8
14.10
MW-17
MW-3
MW-12
MW-9 13.95
MW-1
MW-23
MW-15 12.57
MW-22 13.01
MW-2
MW-18 16.22
MW-6
MW-17 12.99
MW-20 12.69
MW-19
MW-16 12.86
MW-14
MW-7
MW-10 13.39

AS-14
AS-13
AS-12
AS-11
AS-4
AS-5
AS-6
AS-2
AS-7
AS-9
AS-3
AS-1

SVE Line 1
SVE Line 2
SVE Line 3
SVE Line 4

FORMER GASOLINE AST
FORMER LOCATION BUILDING 644
TREATMENT BUILDING LOCATION

WOODS
DITCH
GRAVEL SERVICE RD.
CULVERT
BRUSH
BREWSTER BOULEVARD

SCALE (Feet)
20 0 20 40

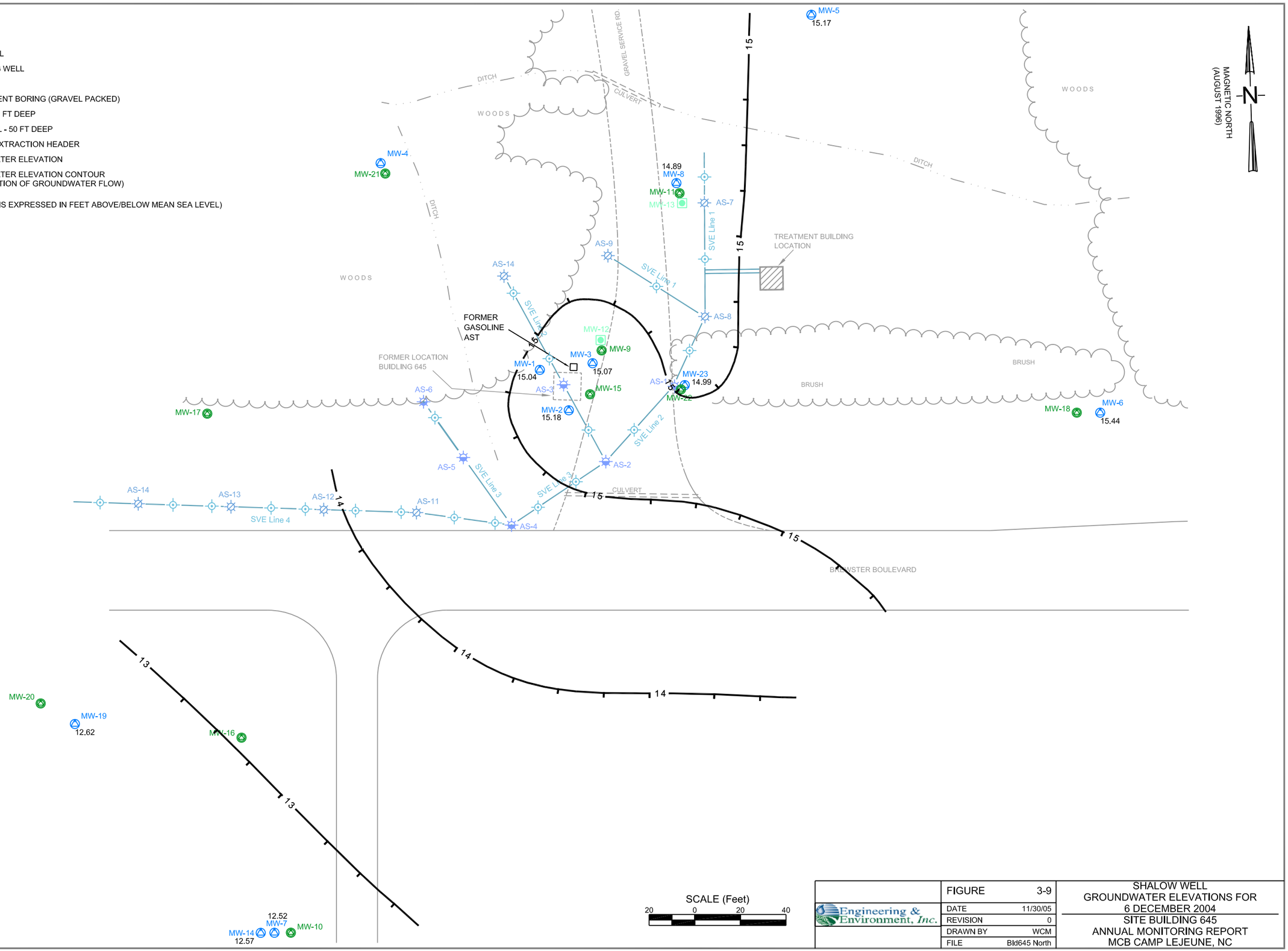
Engineering & Environment, Inc.	FIGURE	3-8
	DATE	11/30/05
	REVISION	0
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	FILE	Bld645 North

DEEP WELL
GROUNDWATER ELEVATIONS FOR
1 SEPTEMBER 2004
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- SHALLOW WELL GROUNDWATER ELEVATION
- SHALLOW WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)

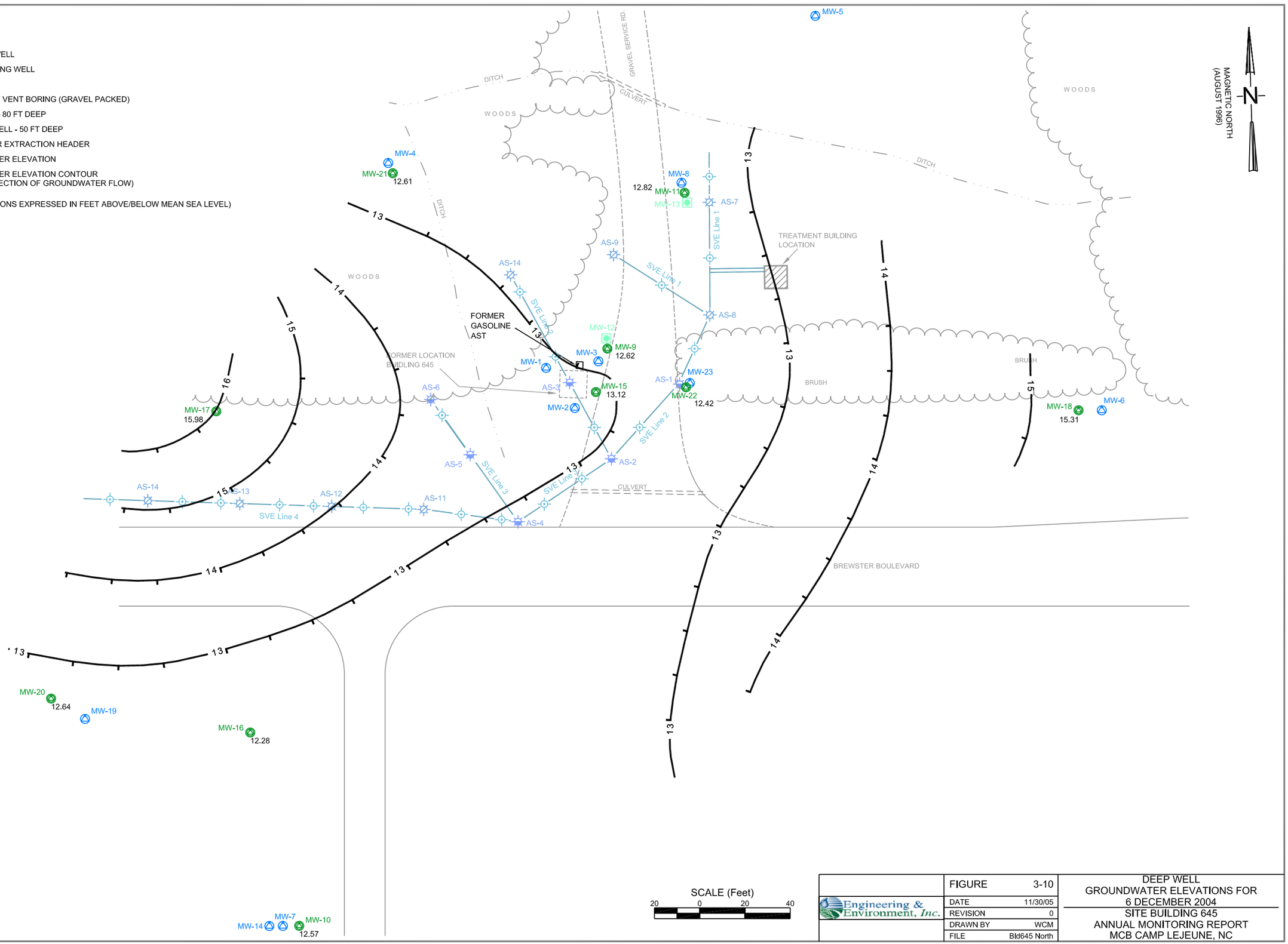


Engineering & Environment, Inc.	FIGURE 3-9	SHALOW WELL GROUNDWATER ELEVATIONS FOR 6 DECEMBER 2004
	DATE 11/30/05	SITE BUILDING 645
	REVISION 0	ANNUAL MONITORING REPORT
	DRAWN BY WCM	MCB CAMP LEJEUNE, NC
	FILE Bld645 North	

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- DEEP WELL GROUNDWATER ELEVATION
- DEEP WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)

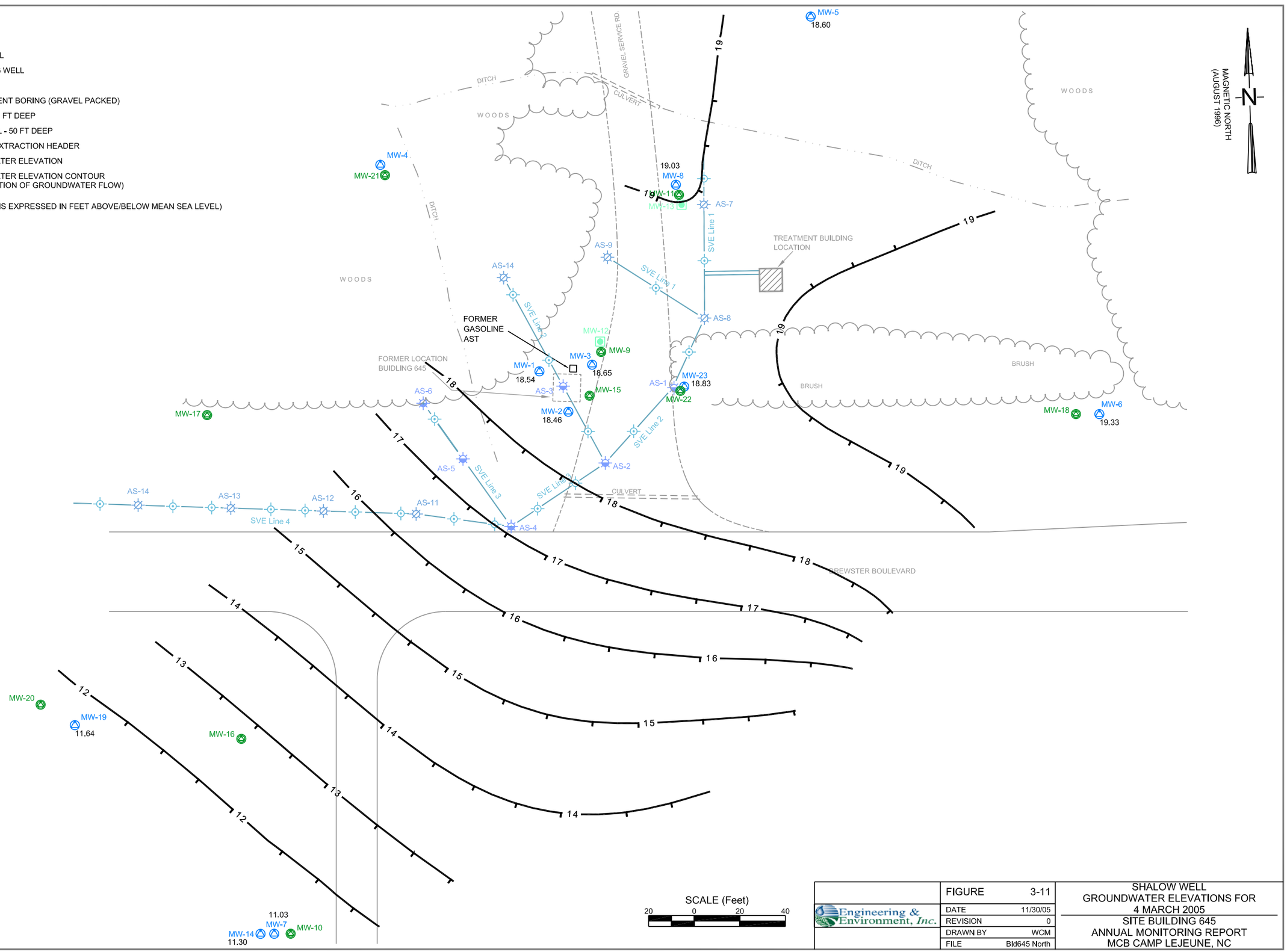


Engineering & Environment, Inc.	FIGURE 3-10	DEEP WELL GROUNDWATER ELEVATIONS FOR 6 DECEMBER 2004
	DATE 11/30/05	SITE BUILDING 645
	REVISION 0	ANNUAL MONITORING REPORT
	DRAWN BY WCM	MCB CAMP LEJEUNE, NC
	FILE Bld645 North	

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- SHALLOW WELL GROUNDWATER ELEVATION
- SHALLOW WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)



Engineering & Environment, Inc.	FIGURE 3-11	SHALOW WELL GROUNDWATER ELEVATIONS FOR 4 MARCH 2005
	DATE 11/30/05	SITE BUILDING 645
	REVISION 0	ANNUAL MONITORING REPORT
	DRAWN BY WCM	MCB CAMP LEJEUNE, NC
	FILE Bld645 North	

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- DEEP WELL GROUNDWATER ELEVATION
- DEEP WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)

MAGNETIC NORTH (AUGUST 1996)

MW-5
MW-4
MW-21 11.52
MW-18
11.97
MW-11
MW-13
AS-7
SVE Line 5
AS-9
SVE Line 1
AS-14
SVE Line 2
AS-8
TREATMENT BUILDING LOCATION
FORMER GASOLINE AST
MW-12
MW-9 11.82
MW-3
MW-1
FORMER LOCATION BUILDING 645
AS-6
AS-3
MW-15 10.82
MW-2
AS-1
MW-23
MW-22 11.21
MW-17 11.96
AS-5
SVE Line 3
AS-2
SVE Line 3
SVE Line 4
AS-14
AS-13
AS-12
AS-11
AS-4
CULVERT
MW-18 14.10
MW-6
MW-20 11.66
MW-19
MW-16 10.91
MW-14
MW-7
MW-10 11.03

WOODS
DITCH
GRAVEL SERVICE RD.
CULVERT
BRUSH
BREWSTER BOULEVARD

12 11 13 14

SCALE (Feet)
20 0 20 40

Engineering & Environment, Inc.

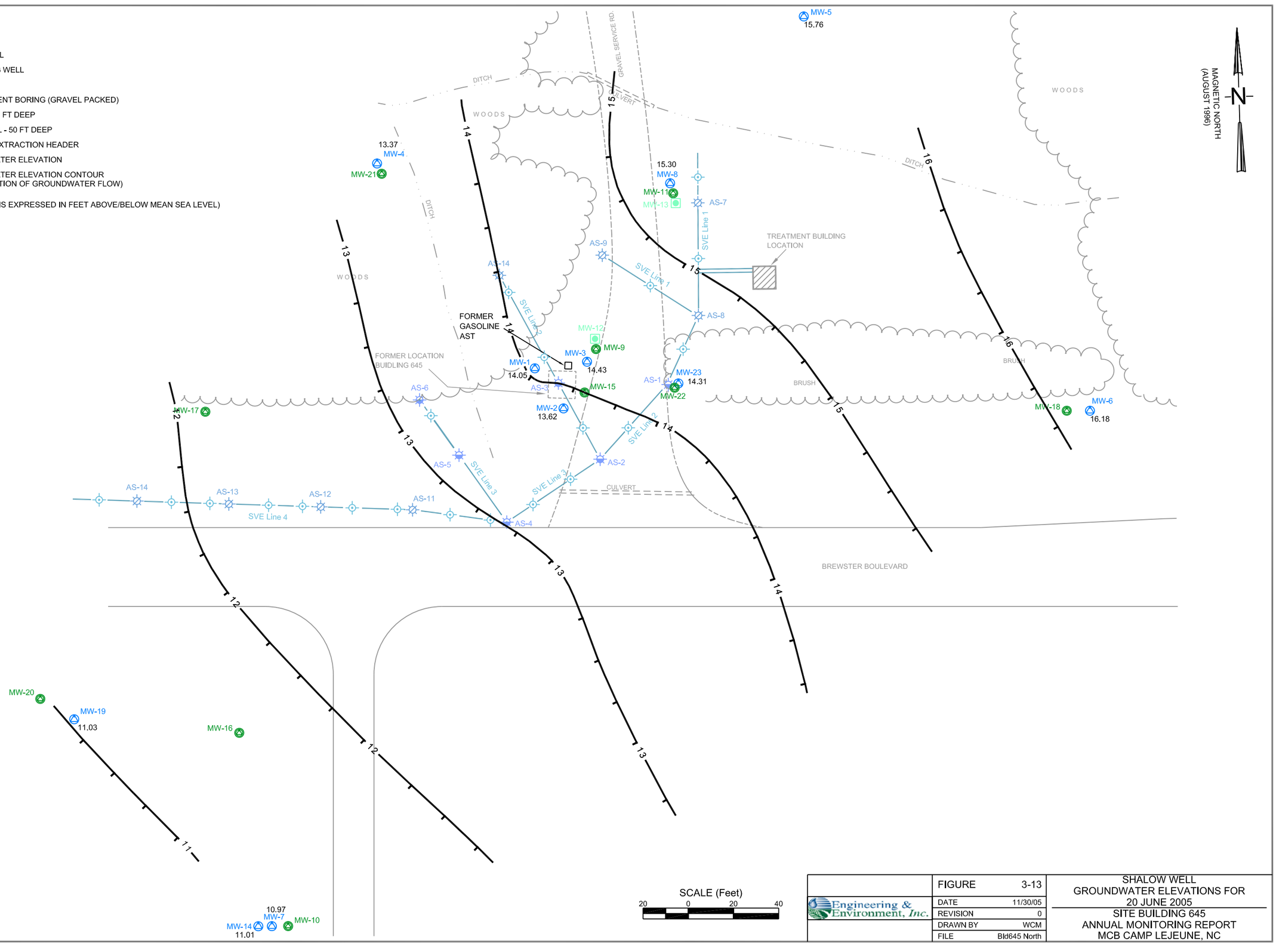
FIGURE	3-12
DATE	11/30/05
REVISION	0
DRAWN BY	WCM
FILE	Bld645 North

DEEP WELL
GROUNDWATER ELEVATIONS FOR
4 MARCH 2005
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- SHALLOW WELL GROUNDWATER ELEVATION
- SHALLOW WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)



Engineering & Environment, Inc.	FIGURE	3-13
	DATE	11/30/05
	REVISION	0
	DRAWN BY	WCM
	FILE	Bld645 North

SHALOW WELL GROUNDWATER ELEVATIONS FOR 20 JUNE 2005
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- DEEP WELL GROUNDWATER ELEVATION
- DEEP WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)

MAGNETIC NORTH (AUGUST 1996)

MW-5
MW-4
MW-21 8.45
MW-8
11.88
MW-11
MW-13
MW-12
MW-9 10.74
MW-3
MW-1
MW-15 9.42
MW-2
MW-23
MW-22 14.21
MW-18 14.36
MW-6
MW-17 9.93
MW-20 11.06
MW-19
MW-16 10.79
MW-14
MW-7
MW-10 11.02

AS-1 AS-2 AS-3 AS-4 AS-5 AS-6 AS-7 AS-8 AS-9 AS-10 AS-11 AS-12 AS-13 AS-14

SVE Line 1 SVE Line 2 SVE Line 3 SVE Line 4

WOODS BRUSH DITCH CULVERT GRAVEL SERVICE RD.

TREATMENT BUILDING LOCATION

FORMER GASOLINE AST

FORMER LOCATION BUILDING 645

BREWSTER BOULEVARD

SCALE (Feet)
20 0 20 40

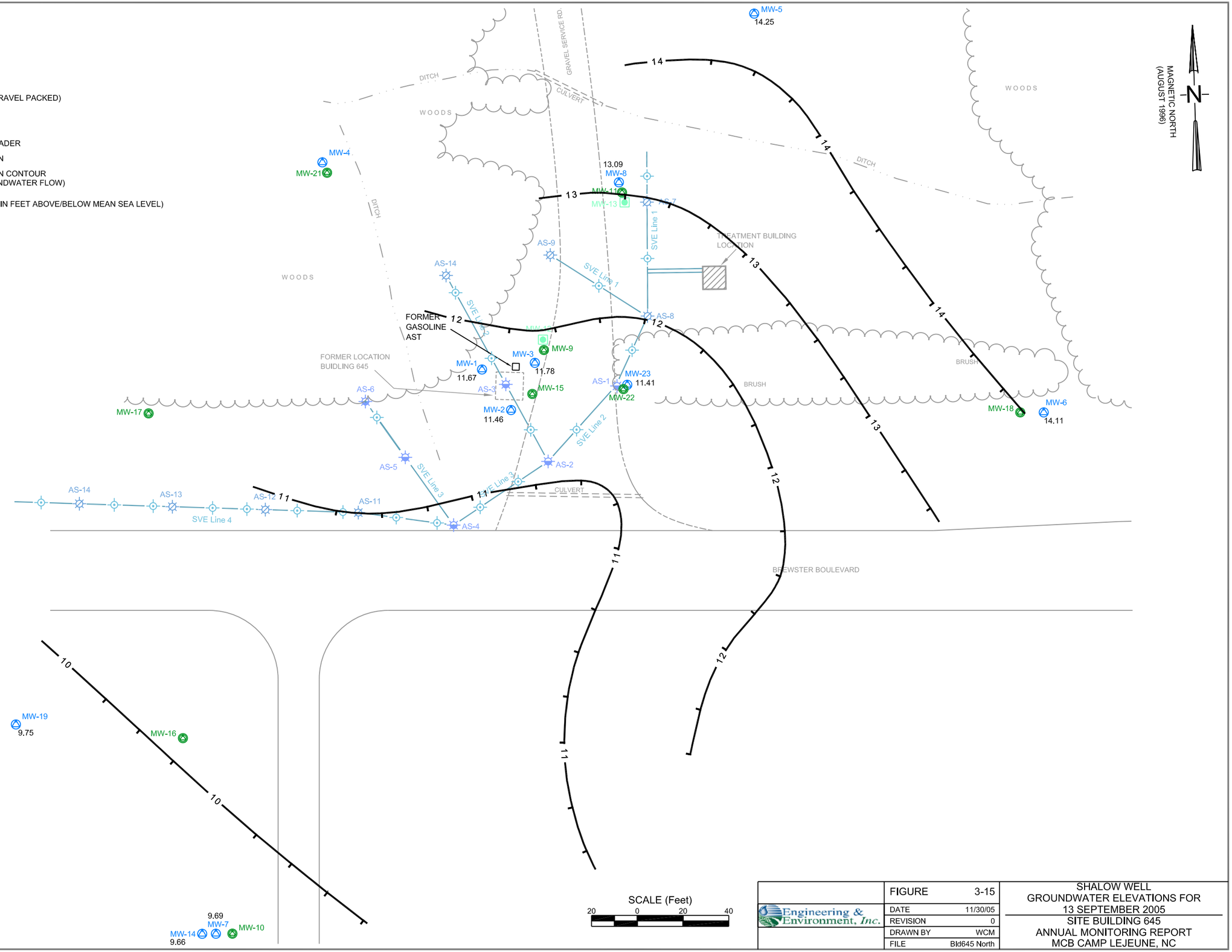
Engineering & Environment, Inc.	FIGURE	3-14
	DATE	11/30/05
	REVISION	0
	DRAWN BY	WCM
	FILE	Bld645 North

DEEP WELL GROUNDWATER ELEVATIONS FOR 20 JUNE 2005
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- SHALLOW WELL GROUNDWATER ELEVATION
- SHALLOW WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)



Engineering & Environment, Inc.	FIGURE	3-15
	DATE	11/30/05
	REVISION	0
	DRAWN BY	WCM
	FILE	Bld645 North

SHALOW WELL GROUNDWATER ELEVATIONS FOR 13 SEPTEMBER 2005
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- DEEP WELL GROUNDWATER ELEVATION
- DEEP WELL GROUNDWATER ELEVATION CONTOUR (HACHURES POINT IN DIRECTION OF GROUNDWATER FLOW)

(GROUNDWATER ELEVATIONS EXPRESSED IN FEET ABOVE/BELOW MEAN SEA LEVEL)

MAGNETIC NORTH (AUGUST 1996)

MW-5
MW-4
MW-21 9.88
MW-8 9.96
MW-11
MW-13
AS-7
AS-9
AS-14
SVE Line 1
SVE Line 2
TREATMENT BUILDING LOCATION
FORMER GASOLINE AST
MW-12
MW-9 9.65
MW-3
MW-1
FORMER LOCATION BUILDING 645
AS-6
AS-3
MW-15 9.45
MW-2
AS-1
MW-23
MW-22 9.44
AS-8
MW-17 13.20
AS-5
SVE Line 3
AS-2
SVE Line 4
AS-14
AS-13
AS-12
AS-11
AS-4
CULVERT
MW-18 12.54
MW-6
MW-20 9.82
MW-19
MW-16 9.66
MW-7
MW-14
MW-10 9.73
WOODS
DITCH
GRAVEL SERVICE RD.
CULVERT
BRUSH
BREWSTER BOULEVARD
10
11
12
13

SCALE (Feet)
20 0 20 40

Engineering & Environment, Inc.

FIGURE	3-16
DATE	11/30/05
REVISION	0
DRAWN BY	WCM
FILE	Bld645 North

DEEP WELL
GROUNDWATER ELEVATIONS FOR
13 SEPTEMBER 2005
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER

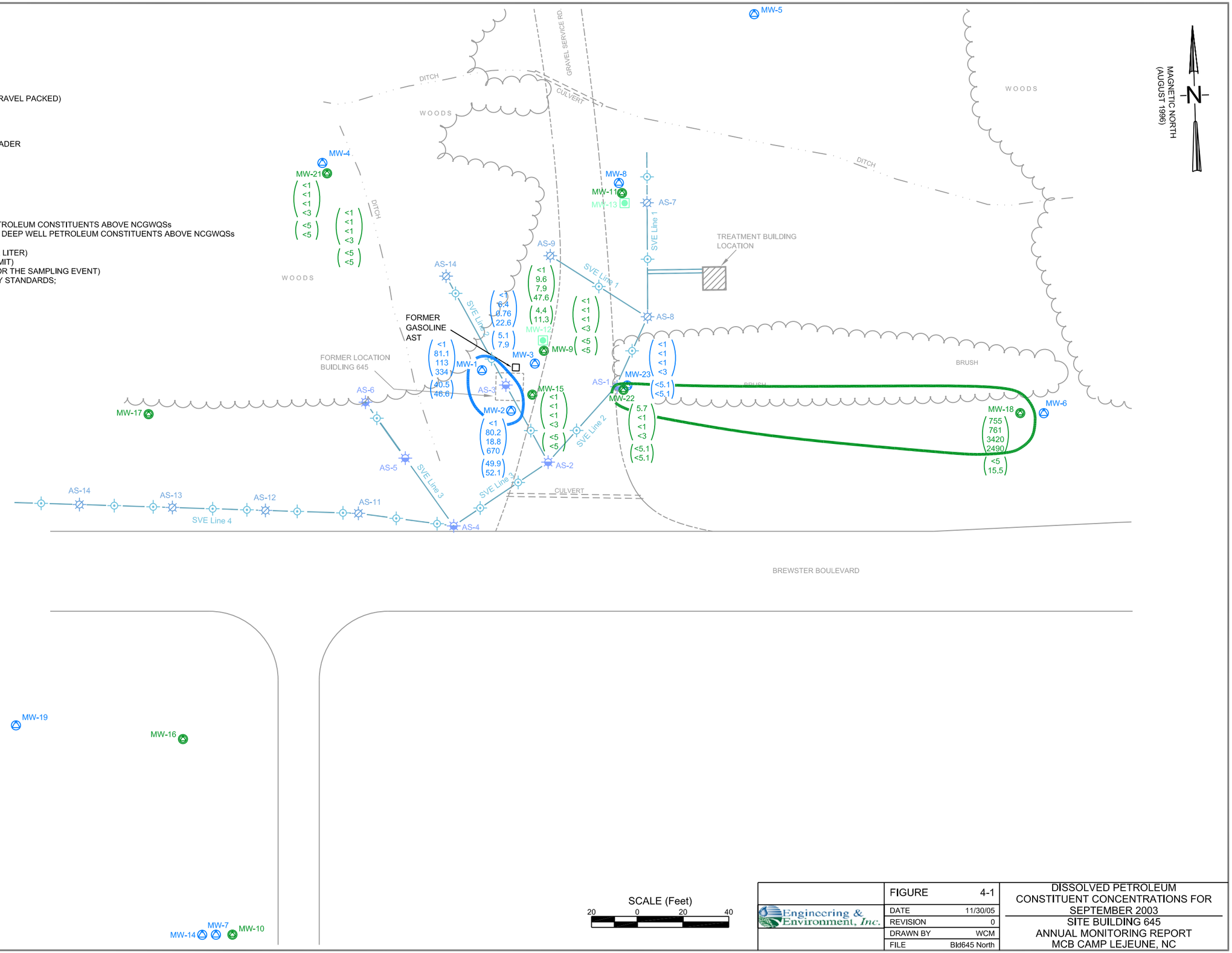
(1 / 29 / 1000 / 530) BENZENE / ETHYLBENZENE / TOLUENE / TOTAL XYLENES CONCENTRATION

(14 / 21) 2-METHYLNAPHTHALENE / NAPHTHALENE CONCENTRATION

ESTIMATED EXTENT OF SHALLOW WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

ESTIMATED EXTENT OF INTERMEDIATE AND DEEP WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

(CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER)
(<#: NOT DETECTED AT THE INDICATED REPORTING LIMIT)
(NA: NOT ANALYZED; CONSTITUENT NOT ANALYZED FOR THE SAMPLING EVENT)
(NCGWQS: NORTH CAROLINA GROUNDWATER QUALITY STANDARDS;
NCGWQS PER CONSTITUENT BRACKETED IN LEGEND)



SCALE (Feet)
20 0 20 40

Engineering & Environment, Inc.

FIGURE	4-1
DATE	11/30/05
REVISION	0
DRAWN BY	WCM
FILE	Bld645 North

DISSOLVED PETROLEUM CONSTITUENT CONCENTRATIONS FOR SEPTEMBER 2003
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

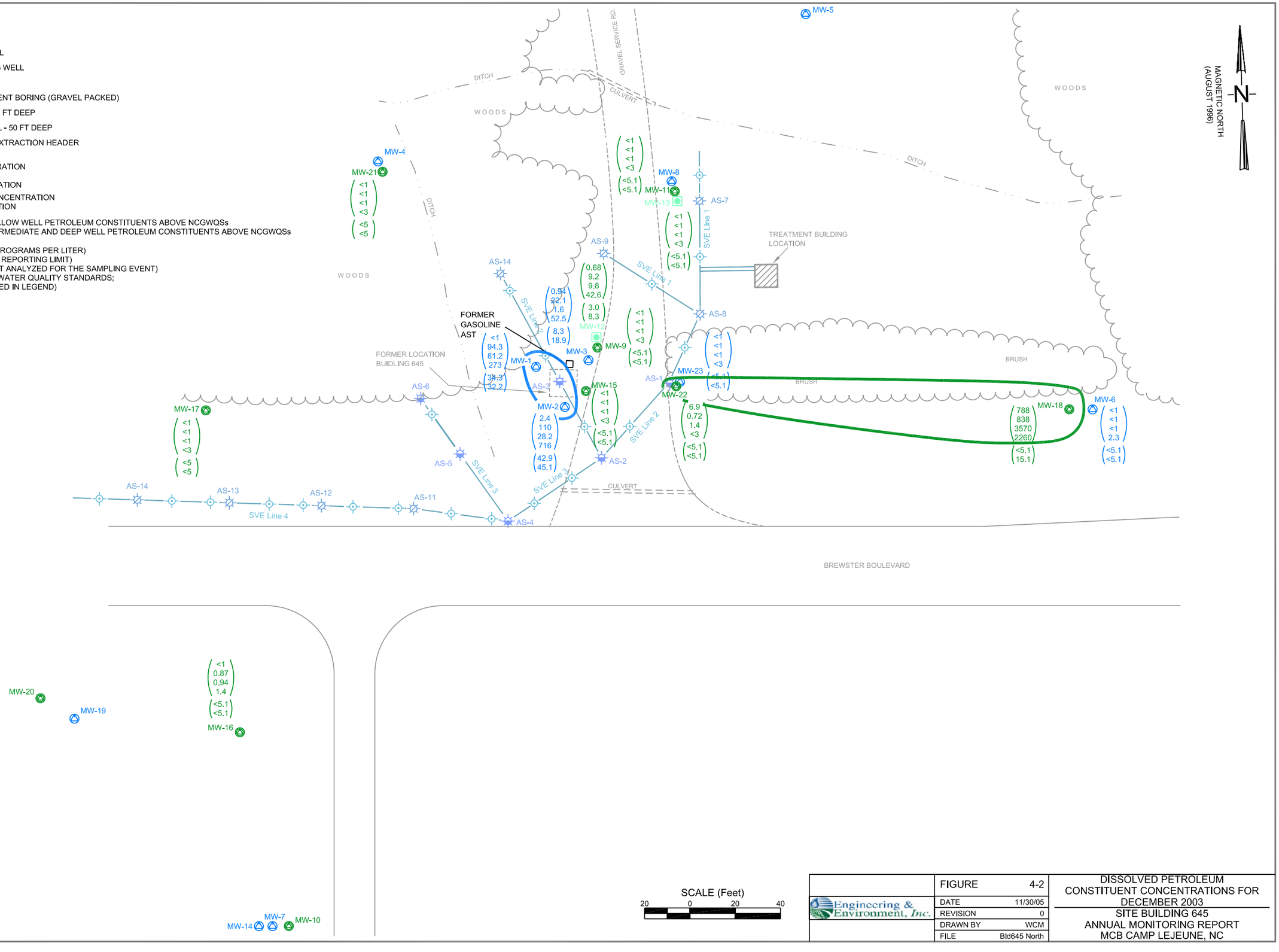
- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER

(1 / 29 / 1000 / 530) BENZENE / ETHYLBENZENE / TOLUENE / TOTAL XYLENES CONCENTRATION

(14 / 21) 2-METHYLNAPHTHALENE / NAPHTHALENE CONCENTRATION

- ESTIMATED EXTENT OF SHALLOW WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs
- ESTIMATED EXTENT OF INTERMEDIATE AND DEEP WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

(CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER)
(<#: NOT DETECTED AT THE INDICATED REPORTING LIMIT)
(NA: NOT ANALYZED; CONSTITUENT NOT ANALYZED FOR THE SAMPLING EVENT)
(NCGWQS: NORTH CAROLINA GROUNDWATER QUALITY STANDARDS;
NCGWQS PER CONSTITUENT BRACKETED IN LEGEND)



Engineering & Environment, Inc.

FIGURE	4-2
DATE	11/30/05
REVISION	0
DRAWN BY	WCM
FILE	Bld645 North

DISSOLVED PETROLEUM CONSTITUENT CONCENTRATIONS FOR DECEMBER 2003
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

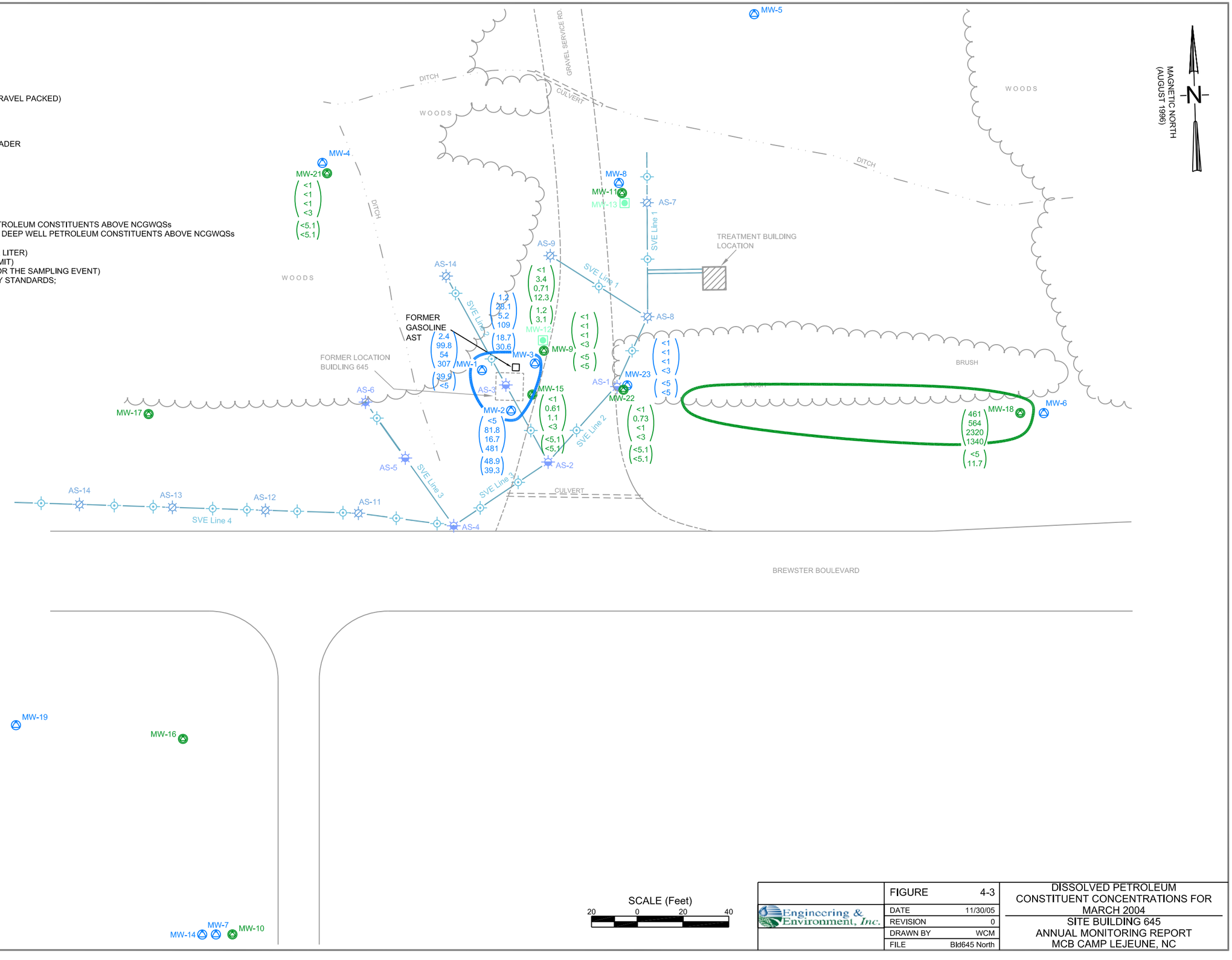
- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER

(1 / 29 / 1000 / 530) BENZENE / ETHYLBENZENE / TOLUENE / TOTAL XYLENES CONCENTRATION

(14 / 21) 2-METHYLNAPHTHALENE / NAPHTHALENE CONCENTRATION

- ESTIMATED EXTENT OF SHALLOW WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs
- ESTIMATED EXTENT OF INTERMEDIATE AND DEEP WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

(CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER)
(<#: NOT DETECTED AT THE INDICATED REPORTING LIMIT)
(NA: NOT ANALYZED; CONSTITUENT NOT ANALYZED FOR THE SAMPLING EVENT)
(NCGWQS: NORTH CAROLINA GROUNDWATER QUALITY STANDARDS;
NCGWQS PER CONSTITUENT BRACKETED IN LEGEND)



Engineering & Environment, Inc.	FIGURE 4-3	DISSOLVED PETROLEUM CONSTITUENT CONCENTRATIONS FOR MARCH 2004
	DATE 11/30/05	SITE BUILDING 645
	REVISION 0	ANNUAL MONITORING REPORT
	DRAWN BY WCM	MCB CAMP LEJEUNE, NC
	FILE Bld645 North	

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER

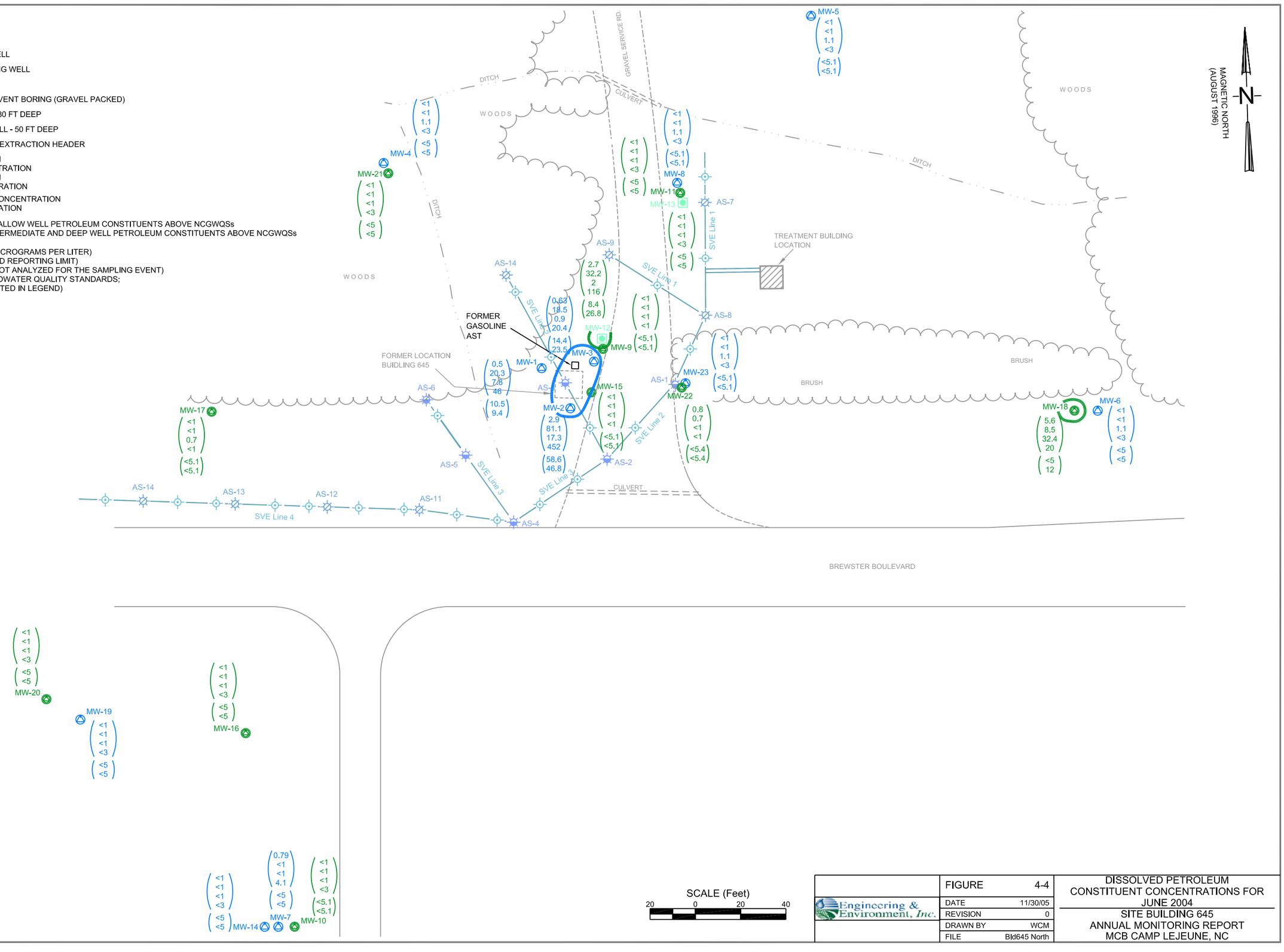
(1 / 29 / 1000 / 530) BENZENE / ETHYLBENZENE / TOLUENE / TOTAL XYLENES CONCENTRATION

(14 / 21) 2-METHYLNAPHTHALENE / NAPHTHALENE CONCENTRATION

ESTIMATED EXTENT OF SHALLOW WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

ESTIMATED EXTENT OF INTERMEDIATE AND DEEP WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

(CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER)
(<#: NOT DETECTED AT THE INDICATED REPORTING LIMIT)
(NA: NOT ANALYZED; CONSTITUENT NOT ANALYZED FOR THE SAMPLING EVENT)
(NCGWQS: NORTH CAROLINA GROUNDWATER QUALITY STANDARDS;
NCGWQS PER CONSTITUENT BRACKETED IN LEGEND)



Engineering & Environment, Inc.	FIGURE	4-4
	DATE	11/30/05
	REVISION	0
	DRAWN BY	WCM
	FILE	Bld645 North

DISSOLVED PETROLEUM CONSTITUENT CONCENTRATIONS FOR JUNE 2004
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

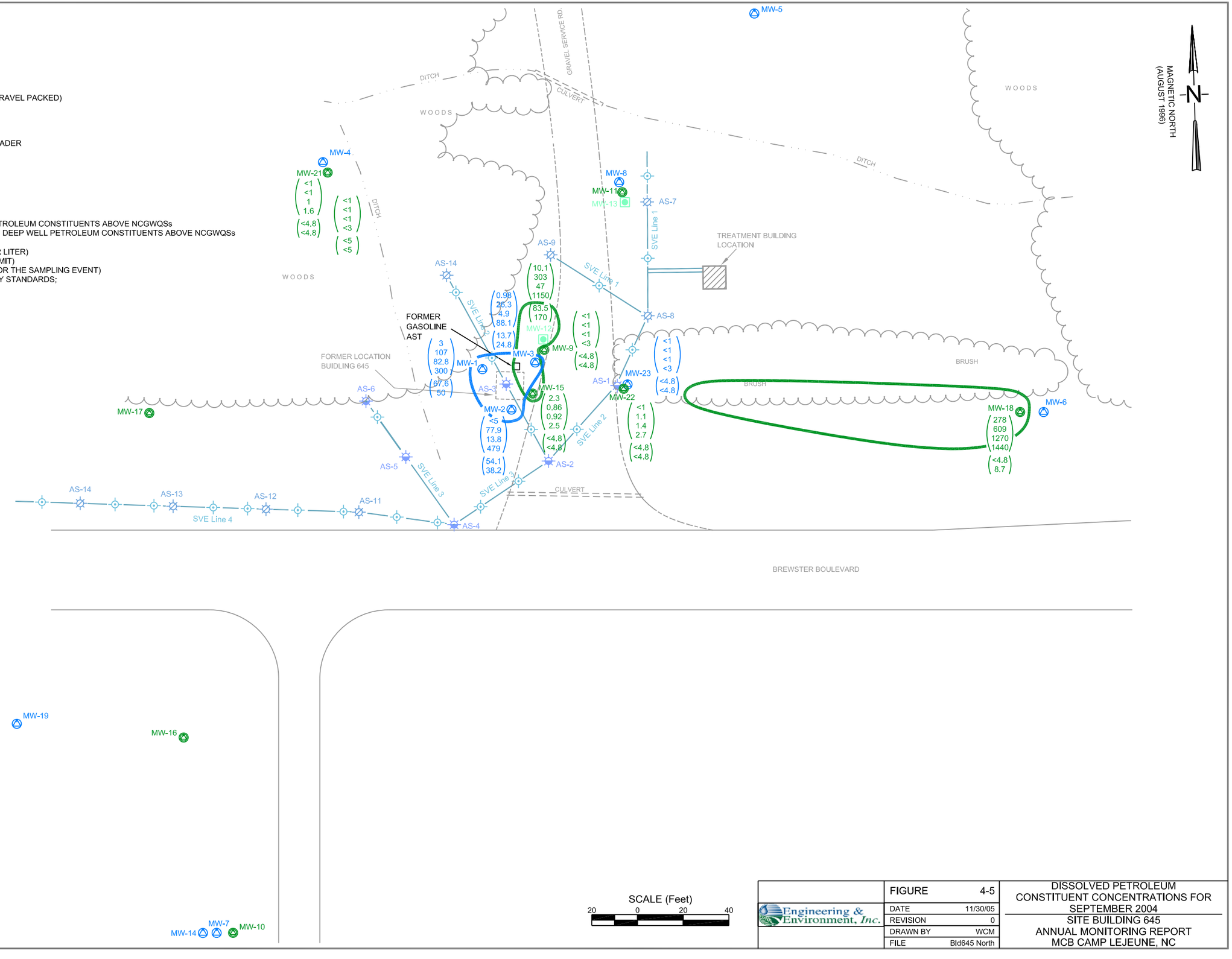
- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER

(1 / 29 / 1000 / 530) BENZENE / ETHYLBENZENE / TOLUENE / TOTAL XYLENES CONCENTRATION

(14 / 21) 2-METHYLNAPHTHALENE / NAPHTHALENE CONCENTRATION

- ESTIMATED EXTENT OF SHALLOW WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs
- ESTIMATED EXTENT OF INTERMEDIATE AND DEEP WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

(CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER)
(<#: NOT DETECTED AT THE INDICATED REPORTING LIMIT)
(NA: NOT ANALYZED; CONSTITUENT NOT ANALYZED FOR THE SAMPLING EVENT)
(NCGWQS: NORTH CAROLINA GROUNDWATER QUALITY STANDARDS;
NCGWQS PER CONSTITUENT BRACKETED IN LEGEND)



Engineering & Environment, Inc.	FIGURE	4-5
	DATE	11/30/05
	REVISION	0
	DRAWN BY	WCM
	FILE	Bld645 North

DISSOLVED PETROLEUM CONSTITUENT CONCENTRATIONS FOR SEPTEMBER 2004
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER

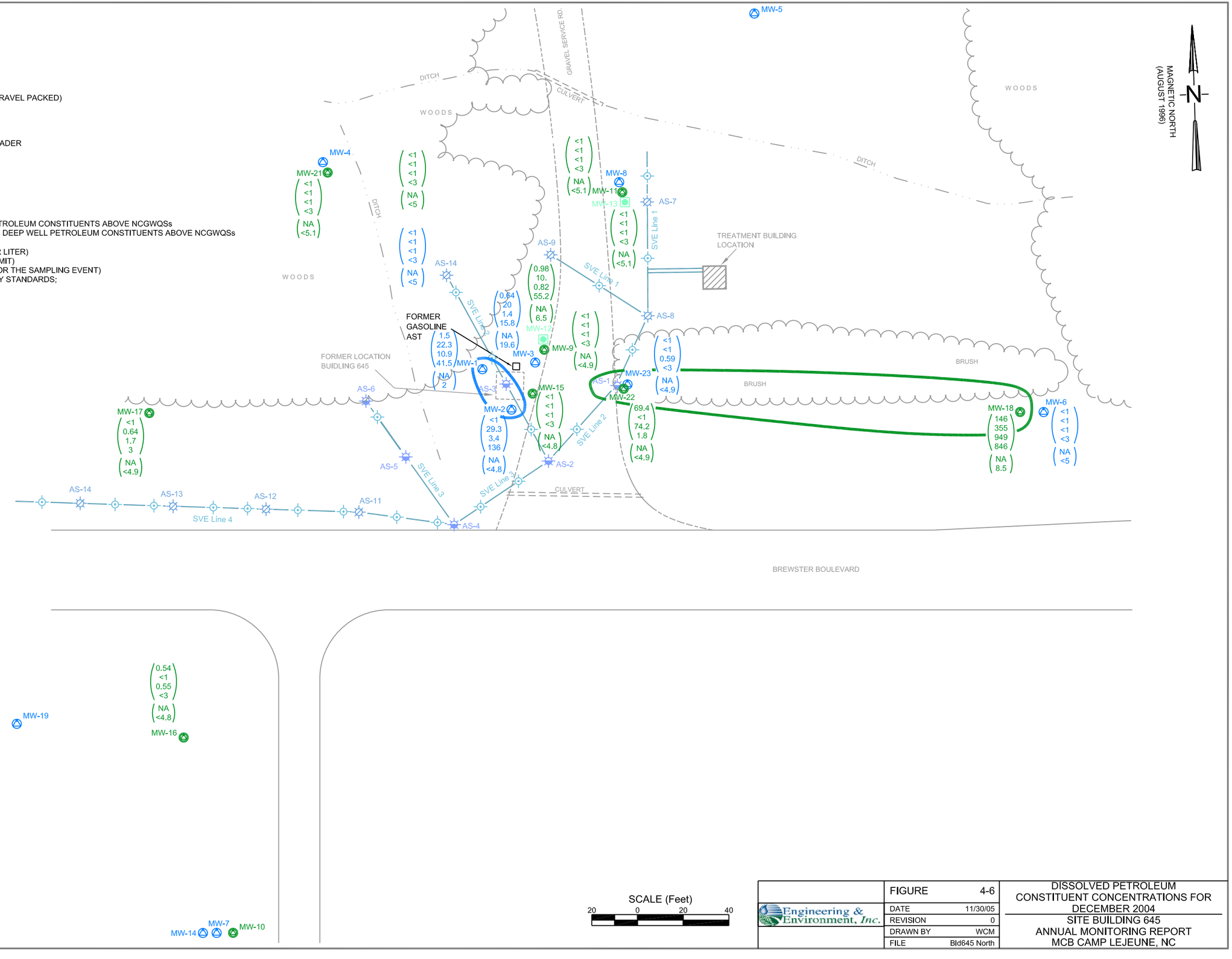
(1 / 29 / 1000 / 530) BENZENE CONCENTRATION / ETHYLYBENZENE CONCENTRATION / TOLUENE CONCENTRATION / TOTAL XYLENES CONCENTRATION

(14 / 21) 2-METHYLNAPHTHALENE CONCENTRATION / NAPHTHALENE CONCENTRATION

ESTIMATED EXTENT OF SHALLOW WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

ESTIMATED EXTENT OF INTERMEDIATE AND DEEP WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

(CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER)
(<#: NOT DETECTED AT THE INDICATED REPORTING LIMIT)
(NA: NOT ANALYZED; CONSTITUENT NOT ANALYZED FOR THE SAMPLING EVENT)
(NCGWQS: NORTH CAROLINA GROUNDWATER QUALITY STANDARDS;
NCGWQS PER CONSTITUENT BRACKETED IN LEGEND)



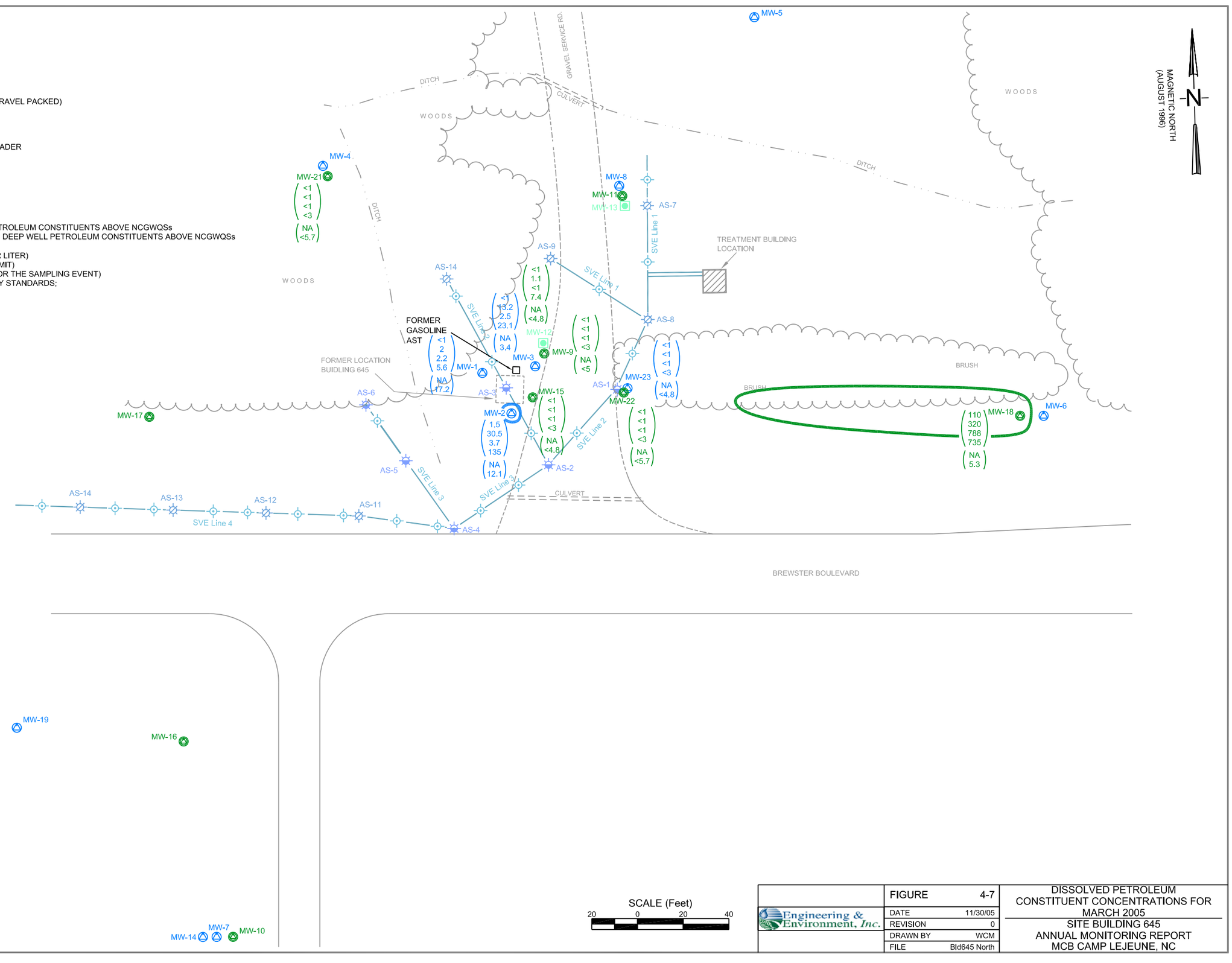
Engineering & Environment, Inc.	FIGURE	4-6
	DATE	11/30/05
	REVISION	0
	DRAWN BY	WCM
	FILE	Bld645 North

DISSOLVED PETROLEUM CONSTITUENT CONCENTRATIONS FOR DECEMBER 2004
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER
- (1 / 29 / 1000 / 530) BENZENE / ETHYLBENZENE / TOLUENE / TOTAL XYLENES CONCENTRATION
- (14 / 21) 2-METHYLNAPHTHALENE / NAPHTHALENE CONCENTRATION
- ESTIMATED EXTENT OF SHALLOW WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs
- ESTIMATED EXTENT OF INTERMEDIATE AND DEEP WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

(CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER)
(<#: NOT DETECTED AT THE INDICATED REPORTING LIMIT)
(NA: NOT ANALYZED; CONSTITUENT NOT ANALYZED FOR THE SAMPLING EVENT)
(NCGWQS: NORTH CAROLINA GROUNDWATER QUALITY STANDARDS;
NCGWQS PER CONSTITUENT BRACKETED IN LEGEND)



Engineering & Environment, Inc.	FIGURE	4-7
	DATE	11/30/05
	REVISION	0
	DRAWN BY	WCM
	FILE	Bld645 North

DISSOLVED PETROLEUM CONSTITUENT CONCENTRATIONS FOR MARCH 2005
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER

(1 / 29 / 1000 / 530) BENZENE / ETHYLBENZENE / TOLUENE / TOTAL XYLENES CONCENTRATION

(14 / 21) 2-METHYLNAPHTHALENE / NAPHTHALENE CONCENTRATION

ESTIMATED EXTENT OF SHALLOW WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

ESTIMATED EXTENT OF INTERMEDIATE AND DEEP WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

(CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER)
(<#: NOT DETECTED AT THE INDICATED REPORTING LIMIT)
(NA: NOT ANALYZED; CONSTITUENT NOT ANALYZED FOR THE SAMPLING EVENT)
(NCGWQS: NORTH CAROLINA GROUNDWATER QUALITY STANDARDS;
NCGWQS PER CONSTITUENT BRACKETED IN LEGEND)

MAGNETIC NORTH
(AUGUST 1996)

MW-1 (0.93 / 11.9 / 12.7 / 24.3 / NA 2.7)
MW-2 (<2 / 44 / 5.7 / 213 / NA 21.8)
MW-3 (0.53 / 18.6 / 0.57 / 8.7 / NA 15)
MW-4 (<1 / <1 / 8.1 / <3 / NA <5.3)
MW-5 (<1 / <1 / <1 / <3 / NA <4.9)
MW-6 (<1 / <1 / <1 / <3 / NA <4.8)
MW-7 (<1 / <1 / <1 / <3 / NA <4.8)
MW-8 (<1 / <1 / <1 / <3 / NA <4.8)
MW-9 (<1 / <1 / <1 / <3 / NA <4.8)
MW-10 (<1 / <1 / <1 / <3 / NA <4.8)
MW-11 (<1 / <1 / <1 / <3 / NA <4.9)
MW-12 (<1 / <1 / <1 / 1.5 / NA <4.8)
MW-13 (<1 / <1 / <1 / <3 / NA <5)
MW-14 (<1 / <1 / <1 / <3 / NA <4.9)
MW-15 (<1 / <1 / <1 / <3 / NA <4.9)
MW-16 (<1 / <1 / <1 / <3 / NA <4.8)
MW-17 (<1 / <1 / <1 / <3 / NA <5.1)
MW-18 (151 / 549 / 949 / 989 / NA 5.9)
MW-19 (<1 / <1 / <1 / <3 / NA <4.8)
MW-20 (<1 / <1 / <1 / <3 / NA <4.8)
MW-21 (<1 / <1 / <1 / <3 / NA <4.8)
MW-22 (<1 / <1 / 0.65 / <3 / NA <5)
MW-23 (<1 / <1 / <1 / <3 / NA <4.9)

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

SVE Line 1 SVE Line 2 SVE Line 3 SVE Line 4

FORMER GASOLINE AST

FORMER LOCATION BUILDING 645

TREATMENT BUILDING LOCATION

WOODS DITCH GRAVEL SERVICE RD. CULVERT BRUSH BREWSTER BOULEVARD

SCALE (Feet)
20 0 20 40

Engineering & Environment, Inc.	FIGURE 4-8	DISSOLVED PETROLEUM CONSTITUENT CONCENTRATIONS FOR JUNE 2005
	DATE 11/30/05	SITE BUILDING 645
	REVISION 0	ANNUAL MONITORING REPORT
	DRAWN BY WCM	MCB CAMP LEJEUNE, NC
	FILE Bld645 North	

LEGEND

- SHALLOW MONITORING WELL
- INTERMEDIATE MONITORING WELL
- DEEP MONITORING WELL
- SOIL VAPOR COLLECTION VENT BORING (GRAVEL PACKED)
- DEEP AIR SPARGE WELL - 80 FT DEEP
- SHALLOW AIR SPARGE WELL - 50 FT DEEP
- AIR SPARGE / SOIL VAPOR EXTRACTION HEADER

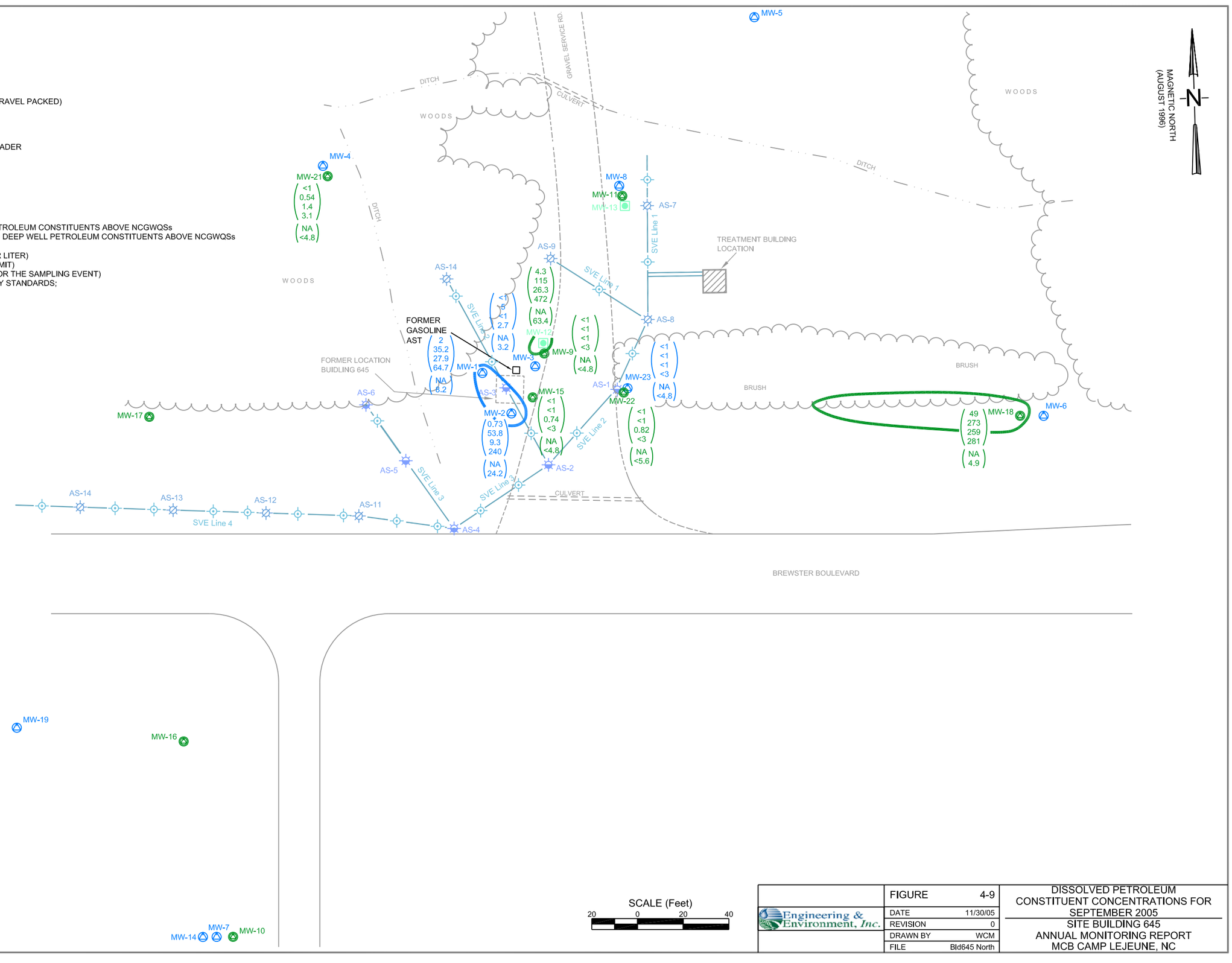
(1 / 29 / 1000 / 530) BENZENE CONCENTRATION / ETHYLYBENZENE CONCENTRATION / TOLUENE CONCENTRATION / TOTAL XYLENES CONCENTRATION

(14 / 21) 2-METHYLNAPHTHALENE CONCENTRATION / NAPHTHALENE CONCENTRATION

ESTIMATED EXTENT OF SHALLOW WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

ESTIMATED EXTENT OF INTERMEDIATE AND DEEP WELL PETROLEUM CONSTITUENTS ABOVE NCGWQSs

(CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER)
(<#: NOT DETECTED AT THE INDICATED REPORTING LIMIT)
(NA: NOT ANALYZED; CONSTITUENT NOT ANALYZED FOR THE SAMPLING EVENT)
(NCGWQS: NORTH CAROLINA GROUNDWATER QUALITY STANDARDS;
NCGWQS PER CONSTITUENT BRACKETED IN LEGEND)



SCALE (Feet)
20 0 20 40

Engineering & Environment, Inc.

FIGURE	4-9
DATE	11/30/05
REVISION	0
DRAWN BY	WCM
FILE	Bld645 North

DISSOLVED PETROLEUM CONSTITUENT CONCENTRATIONS FOR SEPTEMBER 2005
SITE BUILDING 645
ANNUAL MONITORING REPORT
MCB CAMP LEJEUNE, NC

TABLES

TABLE 3-1
Monitor Well Construction Summary
Building 645

Well Identification	Date Installed	Inner Casing Diameter (inches)	Top of Casing Elevation (feet MSL)	Total Well Depth (feet BGS)	Screened Interval (feet BGS)		Hydrogeologic Zone
MW-1	10/25/93	4	28.55	22.0	11.6	21.6	Shallow
MW-2	10/25/93	4	29.52	23.0	12.2	22.2	Shallow
MW-3	10/25/93	4	29.78	23.5	8.1	23.1	Shallow
MW-4	10/21/94	2	25.32	13.5	3.5	13.5	Shallow
MW-5	10/26/94	2	30.06	22.0	12.0	22.0	Shallow
MW-6	11/03/94	2	31.26	25.0	15.0	25.0	Shallow
MW-7	10/31/94	2	27.81	25.0	15.0	25.0	Shallow
MW-8	11/07/94	2	29.59	25.0	15.0	25.0	Shallow
MW-9	10/31/94	4	29.78	50.0	45.0	50.0	Deep
MW-10	11/02/94	2	27.86	50.0	45.0	50.0	Deep
MW-11	11/07/94	2	29.72	48.0	43.0	48.0	Deep
MW-12	11/03/94	6	29.39	38.0	18.0	38.0	Intermediate
MW-13	11/15/94	2	29.81	35.0	25.0	35.0	Intermediate
MW-14	11/15/94	2	28.10	32.5	22.5	32.5	Shallow
MW-15	03/11/96	2	27.04	80.0	75.0	80.0	Deep
MW-16	03/06/96	2	28.26	80.0	75.0	80.0	Deep
MW-17	02/29/96	2	27.27	80.0	75.0	80.0	Deep
MW-18	08/08/96	2	31.45	80.0	75.0	80.0	Deep
MW-19	>7/97,<7/98	2	28.34	34.5	24.5	34.5	Shallow
MW-20	>7/97,<7/98	2	28.34	49.1	44.1	49.1	Deep
MW-21	07/31/01	2	23.08	80.0	75.0	80.0	Deep
MW-22	08/03/01	2	28.51	80.0	75.0	80.0	Deep
MW-23	08/07/01	2	28.57	30.0	10.0	30.0	Shallow

MSL - mean sea level
BGS - below ground surface
BTOC - below top of casing

TABLE 3-2
Groundwater Elevation Data
Building 645

Location	Top of Casing Elevation[(1)]	12/8/03	1/29/04	2/9/04	3/9/04	4/13/04	5/27/04	6/9/04	7/16/04	8/5/04	9/1/04	10/12/04	11/2/04	12/6/04	1/3/05	2/1/05	3/4/05	3/18/05	3/23/05	3/25/05	3/30/05	4/1/05	4/22/05	5/2/05	6/20/05	7/8/05	8/9/05	9/13/05	10/13/05	11/5/05
MW-1	28.55	17.63	19.67	19.65	21.02	20.22	20.63	16.43	16.01	19.75	20.70	20.13	12.66	15.04	17.19	17.83	18.54	17.82	18.12	18.66	19.60	24.50	18.93	16.30	14.05	15.85	14.68	11.67	21.64	17.20
MW-2	29.52	17.69	19.68	19.69	21.22	20.21	19.51	16.37	16.25	20.02	20.83	20.10	15.19	15.18	17.26	17.80	18.46	17.76	18.14	18.49	19.47	19.42	19.00	16.44	13.62	16.01	14.73	11.46	21.72	17.38
MW-3	29.78	17.76	19.86	19.84	21.45	20.47	19.74	16.28	15.93	20.23	21.10	20.13	15.26	15.07	17.22	17.89	18.65	17.78	18.28	18.68	19.68	19.66	19.08	15.43	14.43	15.89	14.59	11.78	22.06	17.58
MW-4	25.32	11.16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	13.37	NM	NM	NM	NM	NM
MW-5	30.06	17.88	20.04	20.13	22.18	20.86	19.66	16.96	16.79	20.30	21.43	19.74	15.93	15.17	16.75	17.92	18.60	17.63	18.43	19.65	19.60	19.89	19.07	16.70	15.76	15.64	15.05	14.25	24.64	16.76
MW-6	31.26	18.70	20.94	21.03	23.04	22.04	20.84	17.46	16.65	21.74	22.60	20.42	16.08	15.44	17.46	18.57	19.33	18.23	18.97	19.31	20.70	20.95	20.01	17.34	16.18	16.15	14.92	14.11	24.91	17.47
MW-7	27.81	13.71	15.31	15.00	16.06	14.61	13.89	13.31	14.80	12.71	13.33	15.39	13.06	12.52	12.97	12.09	11.03	11.41	11.59	11.36	11.81	12.51	12.72	11.28	10.97	11.38	11.02	9.69	19.61	14.12
MW-8	29.59	17.83	20.04	20.10	21.80	20.99	19.13	16.70	13.12	20.19	21.14	17.17	15.30	14.89	16.95	18.16	19.03	19.06	18.84	20.25	20.14	20.32	18.73	15.98	15.30	15.29	15.13	13.09	23.24	16.95
MW-9	29.78	13.87	15.18	14.86	16.13	14.79	14.66	13.36	14.97	12.91	13.95	15.88	13.55	12.62	12.94	12.89	11.82	12.10	12.07	11.80	11.88	11.06	13.23	11.79	10.74	11.55	11.15	9.65	14.53	13.06
MW-10	27.86	13.66	15.36	15.06	16.11	14.66	14.06	13.34	11.20	12.76	13.39	15.41	13.13	12.57	12.96	12.84	11.03	11.38	11.58	11.32	11.45	11.46	12.79	11.43	11.02	11.39	11.04	9.73	14.12	13.35
MW-11	29.72	13.17	15.23	14.85	16.29	15.03	15.08	13.41	14.39	12.98	14.10	15.86	13.62	12.82	13.04	13.00	11.97	12.17	12.21	11.93	12.06	11.71	13.34	12.01	11.88	11.72	11.33	9.96	14.86	13.10
MW-12	29.39	14.92	16.70	16.45	20.33	16.27	16.33	14.07	12.67	13.99	13.69	17.07	13.90	12.99	13.78	14.03	13.80	13.67	14.18	14.49	14.96	14.69	15.29	12.92	12.43	12.19	11.68	10.07	17.39	13.77
MW-13	29.81	13.34	15.58	15.24	16.50	15.28	15.33	13.63	13.74	13.42	14.58	16.20	13.66	12.97	13.25	13.30	12.48	12.79	12.68	12.48	12.68	12.35	13.79	12.28	12.33	11.99	11.58	10.07	15.31	13.40
MW-14	28.10	13.78	15.30	15.04	16.08	14.65	14.79	13.18	13.11	12.75	13.35	15.38	13.10	12.57	12.92	12.80	11.30	11.35	12.54	11.30	11.45	11.43	12.77	11.40	11.01	11.40	11.05	9.66	14.17	14.28
MW-15	27.04	13.42	14.45	13.96	15.11	14.02	14.01	12.89	12.73	11.89	12.57	NM	13.84	13.12	12.35	12.43	10.82	NM	NM	NM	NM	NM	NM	NM	9.42	NM	NM	9.45	NM	NM
MW-16	28.26	13.58	14.98	14.69	15.74	14.56	14.74	12.98	12.95	12.32	12.86	14.85	13.03	12.28	12.68	12.47	10.91	11.20	11.19	10.86	10.93	10.66	12.27	11.16	10.79	10.94	10.84	9.66	13.35	12.81
MW-17	27.27	13.53	15.64	14.56	15.47	18.38	18.28	14.44	14.80	13.12	12.99	20.95	13.59	15.98	16.06	14.17	11.96	NM	NM	NM	NM	NM	NM	NM	9.93	NM	NM	13.20	NM	NM
MW-18	31.45	16.39	17.63	17.20	18.52	17.45	17.24	15.96	15.73	15.25	16.22	17.97	16.14	15.31	15.36	15.42	14.10	14.32	14.44	14.06	14.21	14.07	15.81	14.41	14.36	14.20	13.85	12.54	16.49	15.51
MW-19	28.34	13.54	15.54	15.23	16.36	14.90	15.03	13.30	13.04	13.00	13.72	15.54	13.11	12.62	13.00	12.88	11.64	11.65	11.67	11.56	11.74	11.76	12.96	11.52	11.03	11.62	11.11	9.75	15.02	13.22
MW-20	28.34	13.40	15.10	15.23	16.32	14.86	14.90	13.31	13.02	12.97	12.69	15.54	13.14	12.64	13.03	12.92	11.66	11.61	11.68	11.58	11.75	11.76	12.95	11.57	11.06	11.49	11.04	9.82	14.94	18.39
MW-21	23.08	13.30	15.08	14.63	15.98	14.95	14.41	12.86	12.75	12.65	7.68	16.17	13.92	12.61	12.79	12.68	11.52	12.69	11.97	12.21	NC	9.87	12.95	11.66	8.45	11.22	11.14	9.88	NM	NM
MW-22	28.51	13.71	14.88	14.44	15.59	14.58	14.50	12.83	12.80	12.36	13.01	15.61	13.90	12.42	12.64	12.61	11.21	NM	NM	NM	NM	NM	NM	NM	14.21	NM	NM	9.44	NM	NM
MW-23	28.57	17.58	19.65	19.79	21.26	21.17	20.75	16.24	16.17	19.78	20.77	20.10	15.29	14.99	16.96	17.67	18.83	NM	18.19	18.60	20.19	19.50	18.95	16.28	14.31	15.77	14.34	11.41	23.60	18.46

(1) Top of casing elevation expressed in feet MSL; data from Jones, 2002.
MSL - above mean sea level
BTOC - below top of casing
NM: Not measured (MW-4 not specified for routine gauging; wells MW-15, MW-17, & MW-22 became pressurized after sparge air flow rate increased in March 2005 & were measured only during sampling events when spare air flow was reduced; all other non-measurements associated with miscellaneous access problems, such as standing surface water in the vicinity of the well)

TABLE 3-3
Horizontal Hydraulic Gradients and Average Linear Velocities
Building 645

Zone	Shallow					Deep				
Well Pair	MW-23 to MW-19					MW-18 to MW-22				
Horizontal Distance (feet)	306					174				
Date Measured	Groundwater Elevation (feet MSL) MW-23	MW-19	Flow Direction	Horizontal Gradient i	Linear Velocity (feet/day)	Groundwater Elevation (feet MSL) MW-18	MW-22	Flow Direction	Horizontal Gradient i	Linear Velocity (feet/day)
12/8/2003	17.58	13.54	WSW	0.013	1.544	16.39	13.71	W	0.015	InD
1/29/2004	19.65	15.54	WSW	0.013	1.570	17.63	14.88	W	0.016	InD
2/9/2004	19.79	15.23	WSW	0.015	1.742	17.20	14.44	W	0.016	InD
3/9/2004	21.26	16.36	WSW	0.016	1.872	18.52	15.59	W	0.017	InD
4/13/2004	21.17	14.90	WSW	0.020	2.396	17.45	14.58	W	0.016	InD
5/27/2004	20.75	15.03	WSW	0.019	2.186	17.24	14.50	W	0.016	InD
6/9/2004	16.24	13.30	WSW	0.010	1.123	15.96	12.83	W	0.018	InD
7/16/2004	16.17	13.04	WSW	0.010	1.196	15.73	12.80	W	0.017	InD
8/5/2004	19.78	13.00	WSW	0.022	2.591	15.25	12.36	W	0.017	InD
9/1/2004	20.77	13.72	WSW	0.023	2.694	16.22	13.01	W	0.018	InD
10/12/2004	20.10	15.54	WSW	0.015	1.742	17.97	15.61	W	0.014	InD
11/2/2004	15.29	13.11	WSW	0.007	0.833	16.14	13.90	W	0.013	InD
12/6/2004	14.99	12.62	WSW	0.008	0.906	15.31	12.42	W	0.017	InD
1/3/2005	16.96	13.00	WSW	0.013	1.513	15.36	12.64	W	0.016	InD
2/1/2005	17.67	12.88	WSW	0.016	1.830	15.42	12.61	W	0.016	InD
3/4/2005	18.83	11.64	WSW	0.023	2.747	14.10	11.21	W	0.017	InD
3/18/2005	NM	11.65				14.32	NM			
3/23/2005	18.19	11.67	WSW	0.021	2.491	14.44	NM			
3/25/2005	18.60	11.56	WSW	0.023	2.690	14.06	NM			
3/30/2005	20.19	11.74	WSW	0.028	3.229	14.21	NM			
4/1/2005	19.50	11.76	WSW	0.025	2.957	14.07	NM			
4/22/2005	18.95	12.96	WSW	0.020	2.289	15.81	NM			
5/2/2005	16.28	11.52	WSW	0.016	1.819	14.41	NM			
6/20/2005	14.31	11.03	WSW	0.011	1.253	14.36	14.21	W	0.001	InD
7/8/2005	15.77	11.62	WSW	0.014	1.586	14.20	NM			
8/9/2005	14.34	11.11	WSW	0.011	1.234	13.85	NM			
9/13/2005	11.41	9.75	WSW	0.005	0.634	12.54	9.44	W	0.018	InD
10/13/2005	23.60	15.02	WSW	0.028	3.278	16.49	NM			
11/5/2005	18.46	13.22	WSW	0.017	2.002	15.51	NM			
Pair Average				0.016	1.93				0.015	InD

Average linear velocity = K_H i / n_e; assumes homogeneous isotropic porous aquifer

Horizontal hydraulic conductivity, shallow zone (K_H) 29.23 feet/day

n_e: effective porosity, shallow zone (n_e) = 0.25 (dimensionless)

InD: Insufficient data to calculate velocity - deep zone K and n_e not available

NM: Not measured

MSL - mean sea level

TABLE 3-4
Vertical Hydraulic Gradients
Building 645

Well Pair	MW-3	to	MW-12	MW-3	to	MW-9	MW-12	to	MW-9	MW-8	to	MW-13	MW-8	to	MW-11	MW-13	to	MW-11	MW-6	to	MW-18	MW-19	to	MW-20	MW-7	to	MW-10
Zone	Shallow	|	Intermediate	Shallow	|	Deep	Intermediate	|	Deep	Shallow	|	Intermediate	Shallow	|	Deep	Intermediate	|	Deep	Shallow	|	Deep	Shallow	|	Deep	Shallow	|	Deep
Midpoint Distance	13.0			32.1			19.1			9.8			25.4			15.6			54.3			17.1			27.4		
Date Measured	Groundwater Elevation (feet MSL) MW-3		Vertical Gradient MW-3 : MW-12	Groundwater Elevation (feet MSL) MW-3		Vertical Gradient MW-3 : MW-9	Groundwater Elevation (feet MSL) MW-12		Vertical Gradient MW-12 : MW-9	Groundwater Elevation (feet MSL) MW-8		Vertical Gradient MW-8 : MW-13	Groundwater Elevation (feet MSL) MW-8		Vertical Gradient MW-8 : MW-11	Groundwater Elevation (feet MSL) MW-13		Vertical Gradient MW-13 : MW-11	Groundwater Elevation (feet MSL) MW-6		Vertical Gradient MW-6 : MW-18	Groundwater Elevation (feet MSL) MW-19		Vertical Gradient MW-19 : MW-20	Groundwater Elevation (feet MSL) MW-7		Vertical Gradient MW-7 : MW-10
12/8/2003	17.76	14.92	0.22	17.76	13.87	0.12	14.92	13.87	0.05	17.83	13.34	0.46	17.83	13.17	0.18	13.34	13.17	0.01	18.70	16.39	0.04	13.54	13.40	0.01	13.71	13.66	0.00
1/29/2004	19.86	16.70	0.24	19.86	15.18	0.15	16.70	15.18	0.08	20.04	15.58	0.46	20.04	15.23	0.19	15.58	15.23	0.02	20.94	17.63	0.06	15.54	15.10	0.03	15.31	15.36	0.00
2/9/2004	19.84	16.45	0.26	19.84	14.86	0.15	16.45	14.86	0.08	20.10	15.24	0.50	20.10	14.85	0.21	15.24	14.85	0.02	21.03	17.20	0.07	15.23	15.23	0.00	15.00	15.06	0.00
3/9/2004	21.45	20.33	0.09	21.45	16.13	0.17	20.33	16.13	0.22	21.80	16.50	0.54	21.80	16.29	0.22	16.50	16.29	0.01	23.04	18.52	0.08	16.36	16.32	0.00	16.06	16.11	0.00
4/13/2004	20.47	16.27	0.32	20.47	14.79	0.18	16.27	14.79	0.08	20.99	15.28	0.58	20.99	15.03	0.23	15.28	15.03	0.02	22.04	17.45	0.08	14.90	14.86	0.00	14.61	14.66	0.00
5/27/2004	19.74	16.33	0.26	19.74	14.66	0.16	16.33	14.66	0.09	19.13	15.33	0.39	19.13	15.08	0.16	15.33	15.08	0.02	20.84	17.24	0.07	15.03	14.90	0.01	13.89	14.06	-0.01
6/9/2004	16.28	14.07	0.17	16.28	13.36	0.09	14.07	13.36	0.04	16.70	13.63	0.31	16.70	13.41	0.13	13.63	13.41	0.01	17.46	15.96	0.03	13.30	13.31	0.00	13.31	13.34	0.00
7/16/2004	15.93	12.67	0.25	15.93	14.97	0.03	12.67	14.97	-0.12	13.12	13.74	-0.06	13.12	14.39	-0.05	13.74	14.39	-0.04	16.65	15.73	0.02	13.04	13.02	0.00	14.80	11.20	0.13
8/5/2004	20.23	13.99	0.48	20.23	12.91	0.23	13.99	12.91	0.06	20.19	13.42	0.69	20.19	12.98	0.28	13.42	12.98	0.03	21.74	15.25	0.12	13.00	12.97	0.00	12.71	12.76	0.00
9/1/2004	21.10	13.69	0.57	21.10	13.95	0.22	13.69	13.95	-0.01	21.14	14.58	0.67	21.14	14.10	0.28	14.58	14.10	0.03	22.60	16.22	0.12	13.72	12.69	0.06	13.33	13.39	0.00
10/12/2004	20.13	17.07	0.23	20.13	15.88	0.13	17.07	15.88	0.06	17.17	16.20	0.10	17.17	15.86	0.05	16.20	15.86	0.02	20.42	17.97	0.05	15.54	15.54	0.00	15.39	15.41	0.00
11/2/2004	15.26	13.90	0.10	15.26	13.55	0.05	13.90	13.55	0.02	15.30	13.66	0.17	15.30	13.62	0.07	13.66	13.62	0.00	16.08	16.14	0.00	13.11	13.14	0.00	13.06	13.13	0.00
12/6/2004	15.07	12.99	0.16	15.07	12.62	0.08	12.99	12.62	0.02	14.89	12.97	0.20	14.89	12.82	0.08	12.97	12.82	0.01	15.44	15.31	0.00	12.62	12.64	0.00	12.52	12.57	0.00
1/3/2005	17.22	13.78	0.26	17.22	12.94	0.13	13.78	12.94	0.04	16.95	13.25	0.38	16.95	13.04	0.15	13.25	13.04	0.01	17.46	15.36	0.04	13.00	13.03	0.00	12.97	12.96	0.00
2/1/2005	17.89	14.03	0.30	17.89	12.89	0.16	14.03	12.89	0.06	18.16	13.30	0.50	18.16	13.00	0.20	13.30	13.00	0.02	18.57	15.42	0.06	12.88	12.92	0.00	12.09	12.84	-0.03
3/4/2005	18.65	13.80	0.37	18.65	11.82	0.21	13.80	11.82	0.10	19.03	12.48	0.67	19.03	11.97	0.28	12.48	11.97	0.03	19.33	14.10	0.10	11.64	11.66	0.00	11.03	11.03	0.00
3/18/2005	17.78	13.67	0.32	17.78	12.10	0.18	13.67	12.10	0.08	19.06	12.79	0.64	19.06	12.17	0.27	12.79	12.17	0.04	18.23	14.32	0.07	11.65	11.61	0.00	11.41	11.38	0.00
3/23/2005	18.28	14.18	0.31	18.28	12.07	0.19	14.18	12.07	0.11	18.84	12.68	0.63	18.84	12.21	0.26	12.68	12.21	0.03	18.97	14.44	0.08	11.67	11.68	0.00	11.59	11.58	0.00
3/25/2005	18.68	14.49	0.32	18.68	11.80	0.21	14.49	11.80	0.14	20.25	12.48	0.79	20.25	11.93	0.33	12.48	11.93	0.04	19.31	14.06	0.10	11.56	11.58	0.00	11.36	11.32	0.00
3/30/2005	19.68	14.96	0.36	19.68	11.88	0.24	14.96	11.88	0.16	20.14	12.68	0.76	20.14	12.06	0.32	12.68	12.06	0.04	20.70	14.21	0.12	11.74	11.75	0.00	11.81	11.45	0.01
4/1/2005	19.66	14.69	0.38	19.66	11.06	0.27	14.69	11.06	0.19	20.32	12.35	0.81	20.32	11.71	0.34	12.35	11.71	0.04	20.95	14.07	0.13	11.76	11.76	0.00	12.51	11.46	0.04
4/22/2005	19.08	15.29	0.29	19.08	13.23	0.18	15.29	13.23	0.11	18.73	13.79	0.50	18.73	13.34	0.21	13.79	13.34	0.03	20.01	15.81	0.08	12.96	12.95	0.00	12.72	12.79	0.00
5/2/2005	15.43	12.92	0.19	15.43	11.79	0.11	12.92	11.79	0.06	15.98	12.28	0.38	15.98	12.01	0.16	12.28	12.01	0.02	17.34	14.41	0.05	11.52	11.57	0.00	11.28	11.43	-0.01
6/20/2005	14.43	12.43	0.15	14.43	10.74	0.11	12.43	10.74	0.09	15.30	12.33	0.30	15.30	11.88	0.13	12.33	11.88	0.03	16.18	14.36	0.03	11.03	11.06	0.00	10.97	11.02	0.00
7/8/2005	15.89	12.19	0.28	15.89	11.55	0.14	12.19	11.55	0.03	15.29	11.99	0.34	15.29	11.72	0.14	11.99	11.72	0.02	16.15	14.20	0.04	11.62	11.49	0.01	11.38	11.39	0.00
8/9/2005	14.59	11.68	0.22	14.59	11.15	0.11	11.68	11.15	0.03	15.13	11.58	0.36	15.13	11.33	0.15	11.58	11.33	0.02	14.92	13.85	0.02	11.11	11.04	0.00	11.02	11.04	0.00
9/13/2005	11.78	10.07	0.13	11.78	9.65	0.07	10.07	9.65	0.02	13.09	10.07	0.31	13.09	9.96	0.12	10.07	9.96	0.01	14.11	12.54	0.03	9.75	9.82	0.00	9.69	9.73	0.00
10/13/2005	22.06	17.39	0.36	22.06	14.53	0.23	17.39	14.53	0.15	23.24	15.31	0.81	23.24	14.86	0.33	15.31	14.86	0.03	24.91	16.49	0.16	15.02	14.94	0.00	19.61	14.12	0.20
11/5/2005	17.58	13.77	0.29	17.58	13.06	0.14	13.77	13.06	0.04	16.95	13.40	0.36	16.95	13.10	0.15	13.40	13.10	0.02	17.47	15.51	0.04	13.22	18.39	-0.30	14.12	13.35	0.03
Pair Average			0.27			0.15			0.07			0.47			0.19			0.02			0.06			-0.01			0.01

MSL - mean sea level

Table 4-1 (Page 1 of 9)

Summary of Laboratory Analyses for Groundwater - Building 645

September 2003

Sample Location	NCGWQS	MW-1	MW-2	MW-3	MW-9	MW-12	MW-15
Date Sampled		09/26/03	09/26/03	09/26/03	09/26/03	09/26/03	09/29/03
EPA 602 (ug/L)							
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	81.1	80.2	6.4	<1.0	9.6	<1.0
Toluene	1000	113	18.8	0.76 J	<1.0	7.9	<1.0
Xylenes (total)	530	334	670	22.6	<3.0	47.6	<3.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<10	<1.0	<1.0	<1.0	<1.0	63.9
Total BTEX		528.1	769	29.76	ND	65.1	ND
EPA 610 (ug/L)							
2,4-Dimethylphenol	140	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	RL	28.1	29.2	3.7 J	<5.1	3.7 J	<5.0
2-Methylnaphthalene	14	40.5	49.9	5.1	<5.1	4.4 J	<5.0
Naphthalene	21	46.6	52.1	7.9	<5.1	11.3	<5.0
TICs (Total)		NA	NA	NA	NA	NA	NA

Sample Location	NCGWQS	MW-18	MW-21	MW-22	MW-23	MW-23D
Date Sampled		09/29/03	09/29/03	09/29/03	09/26/03	09/26/03
EPA 602 (ug/L)						
Benzene	1	755	<1.0	5.7	<1.0	<1.0
Ethylbenzene	29	761	<1.0	<1.0	<1.0	<1.0
Toluene	1000	3420	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	2490	<3.0	<3.0	<3.0	<3.0
1,2-Dichlorobenzene	620	<50	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<50	<1.0	42.9	<1.0	<1.0
Total BTEX		7426	ND	5.7	ND	ND
EPA 610 (ug/L)						
2,4-Dimethylphenol	140	NA	NA	NA	NA	NA
1-Methylnaphthalene	RL	<5.0	<5.1	<5.1	<5.3	<5.1
2-Methylnaphthalene	14	<5.0	<5.1	<5.1	<5.3	<5.1
Naphthalene	21	15.5	<5.1	<5.1	<5.3	<5.1
TICs (Total)		NA	NA	NA	NA	NA

MW-23D is a duplicate sample collected at well MW-23

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

NA: Not analyzed; analyte quantititaition not requested for the sampling event

TICs: Tentatively Identified Compounds

Table 4-1 (Page 2 of 9)

Summary of Laboratory Analyses for Groundwater - Building 645

December 2003

Sample Location	NCGWQS	MW-1	MW-2	MW-3	MW-6	MW-9	MW-11	MW-12	MW-12D
Date Sampled		12/08/03	12/08/03	12/09/03	12/10/03	12/09/03	12/10/03	12/09/03	12/09/03
EPA 602 (ug/L)									
Benzene	1	<1.0	2.4	0.94 J	<1.0	<1.0	<1.0	0.68 J	0.65 J
Ethylbenzene	29	94.3	110	22.1	<1.0	<1.0	<1.0	9.2	9.0
Toluene	1000	81.2	28.2	1.6	<1.0	<1.0	<1.0	9.8	9.7
Xylenes (total)	530	273	716	52.5	2.3 J	<3.0	<3.0	42.6	41.9
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	7.2	11.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX		448.5	856.6	77.14	2.3	ND	ND	62.28	61.25
EPA 625 (ug/L)									
2,4-Dimethylphenol	140	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	RL	23.4	30.0	7.4	<5.1	<5.1	<5.1	2.0 J	2.1 J
2-Methylnaphthalene	14	34.3	42.9	8.3	<5.1	<5.1	<5.1	2.6 J	3.0 J
Naphthalene	21	32.2	45.1	18.9	<5.1	<5.1	<5.1	7.9	8.3
TICs (Total)		NA	NA	NA	NA	NA	NA	NA	NA
Sample Location	NCGWQS	MW-13	MW-15	MW-16	MW-17	MW-18	MW-21	MW-22	MW-23
Date Sampled		12/10/03	12/08/03	12/10/03	12/11/03	12/10/03	12/12/03	12/09/03	12/09/03
EPA 602 (ug/L)									
Benzene	1	<1.0	<1.0	<1.0	<1.0	788	<1.0	6.9	<1.0
Ethylbenzene	29	<1.0	<1.0	0.87 J	<1.0	838	<1.0	0.72 J	<1.0
Toluene	1000	<1.0	<1.0	0.94 J	<1.0	3570	<1.0	1.4	<1.0
Xylenes (total)	530	<3.0	<3.0	1.4 J	<3.0	2260	<3.0	<3.0	<3.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<1.0	49.8	<1.0	<1.0	<50	<1.0	35.7	<1.0
Total BTEX		ND	ND	3.21	ND	7456	ND	9.02	ND
EPA 625 (ug/L)									
2,4-Dimethylphenol	140	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	RL	<5.1	<5.1	<5.1	<5.0	<5.1	<5.0	<5.1	<5.1
2-Methylnaphthalene	14	<5.1	<5.1	<5.1	<5.0	<5.1	<5.0	<5.1	<5.1
Naphthalene	21	<5.1	<5.1	<5.1	<5.0	15.1	<5.0	<5.1	<5.1
TICs (Total)		NA	NA	NA	NA	NA	NA	NA	NA

MW-12D is a duplicate sample collected at well MW-12

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

NA: Not analyzed; analyte quantititaition not requested for the sampling event

TICs: Tentatively Identified Compounds

Table 4-1 (Page 3 of 9)

Summary of Laboratory Analyses for Groundwater - Building 645

March 2004

Sample Location	NCGWQS	MW-1	MW-2	MW-3	MW-9	MW-12	DUP
Date Sampled		03/10/04	03/10/04	03/10/04	03/10/04	03/10/04	03/10/04
EPA 602 (ug/L)							
Benzene	1	2.4	<5.0	1.2	<1.0	<1.0	<1.0
Ethylbenzene	29	99.8	81.8	28.1	<1.0	3.4	2.9
Toluene	1000	54.0	16.7	5.2	<1.0	0.71 J	0.61 J
Xylenes (total)	530	307	481	109	<3.0	12.3	10.3
1,2-Dichlorobenzene	620	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	99.8	<20	<1.0	<1.0	<1.0	<1.0
Total BTEX		463.2	579.5	143.5	ND	16.41	13.81
EPA 625 (ug/L)							
2,4-Dimethylphenol	140	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	RL	30.7	32.0	16.4	<5.0	<5.3	<5.1
2-Methylnaphthalene	14	39.9	48.9	18.7	<5.0	1.2 J	<5.1
Naphthalene	21	41.8	39.3	30.6	<5.0	3.1 J	2.8 J
TICs (Total)		NA	NA	NA	NA	NA	NA
Sample Location	NCGWQS	MW-15	MW-18	MW-21	MW-22	MW-23	
Date Sampled		03/10/04	03/11/04	03/10/04	03/11/04	03/11/04	
EPA 602 (ug/L)							
Benzene	1	<1.0	461	<1.0	<1.0	<1.0	
Ethylbenzene	29	0.61 J	564	<1.0	0.73 J	<1.0	
Toluene	1000	1.1	2320	<1.0	<1.0	<1.0	
Xylenes (total)	530	<3.0	1340	<3.0	<3.0	<3.0	
1,2-Dichlorobenzene	620	<1.0	<50	<1.0	<1.0	<1.0	
Methyl Tert Butyl Ether	200	57.5	<50	<1.0	24.2	<1.0	
Total BTEX		1.71	4685	ND	0.73	ND	
EPA 625 (ug/L)							
2,4-Dimethylphenol	140	NA	NA	NA	NA	NA	
1-Methylnaphthalene	RL	<5.1	<5.0	<5.1	<5.1	<5.0	
2-Methylnaphthalene	14	<5.1	<5.0	<5.1	<5.1	<5.0	
Naphthalene	21	<5.1	11.7	<5.1	<5.1	<5.0	
TICs (Total)		NA	NA	NA	NA	NA	

DUP is a duplicate sample collected at well MW-12

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

NA: Not analyzed; analyte quantititaition not requested for the sampling event

TICs: Tentatively Identified Compounds

Table 4-1 (Page 4 of 9)

Summary of Laboratory Analyses for Groundwater - Building 645

June 2004

Sample Location	NCGWQS	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
Date Sampled		06/10/04	06/10/04	06/10/04	06/14/04	06/14/04	06/14/04	06/14/04	06/11/04	06/10/04	06/14/04	06/11/04	06/10/04
EPA 602 (ug/L)													
Benzene	1	0.50 J	2.90 J	0.63 J	<1.0	<1.0	<1.0	0.79 J	<1.0	<1.0	<1.0	<1.0	2.70
Ethylbenzene	29	20.3	81.1	18.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	32.2
Toluene	1000	7.8	17.3	0.9 J	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8
Xylenes (total)	530	46.0	452.0	20.4	<3.0	<3.0	<3.0	4.1	<3.0	<3.0	<3.0	<3.0	116
1,2-Dichlorobenzene	620	<5.0	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<5.0	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.4	<1.0	<1.0
Total BTEX		74.6	553.3	40.43	1.1	ND	ND	4.89	ND	ND	ND	ND	152.7
EPA 625 (ug/L)													
2,4-Dimethylphenol	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	RL	10	38	11	<5.0	<5.1	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	7.0
2-Methylnaphthalene	14	10.5	58.6	14.4	<5.0	<5.1	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	7.5
Naphthalene	21	9.4	46.8	23.5	<5.0	<5.1	<5.0	<5.0	<5.1	<5.1	<5.1	<5.0	24.0
TICs (Total)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Location	NCGWQS	DUP	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23
Date Sampled		06/11/04	06/11/04	06/14/04	06/09/04	06/14/04	06/14/04	06/14/04	06/14/04	06/14/04	06/09/04	06/11/04	06/11/04
EPA 602 (ug/L)													
Benzene	1	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.6	<1.0	<1.0	<1.0	0.8 J	<1.0
Ethylbenzene	29	29.7	<1.0	<1.0	<1.0	<1.0	<1.0	8.5	<1.0	<1.0	<1.0	0.7 J	<1.0
Toluene	1000	2.0	<1.0	<1.0	<1.0	<1.0	0.7 J	32.4	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	106	<3.0	<3.0	<3.0	<3.0	<3.0	20.0	<3.0	<3.0	<3.0	<3.0	<3.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	<1.0	50.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	24.4	<1.0
Total BTEX		138.7	ND	ND	ND	ND	0.72	66.5	ND	ND	ND	1.51	ND
EPA 625 (ug/L)													
2,4-Dimethylphenol	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	RL	7.7	<5.0	<5.0	<5.1	<5.0	<5.1	<5.0	<5.0	<5.0	<5.0	<5.4	<5.1
2-Methylnaphthalene	14	8.4	<5.0	<5.0	<5.1	<5.0	<5.1	<5.0	<5.0	<5.0	<5.0	<5.4	<5.1
Naphthalene	21	26.8	<5.0	<5.0	<5.1	<5.0	<5.1	12	<5.0	<5.0	<5.0	<5.4	<5.1
TICs (Total)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

DUP is a duplicate sample collected at well MW-12

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

NA: Not analyzed; analyte quantititaition not requested for the sampling event

TICs: Tentatively Identified Compounds

Table 4-1 (Page 5 of 9)

Summary of Laboratory Analyses for Groundwater - Building 645

September 2004

Sample Location	NCGWQS	MW-1	MW-2	MW-3	MW-9	MW-12	MW-15
Date Sampled		09/14/04	09/14/04	09/15/04	09/15/04	09/15/04	09/14/04
EPA 602 (ug/L)							
Benzene	1	3.0	<5.0	0.98 J	<1.0	10.1	2.3
Ethylbenzene	29	107	77.9	26.3	<1.0	303	0.86 J
Toluene	1000	82.8	13.8	4.9	<1.0	47.0	0.92 J
Xylenes (total)	530	300	479	88.1	<3.0	1150	2.5 J
1,2-Dichlorobenzene	620	<200	<100	<1.0	<1.0	<150	1.5
Methyl Tert Butyl Ether	200	<10	52	<1.0	<1.0	<10	52.1
Total BTEX		492.8	570.7	120.28	ND	1510.1	6.58
EPA 625 (ug/L)							
2,4-Dimethylphenol	140	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	RL	45.7	34.0	10.8	<4.8	52.3	<4.8
2-Methylnaphthalene	14	67.6	54.1	13.7	<4.8	83.5	<4.8
Naphthalene	21	50.0	38.2	24.8	<4.8	170	<4.8
TICs (Total)		NA	NA	NA	NA	NA	NA

Sample Location	NCGWQS	MW-18	MW-21	DUP	MW-22	MW-23
Date Sampled		09/15/04	09/14/04	09/14/04	09/15/04	09/15/04
EPA 602 (ug/L)						
Benzene	1	278	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	609	<1.0	<1.0	1.1	<1.0
Toluene	1000	1270	0.96 J	1.0	1.4	<1.0
Xylenes (total)	530	1440	1.5 J	1.6 J	2.7 J	<3.0
1,2-Dichlorobenzene	620	<50	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<50	<1.0	<1.0	25.3	<1.0
Total BTEX		3597	2.46	2.6	5.2	ND
EPA 625 (ug/L)						
2,4-Dimethylphenol	140	NA	NA	NA	NA	NA
1-Methylnaphthalene	RL	<4.8	<4.8	<4.9	<4.8	<4.8
2-Methylnaphthalene	14	<4.8	<4.8	<4.9	<4.8	<4.8
Naphthalene	21	8.7	<4.8	<4.9	<4.8	<4.8
TICs (Total)		NA	NA	NA	NA	NA

DUP is a duplicate sample collected at well MW-21

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

NA: Not analyzed; analyte quantititaition not requested for the sampling event

TICs: Tentatively Identified Compounds

Table 4-1 (Page 6 of 9)

Summary of Laboratory Analyses for Groundwater - Building 645

December 2004

Sample Location	NCGWQS	MW-1	MW-2	MW-3	MW-6	MW-9	MW-11	MW-12	DUP
Date Sampled		12/07/04	12/07/04	12/07/04	12/08/04	12/07/04	12/07/04	12/07/04	12/07/04
EPA 602 (ug/L)									
Benzene	1	1.5	<3.0	0.64 J	<1.0	<1.0	<1.0	0.87 J	0.98 J
Ethylbenzene	29	22.3	29.3	20.0	<1.0	<1.0	<1.0	8.0	10.0
Toluene	1000	10.9	3.4	1.4	<1.0	<1.0	<1.0	0.66 J	0.82 J
Xylenes (total)	530	41.5	136	15.8	<3.0	<3.0	<3.0	46.8	55.2
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	11.5	<1.0	0.71 J	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX		76.2	168.7	37.84	ND	ND	ND	56.33	67
EPA 625 (ug/L)									
2,4-Dimethylphenol	140	7.6	<4.8	<4.8	<4.8	<4.9	<5.1	<4.9	2.1 J
1-Methylnaphthalene	RL	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	14	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	21	2.0 J	<4.8	19.6	<4.8	<4.9	<5.1	1.9 J	6.5
TICs (Total)		548 J	650.2 J	497.9 J	None	None	11 J	335.4 J	363.1 J
Sample Location	NCGWQS	MW-13	MW-15	MW-16	MW-17	MW-18	MW-21	MW-22 [1]	MW-23
Date Sampled		12/07/04	12/07/04	12/08/04	12/08/04	12/08/04	12/07/04	12/08/04	12/08/04
EPA 602 (ug/L)									
Benzene	1	<1.0	<1.0	0.54 J	<1.0	146	<1.0	69.4	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	0.64 J	355	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	0.55 J	1.7	949	<1.0	74.2	0.59 J
Xylenes (total)	530	<3.0	<3.0	<3.0	3.0	846	<3.0	1.8 J	<3.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<1.0	28.9	<1.0	<1.0	39.1	<1.0	34.8	<1.0
Total BTEX		ND	ND	1.09	5.34	2296	ND	145.4	0.59
EPA 625 (ug/L)									
2,4-Dimethylphenol	140	<5.1	<4.8	<4.8	<4.9	<4.8	<5.1	<4.9	<4.9
1-Methylnaphthalene	RL	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	14	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	21	<5.1	<4.8	<4.8	<4.9	8.5	<5.1	<4.9	<4.9
TICs (Total)		None	75.8 J	5.8 J	None	936.6 J	None	95.6 J	None

[1] Di-n-octyl phthalatel was reported at an estimated concentration of 2.9 ug/L in the sample from well MW-22 (NCGWQS of 140 ug/L)

DUP is a duplicate sample collected at well MW-12

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

NA: Not analyzed; analyte quantititaition not requested for the sampling event

TICs: Tentatively Identified Compounds

Table 4-1 (Page 7 of 9)

Summary of Laboratory Analyses for Groundwater - Building 645

March 2005

Sample Location	NCGWQS	MW-1	MW-2	MW-3	MW-9	MW-12	DUP
Date Sampled		03/09/05	03/09/05	03/10/05	03/10/05	03/10/05	03/10/05
EPA 602 (ug/L)							
Benzene	1	<1.0	1.5	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	2.0	30.5	13.2	<1.0	1.0	1.1
Toluene	1000	2.2	3.7	2.5	<1.0	<1.0	<1.0
Xylenes (total)	530	5.6	135	23.1	<3.0	6.3	7.4
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX		9.8	170.7	38.8	ND	7.3	8.5
EPA 625 (ug/L)							
2,4-Dimethylphenol	140	2.2 J	<4.8	<4.8	<4.8	<4.8	<4.8
1-Methylnaphthalene	RL	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	14	NA	NA	NA	NA	NA	NA
Naphthalene	21	17.2 J	12.1	3.4 J	<4.8	<4.8	<4.8
TICs (Total)		1411 J	994.1 J	172.6 J	None	205.7 J	NR J
Sample Location	NCGWQS	MW-15	MW-18	MW-21	MW-22	MW-23	
Date Sampled		03/10/05	03/10/05	03/09/05	03/09/05	03/09/05	
EPA 602 (ug/L)							
Benzene	1	<1.0	110	<1.0	<1.0	<1.0	
Ethylbenzene	29	<1.0	320	<1.0	<1.0	<1.0	
Toluene	1000	<1.0	788	<1.0	<1.0	<1.0	
Xylenes (total)	530	<3.0	735	<3.0	<3.0	<3.0	
1,2-Dichlorobenzene	620	<1.0	<35	<1.0	<1.0	<1.0	
Methyl Tert Butyl Ether	200	6.6	<35	<1.0	9.6	<1.0	
Total BTEX		ND	1953	ND	ND	ND	
EPA 625 (ug/L)							
2,4-Dimethylphenol	140	<4.8	<4.8	<4.8	<5.7	<4.8	
1-Methylnaphthalene	RL	NA	NA	NA	NA	NA	
2-Methylnaphthalene	14	NA	NA	NA	NA	NA	
Naphthalene	21	<4.8	5.3	<4.8	<5.7	<4.8	
TICs (Total)		None	1169.2 J	None	None	None	

DUP is a duplicate sample collected at well MW-12

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

NA: Not analyzed; analyte quantititaition not requested for the sampling event

TICs: Tentatively Identified Compounds

Table 4-1 (Page 8 of 9)

Summary of Laboratory Analyses for Groundwater - Building 645

June 2005

Sample Location	NCGWQS	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12
Date Sampled		06/21/05	06/21/05	06/21/05	06/21/05	06/20/05	06/20/05	06/23/05	06/20/05	06/20/05	06/23/05	06/20/05	06/20/05
EPA 602 (ug/L)													
Benzene	1	0.93 J	<2.0	0.53 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	11.9	44.0	18.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	12.7	5.7	0.57 J	8.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	530	24.3	213	8.7	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	1.3 J
1,2-Dichlorobenzene	620	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<5.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX		49.83	262.7	28.4	8.1	ND	ND	ND	ND	ND	ND	ND	1.3
EPA 625 (ug/L)													
2,4-Dimethylphenol	140	<4.8	<4.9	<4.9	<5.3	<4.9	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8	<4.8
1-Methylnaphthalene	RL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	21	2.7 J	21.8	15.0	<5.3	<4.9	<4.8	<4.8	<4.9	<4.8	<4.8	<4.8	<4.8
TICs (Total)		242.9 J	718.3 J	238.1 J	67.1 J	None	None	None	None	None	17.6 J	None	149.6 J
Sample Location	NCGWQS	DUP	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23
Date Sampled		06/20/05	06/20/05	06/23/05	06/21/05	06/21/05	06/23/05	06/20/05	06/21/05	06/21/05	06/21/05	06/23/05	06/21/05
EPA 602 (ug/L)													
Benzene	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	151	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	549.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	949	<1.0	<1.0	<1.0	0.65 J	<1.0
Xylenes (total)	530	1.5 J	<3.0	<3.0	<3.0	<3.0	<3.0	989	<3.0	<3.0	<3.0	<3.0	<3.0
1,2-Dichlorobenzene	620	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	<1.0	<1.0	<1.0	7.1	<1.0	<1.0	<10 J	<1.0	<1.0	<1.0	16.2	<1.0
Total BTEX		1.5	ND	ND	ND	ND	ND	2638	ND	ND	ND	0.65	ND
EPA 625 (ug/L)													
2,4-Dimethylphenol	140	<4.9	<4.9	<4.9	<4.9	<4.8	<5.1	<4.8	<4.8	<4.8	<4.8	<5.0	<4.9
1-Methylnaphthalene	RL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	21	<4.9	<4.9	<4.9	<4.9	<4.8	<5.1	5.9	<4.8	<4.8	<4.8	<5.0	<4.9
TICs (Total)		143.9 J	None	None	None	12 J	None	643.4 J	None	None	None	None	None

DUP is a duplicate sample collected at well MW-12

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

ug/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

NA: Not analyzed; analyte quantititaition not requested for the sampling event

TICs: Tentatively Identified Compounds

Table 4-1 (Page 9 of 9)

Summary of Laboratory Analyses for Groundwater - Building 645

September 2005

Sample Location	NCGWQS	MW-1 [1]	MW-2	MW-3	MW-9	MW-12	DUP
Date Sampled		09/22/05	09/22/05	09/22/05	09/22/05	09/15/04	09/22/05
EPA 602 (ug/L)							
Benzene	1	2.0	0.73 J	<1.0	<1.0	4.2 J	4.3 J
Ethylbenzene	29	35.2	53.8	5.0	<1.0	115	111
Toluene	1000	27.9	9.3	<1.0	<1.0	26.3	25.1
Xylenes (total)	530	64.7	240	2.7 J	<3.0	472	415
1,2-Dichlorobenzene	620	75.6	69.9	3.0	<1.0	<5.0	21.5
Methyl Tert Butyl Ether	200	2.7	6.1	<1.0	<1.0	<5.0	<5.0
Total BTEX		129.8	303.83 J	7.7	ND	617.5	555.4
EPA 625 (ug/L)							
2,4-Dimethylphenol	140	<4.8	<4.8	<4.8	<4.8	7.2	7.7
1-Methylnaphthalene	RL	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	14	NA	NA	NA	NA	NA	NA
Naphthalene	21	8.2	24.2	3.2 J	<4.8	61.2	63.4
TICs (Total)		334.2 J	661.4 J	42.2 J	61.8 J	786 J	749 J

Sample Location	NCGWQS	MW-15	MW-18	MW-21	MW-22	MW-23
Date Sampled		09/14/04	09/27/05	09/22/05	09/27/05	09/27/05
EPA 602 (ug/L)						
Benzene	1	<1.0	49.0	<1.0	<1.0	<1.0
Ethylbenzene	29	<1.0	273	0.54 J	<1.0	<1.0
Toluene	1000	0.74 J	259	1.4	0.82 J	<1.0
Xylenes (total)	530	<3.0	281	3.1	<3.0	<3.0
1,2-Dichlorobenzene	620	<1.0	<5.0	<1.0	<1.0	<1.0
Methyl Tert Butyl Ether	200	1.0	<5.0	<1.0	5.4	<1.0
Total BTEX		0.74	862	5.04	0.82	ND
EPA 625 (υg/L)						
2,4-Dimethylphenol	140	<4.8	<4.8	<4.8	<5.6	<4.8
1-Methylnaphthalene	RL	NA	NA	NA	NA	NA
2-Methylnaphthalene	14	NA	NA	NA	NA	NA
Naphthalene	21	<4.8	4.9	<4.8	<5.6	<4.8
TICs (Total)		None	454.2 J	8.5 J	None	None

[1] Chlorobenzene reported at an estimated concentration of 0.84 ug/L (NCGWQS of 50 ug/L)

DUP is a duplicate sample collected at well MW-12

NCGWQS: North Carolina Groundwater Quality Standard

RL: Reporting Limit, no NCGWQS established for the consitituent; thereffore, the NCGWQS for the constituent is the reporting limit

Bold type indicates detectable concentrations.

Shaded area indicates detectable concentration above the North Carolina Groundwater Quality Standards

υg/L: micrograms per liter

<#: not detected at the indicated reporting limit

J: estimated concentration less than reporting limit

ND: None detected; no benzene, toluene, ethylbenzene, or xylene isomers were detected

NA: Not analyzed; analyte quantititaition not requested for the sampling event

TICs: Tentatively Identified Compounds

APPENDIX A

FIELD DATA SUMMARIES AND EMMISIONS CALCULATIONS

TABLE A-1
Depth to Groundwater Data
Building 645

Location	Top of Casing Elevation[(1)]	12/8/03	1/29/04	2/9/04	3/9/04	4/13/04	5/27/04	6/9/04	7/16/04	8/5/04	9/1/04	10/12/04	11/2/04	12/6/04	1/3/05	2/1/05	3/4/05	3/18/05	3/23/05	3/25/05	3/30/05	4/1/05	4/22/05	5/2/05	6/20/05	7/8/05	8/9/05	9/13/05	10/13/05	11/5/05
MW-1	28.55	10.92	8.88	8.90	7.53	8.33	7.92	12.12	12.54	8.80	7.85	8.42	15.89	13.51	11.36	10.72	10.01	10.73	10.43	9.89	8.95	4.05	9.62	12.25	14.50	12.70	13.87	16.88	6.91	11.35
MW-2	29.52	11.83	9.84	9.83	8.30	9.31	10.01	13.15	13.27	9.50	8.69	9.42	14.33	14.34	12.26	11.72	11.06	11.76	11.38	11.03	10.05	10.10	10.52	13.08	15.90	13.51	14.79	18.06	7.80	12.14
MW-3	29.78	12.02	9.92	9.94	8.33	9.31	10.04	13.50	13.85	9.55	8.68	9.65	14.52	14.71	12.56	11.89	11.13	12.00	11.50	11.10	10.10	10.12	10.70	14.35	15.35	13.89	15.19	18.00	7.72	12.20
MW-4	25.32	14.16	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	11.95	NM	NM	NM	NM	NM
MW-5	30.06	12.18	10.02	9.93	7.88	9.20	10.40	13.10	13.27	9.76	8.63	10.32	14.13	14.89	13.31	12.14	11.46	12.43	11.63	10.41	10.46	10.17	10.99	13.36	14.30	14.42	15.01	15.81	5.42	13.30
MW-6	31.26	12.56	10.32	10.23	8.22	9.22	10.42	13.80	14.61	9.52	8.66	10.84	15.18	15.82	13.80	12.69	11.93	13.03	12.29	11.95	10.56	10.31	11.25	13.92	15.08	15.11	16.34	17.15	6.35	13.79
MW-7	27.81	14.10	12.50	12.81	11.75	13.20	13.92	14.50	13.01	15.10	14.48	12.42	14.75	15.29	14.84	15.72	16.78	16.40	16.22	16.45	16.00	15.30	15.09	16.53	16.84	16.43	16.79	18.12	8.20	13.69
MW-8	29.59	11.76	9.55	9.49	7.79	8.60	10.46	12.89	16.47	9.40	8.45	12.42	14.29	14.70	12.64	11.43	10.56	10.53	10.75	9.34	9.45	9.27	10.86	13.61	14.29	14.30	14.46	16.50	6.35	12.64
MW-9	29.78	15.91	14.60	14.92	13.65	14.99	15.12	16.42	14.81	16.87	15.83	13.90	16.23	17.16	16.84	16.89	17.96	17.68	17.71	17.98	17.90	18.72	16.55	17.99	19.04	18.23	18.63	20.13	15.25	16.72
MW-10	27.86	14.20	12.50	12.80	11.75	13.20	13.80	14.52	16.66	15.10	14.47	12.45	14.73	15.29	14.90	15.02	16.83	16.48	16.28	16.54	16.41	16.40	15.07	16.43	16.84	16.47	16.82	18.13	13.74	14.51
MW-11	29.72	16.55	14.49	14.87	13.43	14.69	14.64	16.31	15.33	16.74	15.62	13.86	16.10	16.90	16.68	16.72	17.75	17.55	17.51	17.79	17.66	18.01	16.38	17.71	17.84	18.00	18.39	19.76	14.86	16.62
MW-12	29.39	14.47	12.69	12.94	9.06	13.12	13.06	15.32	16.72	15.40	15.70	12.32	15.49	16.40	15.61	15.36	15.59	15.72	15.21	14.90	14.43	14.70	14.10	16.47	16.96	17.20	17.71	19.32	12.00	15.62
MW-13	29.81	16.47	14.23	14.57	13.31	14.53	14.48	16.18	16.07	16.39	15.23	13.61	16.15	16.84	16.56	16.51	17.33	17.02	17.13	17.33	17.13	17.46	16.02	17.53	17.48	17.82	18.23	19.74	14.50	16.41
MW-14	28.10	14.32	12.80	13.06	12.02	13.45	13.31	14.92	14.99	15.35	14.75	12.72	15.00	15.53	15.18	15.30	16.80	16.75	15.56	16.80	16.65	16.67	15.33	16.70	17.09	16.70	17.05	18.44	13.93	13.82
MW-15	27.04	13.62	12.59	13.08	11.93	13.02	13.03	14.15	14.31	15.15	14.47	NM	13.20	13.92	14.69	14.61	16.22	NM	NM	NM	NM	NM	NM	NM	17.62	NM	NM	17.59	NM	NM
MW-16	28.26	14.68	13.28	13.57	12.52	13.70	13.52	15.28	15.31	15.94	15.40	13.41	15.23	15.98	15.58	15.79	17.35	17.06	17.07	17.40	17.33	17.60	15.99	17.10	17.47	17.32	17.42	18.60	14.91	15.45
MW-17	27.27	13.74	11.63	12.71	11.80	8.89	8.99	12.83	12.47	14.15	14.28	6.32	13.68	11.29	11.21	13.10	15.31	NM	NM	NM	NM	NM	NM	NM	17.34	NM	NM	14.07	NM	NM
MW-18	31.45	15.06	13.82	14.25	12.93	14.00	14.21	15.49	15.72	16.20	15.23	13.48	15.31	16.14	16.09	16.03	17.35	17.13	17.01	17.39	17.24	17.38	15.64	17.04	17.09	17.25	17.60	18.91	14.96	15.94
MW-19	28.34	14.80	12.80	13.11	11.98	13.44	13.31	15.04	15.30	15.34	14.62	12.80	15.23	15.72	15.34	15.46	16.70	16.69	16.67	16.78	16.60	16.58	15.38	16.82	17.31	16.72	17.23	18.59	13.32	15.12
MW-20	28.34	14.94	13.24	13.11	12.02	13.48	13.44	15.03	15.32	15.37	15.65	12.80	15.20	15.70	15.31	15.42	16.68	16.73	16.66	16.76	16.59	16.58	15.39	16.77	17.28	16.85	17.30	18.52	13.40	9.95
MW-21	23.08	9.78	8.00	8.45	7.10	8.13	8.67	10.22	10.33	10.43	15.40	6.91	9.16	10.47	10.29	10.40	11.56	10.39	11.11	10.87	NC	13.21	10.13	11.42	14.63	11.86	11.94	13.20	NM	NM
MW-22	28.51	14.80	13.63	14.07	12.92	13.93	14.01	15.68	15.71	16.15	15.50	12.90	14.61	16.09	15.87	15.90	17.30	NM	NM	NM	NM	NM	NM	NM	14.30	NM	NM	19.07	NM	NM
MW-23	28.57	10.99	8.92	8.78	7.31	7.40	7.82	12.33	12.40	8.79	7.80	8.47	13.28	13.58	11.61	10.90	9.74	NM	10.38	9.97	8.38	9.07	9.62	12.29	14.26	12.80	14.23	17.16	4.97	10.11

[(1)] Top of casing elevation expressed in feet MSL; data from Jones, 2002.
MSL - above mean sea level
BTOC - below top of casing
NM: Not measured (MW-4 not specified for routine gauging; wells MW-15, MW-17, & MW-22 became pressurized after sparge air flow rate increased in March 2005 & were measured only during sampling events when spare air flow was reduced; all other non-measurements associated with miscellaneous access problems, such as standing surface water in the vicinity of the well)

TABLE A-2
Depth to Product Data - 1998 to Present
Building 645

Location	Top of Casing Elevation[1]	12/8/03	1/29/04	2/9/04	3/9/04	4/13/04	5/27/04	6/9/04	7/16/04	8/5/04	9/1/04	10/12/04	11/2/04	12/6/04	1/3/05	2/1/05	3/4/05	3/18/05	3/23/05	3/25/05	3/30/05	4/1/05	4/22/05	5/2/05	6/20/05	7/8/05	8/9/05	9/13/05	10/13/05	11/5/05
MW-1	28.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	29.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	29.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	25.32	--	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	--	NM	NM	NM	NM	NM	NM
MW-5	30.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	31.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	27.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	29.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	29.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	27.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	29.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	29.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	29.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	28.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	27.04	--	--	--	--	--	--	--	--	--	--	NM	--	--	--	--	--	NM	NM	NM	NM	NM	NM	--	NM	NM	--	NM	NM
MW-16	28.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	27.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NM	NM	NM	NM	NM	NM	--	NM	NM	--	NM	NM
MW-18	31.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-19	28.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-20	28.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-21	23.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NC	--	--	--	--	--	--	NM	NM
MW-22	28.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NM	NM	NM	NM	NM	NM	NM	--	NM	NM	--	NM	NM
MW-23	28.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NM	--	--	--	--	--	--	--	--	--	--	--	--

[1] Top of casing elevation expressed in feet MSL; data from Jones, 2002.
MSL - above mean sea level
BTOC - below top of casing
NM: Not measured (MW-4 not specified for routine gauging; wells MW-15, MW-17, & MW-22 became pressurized after sparge air flow rate increased in March 2005 & were measured only during sampling events when spare air flow was reduced; all other non-measurements associated with miscellaneous access problems, such as standing surface water in the vicinity of the well)

Table A-3 Soil Vapor Eextraction System Mass Removal Calculations fom PID Data - Building 645 Site

Measurement Date	Operational Status			Operational Days in Interval	Stack Temperature (F^o)	Stack Gas Velocity (ft/min)	Stack Diameter (in)	Pressue (in H_2O)	Measured PPM ("wet")	Calibration Gas	Volume of Mass Removed (gal)	Mass Removed (lbs)	Cummulative Volume of Mass Removed (gal)	Cummulative Mass Removed (lbs)
	Status	Interval			T_S	V	D	P	PPM_W	C_G	VOL	Mass	VOL	Mass
1/6/2005	running	1/1/2005	1/6/2005	6	71.8	6600	4	-25.0	0.0	Isobutylene	0.00	0.00	0.00	0.00
1/13/2005	running	1/7/2005	1/13/2005	7	71.9	6600	4	-36.0	0.0	Isobutylene	0.00	0.00	0.00	0.00
1/21/2005	running	1/14/2005	1/21/2005	8	58.2	6255	4	-46.0	0.1	Isobutylene	0.01	0.08	0.01	0.08
1/28/2005	running	1/22/2005	1/28/2005	7	54.5	6650	4	-42.0	0.4	Isobutylene	0.05	0.31	0.06	0.39
2/4/2005	running	1/29/2005	2/4/2005	7	57.8	6830	4	-50.0	0.1	Isobutylene	0.01	0.08	0.08	0.47
2/11/2005	running	2/5/2005	2/11/2005	**2**	51.9	6450	4	-44.0	0.0	Isobutylene	0.00	0.00	0.08	0.47
2/18/2005	running	2/12/2005	2/18/2005	**2**	58.4	6370	4	-43.0	0.2	Isobutylene	0.01	0.04	0.08	0.51
2/25/2005	running	2/19/2005	2/25/2005	7	54.8	7075	4	-48.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
2/28/2005	running	2/26/2005	2/28/2005	3	54.1	6125	4	-58.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
3/11/2005	running	3/1/2005	3/11/2005	11	56.7	6725	4	-48.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
3/18/2005	running	3/12/2005	3/18/2005	7	61.1	6305	4	-50.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
3/25/2005	running	3/19/2005	3/25/2005	7	61.6	6935	4	-54.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
3/30/2005	running	3/26/2005	3/30/2005	5	62.1	6510	4	-44.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
4/8/2005	running	3/31/2005	4/8/2005	9	63.1	530	4	-68.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
4/15/2005	running	4/9/2005	4/15/2005	7	61.1	6250	4	-55.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
4/22/2005	running	4/16/2005	4/22/2005	7	69.1	6500	4	-44.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
4/29/2005	running	4/23/2005	4/29/2005	7	66.2	6265	4	-46.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
5/13/2005	running	4/30/2005	5/13/2005	14	68.5	6260	4	-62.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
5/19/2005	running	5/14/2005	5/19/2005	6	82.8	6095	4	-44.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
6/2/2005	running	5/20/2005	6/2/2005	14	70.6	6380	4	-62.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
6/10/2005	running	6/3/2005	6/10/2005	8	84.3	6605	4	-45.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
6/17/2005	running	6/11/2005	6/17/2005	7	92.8	6325	4	-40.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
6/24/2005	running	6/18/2005	6/24/2005	7	90.5	6265	4	-42.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
7/1/2005	running	6/25/2005	7/1/2005	7	82.7	6205	4	-48.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
7/8/2005	running	7/2/2005	7/8/2005	7	82.4	4880	4	-38.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
7/15/2005	running	7/9/2005	7/15/2005	7	88.9	6105	4	-48.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
7/22/2005	running	7/16/2005	7/22/2005	7	100.2	6065	4	-49.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
7/29/2005	running	7/23/2005	7/29/2005	7	89.5	6200	4	-42.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
8/5/2005	running	7/30/2005	8/5/2005	7	88.2	6250	4	-40.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
8/11/2005	running	8/6/2005	8/11/2005	6	84.5	7030	4	-36.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
8/26/2005	running	8/12/2005	8/26/2005	15	89.1	6750	4	-38.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
9/2/2005	running	8/27/2005	9/2/2005	7	95.5	6350	4	-40.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
9/9/2005	running	9/3/2005	9/9/2005	7	93.2	6680	4	-40.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
9/16/2005	running	9/10/2005	9/16/2005	7	95.5	5790	4	-56.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
9/23/2005	running	9/17/2005	9/23/2005	7	81.6	5250	4	-50.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
9/30/2005	running	9/24/2005	9/30/2005	7	79.0	6235	4	-58.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
10/7/2005	running*	10/1/2005	10/7/2005	0			4			Isobutylene			0.08	0.51
10/14/2005	running*	10/8/2005	10/14/2005	0			4			Isobutylene			0.08	0.51
10/21/2005	running	10/15/2005	10/21/2005	7	89.5	2415	4	-42.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
10/29/2005	running	10/22/2005	10/29/2005	8	72.3	2640	4	-46.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
11/5/2005	running	10/30/2005	11/5/2005	7	83.3	4740	4	-50.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
11/12/2005	running	11/6/2005	11/12/2005	7	80.6	5175	4	-46.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
11/19/2005	running	11/13/2005	11/19/2005	7	69.1	5010	4	-36.0	0.0	Isobutylene	0.00	0.00	0.08	0.51
11/26/2005	running	11/20/2005	11/26/2005	7	71.8	3270	4	-34.0	0.0	Isobutylene	0.00	0.00	0.08	0.51

* Excessive moisture in header; measurements could not be taken

Table A-4 Soil Vapor Eextraction System Mass Removal Calculations from Laboratory Analytical Date - Building 645 Site
June 2005

Sample Collection Data

Field Measurements				Derived Quantities	
Sampling Date	Sample Flow Rate (L/min)	Start Time	End Time	Elasped Time (min)	Sample Volume (L)
07/01/05	1	10:05	12:05	120.00	120.00

Sample Constituent Mass

Laboratory Results		Derived Quantities	
Analyte	Constituent Mass per Collection Tube (ng)	Sample Volume (L)	Constituent Concentration (ng/L)
Benzene		120.00	<50
Ethylbenzene		120.00	<50
Toluene		120.00	<50
m,p-Xylene		120.00	<50
o-Xylene		120.00	<50
GRO		120.00	109,000

System Flow (based on SVE header readings; ambient air bypass valve closed)

Field Measurements					Derived Quantities						
Measurement Date	SVE Header Temperature, T_F (F^o)	SVE Header Gas Velocity, V (ft/min)	SVE Header Diameter, D (in)	SVE Header Pressue, P (in-H_2O)	Standard Pressure, P/P_{STD} (in-Hg)	SVE Header Area, A (ft^2)	SVE Header Temperature, T_R (R^o)	Lbs water / Lbs dry air *	Water Vapor (% by Volume)	Flow Rate, Q_{DSCFM} (DSCFM)	Flow Rate, Q_{DSLM} (DSLM)
07/01/05	82.7	6205	4.00	-48.0	0.88	0.087	542.7	0.0247	0.0381	447	12,660

Discharge Rate and Interval Removal Mass

Analyte	Concentration (ng/L)	Flow Rate, Q_{DSLM} (DSLM)	Discharge Rate (ng/min)	Discharge Rate (lbs/yr)	Days in Operation since last Sampled	Mass Removed Over Period (lbs)
Benzene	<50	12,660	<632996	<0.73	29	<0.058
Ethylbenzene	<50	12,660	<632996	<0.73	29	<0.058
Toluene	<50	12,660	<632996	<0.73	29	<0.058
m,p-Xylene	<50	12,660	<632996	<0.73	29	<0.058
o-Xylene	<50	12,660	<632996	<0.73	29	<0.058
GRO	109,000.0	12,660	1379931028	1598.97	29	127

in: inches
ft: feet
L: Liters
lbs: pounds
ng: nanograms
min: minutes
yr: year
F^o: degrees Farenheit
R^o: degrees Rankin
DSCFM: Dry Standard Cubic Feet per Minute
DSLM: Dry Standard Liters per Minute
in-H_2O: inches of water
in-Hg: inches of Mercury

* Data from Heatcraft Psychrometric Chart, HIgh Temperature, Sea Level; saturation assumed

Calculations and constants:

P: Stack Pressure (+, in H_2O) or SVE Header Vacuum (-, in H_2O)

$P_{IN\ HG} = P_{IN\ H2O} / 13.61$

P/P_{STD}: Correction to standard pressure; (P + 29.92) / 29.92

$T_R = T_F + 460$

Table A-4 Soil Vapor Eextraction System Mass Removal Calculations from Laboratory Analytical Date - Building 645 Site (Continued)
September 2005

Sample Collection Data

Field Measurements				Derived Quantities	
Sampling Date	Sample Flow Rate (L/min)	Start Time	End Time	Elasped Time (min)	Sample Volume (L)
09/30/05	1	11:30	13:30	120.00	120.00

Sample Constituent Mass

Laboratory Results		Derived Quantities	
Analyte	Constituent Mass per Collection Tube (ng)	Sample Volume (L)	Constituent Concentration (ng/L)
Benzene		120.00	<50
Ethylbenzene		120.00	<50
Toluene		120.00	<50
m,p-Xylene		120.00	<100
o-Xylene		120.00	<50
GRO		120.00	4,440

System Flow (based on SVE header readings; ambient air bypass valve closed)

Field Measurements					Derived Quantities						
Measurement Date	SVE Header Temperature, T_F (F^o)	SVE Header Gas Velocity, V (ft/min)	SVE Header Diameter, D (in)	SVE Header Pressue, P (in-H_2O)	Standard Pressure, P/P_{STD} (in-Hg)	SVE Header Area, A (ft^2)	SVE Header Temperature, T_R (R^o)	Lbs water / Lbs dry air *	Water Vapor (% by Volume)	Flow Rate, Q_{DSCFM} (DSCFM)	Flow Rate, Q_{DSLM} (DSLM)
09/30/05	79.0	6235	4.00	-58.0	0.86	0.087	539	0.0216	0.0335	442	12,512

Discharge Rate and Interval Removal Mass

Analyte	Concentration (ng/L)	Flow Rate, Q_{DSLM} (DSLM)	Discharge Rate (ng/min)	Discharge Rate (lbs/yr)	Days in Operation since last Sampled	Mass Removed Over Period (lbs)
Benzene	<50	12,512	<625583	<0.72	31	<0.061
Ethylbenzene	<50	12,512	<625583	<0.72	31	<0.061
Toluene	<50	12,512	<625583	<0.72	31	<0.061
m,p-Xylene	<100	12,512	<1251166	<1.45	31	<0.123
o-Xylene	<50	12,512	<625583	<0.72	31	<0.061
GRO	4,440.0	12,512	55551760	64.4	31	5.5

in: inches
ft: feet
L: Liters
lbs: pounds
ng: nanograms
min: minutes
yr: year
F^o: degrees Farenheit
R^o: degrees Rankin
DSCFM: Dry Standard Cubic Feet per Minute
DSLM: Dry Standard Liters per Minute
in-H_2O: inches of water
in-Hg: inches of Mercury

* Data from Heatcraft Psychrometric Chart, HIgh Temperature, Sea Level; saturation assumed

Calculations and constants:

P: Stack Pressure (+, in H_2O) or SVE Header Vacuum (-, in H_2O)

$P_{IN\ HG} = P_{IN\ H2O} / 13.61$

P/P_{STD}: Correction to standard pressure; (P + 29.92) / 29.92

$T_R = T_F + 460$

ANNUAL GROUNDWATER MONITORING REPORT 2003-2005
BUILDING 645 SITE
CAMP LEJEUNE
NORTH CAROLINA

VOLUME II
Revision 0

Prepared for:

DEPARTMENT OF THE NAVY
Contract No. N62470-03-D-4000
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Atlantic Division
Naval Facilities Engineering Command
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17 January 2006

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17 January 2006

September 2003 Groundwater Laboratory Report

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F19794

Sampling Date: 09/26/03

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **68**

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F19794

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F19794-1	09/26/03	10:30	WM	09/27/03	AQ	Ground Water	UST645-MW02
F19794-2	09/26/03	08:28	WM	09/27/03	AQ	Ground Water	UST645-MW03
F19794-3	09/26/03	09:30	WM	09/27/03	AQ	Ground Water	UST645-MW09
F19794-4	09/26/03	09:50	WM	09/27/03	AQ	Ground Water	UST645-MW12
F19794-5	09/26/03	11:43	WM	09/27/03	AQ	Ground Water	UST645-MW01
F19794-6	09/26/03	14:00	WM	09/27/03	AQ	Ground Water	UST645-MW23
F19794-7	09/26/03	14:10	WM	09/27/03	AQ	Ground Water	UST645-MW23D

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F19794-1	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF030791.D	1	10/08/03	CV	n/a	n/a	GEF1122
Run #2 [b]	EF030832.D	5	10/08/03	CV	n/a	n/a	GEF1123

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

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	80.2	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether [c]	ND	10	10	ug/l	
108-88-3	Toluene	18.8	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	670 [d]	15	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	100%	94%	74-127%
98-08-8	aaa-Trifluorotoluene	107%	99%	73-135%

(a) Confirmed by GC/MS
(b) All hits confirmed by dual column analysis.
(c) Elevated reporting limits due to matrix interference.
(d) 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:	UST645-MW02		
Lab Sample ID:	F19794-1	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ18474.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886
Run #2 [a]	IJ18498.D	2	10/02/03	SD	09/30/03	OP8665	GIJ887

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2	950 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.3	2.1	ug/l	
208-96-8	Acenaphthylene	ND	5.3	2.1	ug/l	
120-12-7	Anthracene	ND	5.3	2.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	2.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	2.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	2.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	2.1	ug/l	
218-01-9	Chrysene	ND	5.3	2.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	2.1	ug/l	
206-44-0	Fluoranthene	ND	5.3	2.1	ug/l	
86-73-7	Fluorene	ND	5.3	2.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	2.1	ug/l	
91-20-3	Naphthalene	52.1 [b]	11	4.2	ug/l	
90-12-0	1-Methylnaphthalene	29.2 [b]	11	4.2	ug/l	
91-57-6	2-Methylnaphthalene	49.9 [b]	11	4.2	ug/l	
85-01-8	Phenanthrene	ND	5.3	2.1	ug/l	
129-00-0	Pyrene	ND	5.3	2.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	102%	91%	41-139%
84-15-1	o-Terphenyl	86%	90%	46-135%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F19794-2	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF030792.D	1	10/08/03	CV	n/a	n/a	GEF1122
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	6.4	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.76	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	22.6	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	87%		74-127%
98-08-8	aaa-Trifluorotoluene	91%		73-135%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F19794-2	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	IJ18475.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	2.0	ug/l	
120-12-7	Anthracene	ND	5.1	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	2.0	ug/l	
218-01-9	Chrysene	ND	5.1	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.1	2.0	ug/l	
86-73-7	Fluorene	ND	5.1	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
91-20-3	Naphthalene	7.9	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	3.7	5.1	2.0	ug/l	J
91-57-6	2-Methylnaphthalene	5.1	5.1	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.1	2.0	ug/l	
129-00-0	Pyrene	ND	5.1	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	82%		41-139%
84-15-1	o-Terphenyl	91%		46-135%

(a) All hits confirmed by dual column analysis.

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

Accutest LabLink@44683 15:20 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F19794-3	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF030788.D	1	10/07/03	CV	n/a	n/a	GEF1122
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	79%		74-127%
98-08-8	aaa-Trifluorotoluene	86%		73-135%

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

Accutest LabLink@44683 15:20 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW09
Lab Sample ID: F19794-3
Matrix: AQ - Ground Water
Method: EPA 610 EPA 610
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/26/03
Date Received: 09/27/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ18476.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	2.0	ug/l	
120-12-7	Anthracene	ND	5.1	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	2.0	ug/l	
218-01-9	Chrysene	ND	5.1	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.1	2.0	ug/l	
86-73-7	Fluorene	ND	5.1	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
91-20-3	Naphthalene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.1	2.0	ug/l	
129-00-0	Pyrene	ND	5.1	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	71%		41-139%
84-15-1	o-Terphenyl	89%		46-135%

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

Accutest LabLink@44683 15:20 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F19794-4	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF030797.D	1	10/08/03	CV	n/a	n/a	GEF1122
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	9.6	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	7.9	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	47.6	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	92%		74-127%
98-08-8	aaa-Trifluorotoluene	94%		73-135%

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F19794-4	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	IJ18477.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.3	2.1	ug/l	
208-96-8	Acenaphthylene	ND	5.3	2.1	ug/l	
120-12-7	Anthracene	ND	5.3	2.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	2.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	2.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	2.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	2.1	ug/l	
218-01-9	Chrysene	ND	5.3	2.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	2.1	ug/l	
206-44-0	Fluoranthene	ND	5.3	2.1	ug/l	
86-73-7	Fluorene	ND	5.3	2.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	2.1	ug/l	
91-20-3	Naphthalene	11.3	5.3	2.1	ug/l	
90-12-0	1-Methylnaphthalene	3.7	5.3	2.1	ug/l	J
91-57-6	2-Methylnaphthalene	4.4	5.3	2.1	ug/l	J
85-01-8	Phenanthrene	ND	5.3	2.1	ug/l	
129-00-0	Pyrene	ND	5.3	2.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	101%		41-139%
84-15-1	o-Terphenyl	96%		46-135%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F19794-5	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF030799.D	1	10/08/03	CV	n/a	n/a	GEF1122
Run #2 [a]	EF030821.D	2	10/08/03	CV	n/a	n/a	GEF1123

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

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	81.1 [b]	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [c]	ND [b]	10	10	ug/l	
108-88-3	Toluene	113 [b]	2.0	1.0	ug/l	
1330-20-7	Xylenes (total)	334 [b]	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	99%	100%	74-127%
98-08-8	aaa-Trifluorotoluene	104%	100%	73-135%

(a) Confirmed by GC/MS
(b) Result is from Run# 2
(c) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F19794-5	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ18478.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886
Run #2 [a]	IJ18499.D	2	10/02/03	SD	09/30/03	OP8665	GIJ887

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	2.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	46.6 [b]	10	4.0	ug/l	
90-12-0	1-Methylnaphthalene	28.1 [b]	10	4.0	ug/l	
91-57-6	2-Methylnaphthalene	40.5 [b]	10	4.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	100%	86%	41-139%
84-15-1	o-Terphenyl	82%	83%	46-135%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Accutest LabLink@44683 15:20 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F19794-6	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF030800.D	1	10/08/03	CV	n/a	n/a	GEF1122
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	81%		74-127%
98-08-8	aaa-Trifluorotoluene	87%		73-135%

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

Accutest LabLink@44683 15:20 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW23
Lab Sample ID: F19794-6
Matrix: AQ - Ground Water
Method: EPA 610 EPA 610
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/26/03
Date Received: 09/27/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ18479.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.3	2.1	ug/l	
208-96-8	Acenaphthylene	ND	5.3	2.1	ug/l	
120-12-7	Anthracene	ND	5.3	2.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	2.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	2.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	2.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	2.1	ug/l	
218-01-9	Chrysene	ND	5.3	2.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	2.1	ug/l	
206-44-0	Fluoranthene	ND	5.3	2.1	ug/l	
86-73-7	Fluorene	ND	5.3	2.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	2.1	ug/l	
91-20-3	Naphthalene	ND	5.3	2.1	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.3	2.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.3	2.1	ug/l	
85-01-8	Phenanthrene	ND	5.3	2.1	ug/l	
129-00-0	Pyrene	ND	5.3	2.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	95%		41-139%
84-15-1	o-Terphenyl	98%		46-135%

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

Accutest LabLink@44683 15:20 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW23D		
Lab Sample ID:	F19794-7	**Date Sampled:**	09/26/03
Matrix:	AQ - Ground Water	**Date Received:**	09/27/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF030795.D	1	10/08/03	CV	n/a	n/a	GEF1122
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	80%		74-127%
98-08-8	aaa-Trifluorotoluene	88%		73-135%

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

Report of Analysis

Client Sample ID: UST645-MW23D
Lab Sample ID: F19794-7
Matrix: AQ - Ground Water
Method: EPA 610 EPA 610
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/26/03
Date Received: 09/27/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ18482.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	2.0	ug/l	
120-12-7	Anthracene	ND	5.1	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	2.0	ug/l	
218-01-9	Chrysene	ND	5.1	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.1	2.0	ug/l	
86-73-7	Fluorene	ND	5.1	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
91-20-3	Naphthalene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.1	2.0	ug/l	
129-00-0	Pyrene	ND	5.1	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	94%		41-139%
84-15-1	o-Terphenyl	95%		46-135%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

COC Number: 844271-645-031403

CHAIN-OF-CUSTODY RECORD

F19794

Engineering & Environment - Piney Green Rd. Lot 203 - 910-539-5606

Receiving LAB: Accutest

Project Name	Project Location		
CAMP LEJEUNE - Bldg 645	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
	Bill Morris		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Mike Slade		

Analysis Desired

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Voc 602+MTBE	PAH 610
1	UST645-MW02	9/26/03	1030		X	MW-2	5	X	X
2	UST645-MW03	9/26/03	0828		X	MW-3	5	X	X
3	UST645-MW09	9/26/03	0930		X	MW-9	5	X	X
4	UST645-MW12	9/26/03	0950		X	MW-12	5	X	X
5	UST645-MW01	9/26/03	1143		X	MW-01	5	X	X
6	UST645-MW23	9/26/03	1400		X	MW-23	5	X	X
7	UST645-MW23D	9/26/03	1410		X	MW-23 Dup	5	X	X
8	UST645TB-092603	9/26/03	—		X	Trip Blank	2	X	
9									
10									

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 8		FedEx 8369 1400 3047	9/26/03	16:00	
2		FedEx	Mura M.	9/27/03	0930	
3						

3.0, 4.2

F19794: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F19794

Client: Shaw Project: Camp Lejeune - Bldg. 645

Date Received: 9/27/03 Time Received: 0930

# of Coolers Received: 2 Cooler Temperatures: 3.0, 4.2

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

Air Bill Number: _____

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	Yes	(No)	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	Yes	(No)	
Trip Blank on COC ?	(Yes)	No	
Trip Blank Intact ?	Yes	No	(N/A)
Trip Blank Matrix ?	Soil	Water	(N/A)
Number of Encores ?	(0)		
Number of Soil Field Kits ?	(0)		

Summary of Comments: _____

Signature: Meeram Date: 9/27/03

ASBD/HW 05/11/03

F19794: Chain of Custody
Page 2 of 2

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF1122-MB	EF030787.D	1	10/07/03	CV	n/a	n/a	GEF1122

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19794-1, F19794-2, F19794-3, F19794-4, F19794-5, F19794-6, F19794-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	83%	74-127%
98-08-8	aaa-Trifluorotoluene	91%	73-135%

Method Blank Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF1123-MB	EF030817.D	1	10/08/03	CV	n/a	n/a	GEF1123

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19794-1, F19794-5

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	85%	74-127%
98-08-8	aaa-Trifluorotoluene	91%	73-135%

Blank Spike Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF1122-BS	EF030786.D	1	10/07/03	CV	n/a	n/a	GEF1122

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19794-1, F19794-2, F19794-3, F19794-4, F19794-5, F19794-6, F19794-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.1	101	88-121
108-90-7	Chlorobenzene	20	18.2	91	87-120
95-50-1	1,2-Dichlorobenzene	20	17.4	87	81-119
541-73-1	1,3-Dichlorobenzene	20	18.5	93	82-120
106-46-7	1,4-Dichlorobenzene	20	18.1	91	81-120
100-41-4	Ethylbenzene	20	18.6	93	86-125
1634-04-4	Methyl Tert Butyl Ether	20	17.9	90	80-117
108-88-3	Toluene	20	19.5	98	89-123
1330-20-7	Xylenes (total)	60	56.3	94	89-124

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%	74-127%
98-08-8	aaa-Trifluorotoluene	97%	73-135%

Blank Spike Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF1123-BS	EF030816.D	1	10/08/03	CV	n/a	n/a	GEF1123

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19794-1, F19794-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	20	19.5	98	86-125
1634-04-4	Methyl Tert Butyl Ether	20	17.1	86	80-117
108-88-3	Toluene	20	21.0	105	89-123
1330-20-7	Xylenes (total)	60	59.9	100	89-124

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%	74-127%
98-08-8	aaa-Trifluorotoluene	95%	73-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F19794-3MS	EF030789.D	1	10/07/03	CV	n/a	n/a	GEF1122
F19794-3MSD	EF030790.D	1	10/07/03	CV	n/a	n/a	GEF1122
F19794-3	EF030788.D	1	10/07/03	CV	n/a	n/a	GEF1122

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19794-1, F19794-2, F19794-3, F19794-4, F19794-5, F19794-6, F19794-7

CAS No.	Compound	F19794-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.0	100	20.0	100	0	77-127/9
108-90-7	Chlorobenzene	ND		20	18.3	92	18.2	91	1	82-122/10
95-50-1	1,2-Dichlorobenzene	ND		20	17.8	89	17.7	89	1	69-133/13
541-73-1	1,3-Dichlorobenzene	ND		20	18.7	94	18.3	92	2	77-123/13
106-46-7	1,4-Dichlorobenzene	ND		20	18.3	92	17.9	90	2	73-127/13
100-41-4	Ethylbenzene	ND		20	18.8	94	18.6	93	1	68-136/11
1634-04-4	Methyl Tert Butyl Ether	ND		20	18.5	93	17.6	88	5	71-124/14
108-88-3	Toluene	ND		20	19.4	97	19.2	96	1	78-128/9
1330-20-7	Xylenes (total)	ND		60	57.4	96	56.5	94	2	71-136/11

CAS No.	Surrogate Recoveries	MS	MSD	F19794-3	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%	95%	79%	74-127%
98-08-8	aaa-Trifluorotoluene	93%	97%	86%	73-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F19843-14MS	EF030835.D	1	10/08/03	CV	n/a	n/a	GEF1123
F19843-14MSD	EF030836.D	1	10/08/03	CV	n/a	n/a	GEF1123
F19843-14	EF030834.D	1	10/08/03	CV	n/a	n/a	GEF1123

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19794-1, F19794-5

CAS No.	Compound	F19843-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	ND		20	19.1	96	19.1	96	0	68-136/11
1634-04-4	Methyl Tert Butyl Ether	ND		20	18.1	91	18.2	91	1	71-124/14
108-88-3	Toluene	ND		20	19.6	98	19.7	99	1	78-128/9
1330-20-7	Xylenes (total)	ND		60	58.5	98	58.4	97	0	71-136/11

CAS No.	Surrogate Recoveries	MS	MSD	F19843-14	Limits
352-33-0	1-Chloro-4-fluorobenzene	89%	95%	82%	74-127%
98-08-8	aaa-Trifluorotoluene	90%	95%	88%	73-135%

Duplicate Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F19794-4DUP	EF030798.D	1	10/08/03	CV	n/a	n/a	GEF1122
F19794-4	EF030797.D	1	10/08/03	CV	n/a	n/a	GEF1122

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19794-1, F19794-2, F19794-3, F19794-4, F19794-5, F19794-6, F19794-7

CAS No.	Compound	F19794-4 ug/l	Q	DUP ug/l	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	
108-90-7	Chlorobenzene	ND		ND		nc	
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	
100-41-4	Ethylbenzene	9.6		9.5		1	
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	
108-88-3	Toluene	7.9		7.9		0	
1330-20-7	Xylenes (total)	47.6		47.7		0	

CAS No.	Surrogate Recoveries	DUP	F19794-4	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%	92%	74-127%
98-08-8	aaa-Trifluorotoluene	95%	94%	73-135%

Duplicate Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F19843-6DUP	EF030839.D	1	10/08/03	CV	n/a	n/a	GEF1123
F19843-6	EF030838.D	1	10/08/03	CV	n/a	n/a	GEF1123

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19794-1, F19794-5

CAS No.	Compound	F19843-6 ug/l	Q	DUP ug/l	Q	RPD	Limits
100-41-4	Ethylbenzene	ND		ND		nc	
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	
108-88-3	Toluene	ND		ND		nc	
1330-20-7	Xylenes (total)	ND		ND		nc	

CAS No.	Surrogate Recoveries	DUP	F19843-6	Limits
352-33-0	1-Chloro-4-fluorobenzene	84%	84%	74-127%
98-08-8	aaa-Trifluorotoluene	90%	92%	73-135%

Volatile Surrogate Recovery Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F19794-1	EF030832.D	94.0	99.0
F19794-1	EF030791.D	100.0	107.0
F19794-2	EF030792.D	87.0	91.0
F19794-3	EF030788.D	79.0	86.0
F19794-4	EF030797.D	92.0	94.0
F19794-5	EF030821.D	100.0	100.0
F19794-5	EF030799.D	99.0	104.0
F19794-6	EF030800.D	81.0	87.0
F19794-7	EF030795.D	80.0	88.0
F19794-3MS	EF030789.D	91.0	93.0
F19794-3MSD	EF030790.D	95.0	97.0
F19794-4DUP	EF030798.D	91.0	95.0
F19843-14MS	EF030835.D	89.0	90.0
F19843-14MSD	EF030836.D	95.0	95.0
F19843-6DUP	EF030839.D	84.0	90.0
GEF1122-BS	EF030786.D	94.0	97.0
GEF1122-MB	EF030787.D	83.0	91.0
GEF1123-BS	EF030816.D	95.0	95.0
GEF1123-MB	EF030817.D	85.0	91.0

Surrogate Compounds	Recovery Limits
S1 = 1-Chloro-4-fluorobenzene	74-127%
S2 = aaa-Trifluorotoluene	73-135%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF1121-CC1115	**Injection Date:**	10/07/03
Lab File ID:	EF030785.D	**Injection Time:**	21:33
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.51	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF1122-BS	EF030786.D	10/07/03	21:59	8.51	5.45
GEF1122-MB	EF030787.D	10/07/03	22:24	8.51	5.45
F19794-3	EF030788.D	10/07/03	22:49	8.51	5.45
F19794-3MS	EF030789.D	10/07/03	23:14	8.51	5.45
F19794-3MSD	EF030790.D	10/07/03	23:40	8.50	5.45
F19794-1	EF030791.D	10/08/03	00:04	8.51	5.45
F19794-2	EF030792.D	10/08/03	00:28	8.51	5.45
ZZZZZZ	EF030793.D	10/08/03	00:52	8.51	5.45
ZZZZZZ	EF030794.D	10/08/03	01:17	8.51	5.45
F19794-7	EF030795.D	10/08/03	01:41	8.51	5.45

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF1122-CC1115	**Injection Date:**	10/08/03
Lab File ID:	EF030796.D	**Injection Time:**	02:06
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.51	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F19794-4	EF030797.D	10/08/03	02:30	8.51	5.45
F19794-4DUP	EF030798.D	10/08/03	02:54	8.51	5.45
F19794-5	EF030799.D	10/08/03	03:20	8.51	5.45
F19794-6	EF030800.D	10/08/03	03:45	8.51	5.45

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF1123-CC1115	**Injection Date:**	10/08/03
Lab File ID:	EF030815.D	**Injection Time:**	10:13
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.51	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF1123-BS	EF030816.D	10/08/03	10:51	8.51	5.45
GEF1123-MB	EF030817.D	10/08/03	11:15	8.51	5.45
ZZZZZZ	EF030818.D	10/08/03	11:39	8.51	5.45
ZZZZZZ	EF030819.D	10/08/03	12:03	8.51	5.45
ZZZZZZ	EF030820.D	10/08/03	12:28	8.51	5.45
F19794-5	EF030821.D	10/08/03	12:52	8.51	5.45
ZZZZZZ	EF030822.D	10/08/03	13:16	8.51	5.45
ZZZZZZ	EF030823.D	10/08/03	13:40	8.51	5.46
ZZZZZZ	EF030824.D	10/08/03	14:05	8.51	5.45
ZZZZZZ	EF030825.D	10/08/03	14:30	8.51	5.45

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GEF1123-CC1115
Lab File ID: EF030826.D
Instrument ID: GCEF
Injection Date: 10/08/03
Injection Time: 14:54
Method: EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	8.68	8.51	5.64	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	EF030828.D	10/08/03	15:56		8.51		5.45
ZZZZZZ	EF030829.D	10/08/03	16:23		8.51		5.45
ZZZZZZ	EF030830.D	10/08/03	16:51		8.51		5.45
ZZZZZZ	EF030831.D	10/08/03	17:18	8.68		5.63	
F19794-1	EF030832.D	10/08/03	17:47		8.51		5.45
ZZZZZZ	EF030833.D	10/08/03	18:12		8.51		5.45
F19843-14	EF030834.D	10/08/03	18:36		8.51		5.45
F19843-14MS	EF030835.D	10/08/03	19:00		8.51		5.45
F19843-14MSD	EF030836.D	10/08/03	19:25		8.51		5.45

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF1123-CC1115	**Injection Date:**	10/08/03
Lab File ID:	EF030837.D	**Injection Time:**	19:49
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.51	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F19843-6	EF030838.D	10/08/03	20:14	8.51	5.45
F19843-6DUP	EF030839.D	10/08/03	20:38	8.51	5.45
ZZZZZZ	EF030840.D	10/08/03	21:03	8.51	5.45
ZZZZZZ	EF030841.D	10/08/03	21:27	8.51	5.46
ZZZZZZ	EF030842.D	10/08/03	21:51	8.52	5.46

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1115-ICC1115
Lab FileID: EF030588.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 04 08:01:10 2003
Response via : Initial Calibration

Calibration Files
1 =EF030586.D 2 =EF030587.D 3 =EF030588.D
4 =EF030589.D 5 =EF030590.D 6 =EF030591.D

	Compound	1	2	3	4	5	6	Avg		%RSD
1)	Methyl tert Butyl E		7.314	6.491	6.487	6.505	6.372	6.634	E2	5.79
2)	Di-Isopropyl ether	0.845	1.155	1.058	1.044	1.037	1.026	1.027	E3	9.83
3)	Benzene	1.975	2.546	2.389	2.328	2.342	2.343	2.321	E3	8.07
4) S	a,a,a-TFT(S)	6.790	6.891	6.979	7.090	7.440	7.269	7.076	E2	3.44
5)	Toluene	1.895	2.194	2.074	2.040	2.048	2.054	2.051	E3	4.65
6) S	1-Chloro-4-Fluorobe	0.988	1.013	1.046	1.076	1.133	1.094	1.058	E3	5.07
7)	Chlorobenzene		2.370	2.073	2.016	2.031	2.031	2.104	E3	7.12
8)	Ethylbenzene		2.023	1.804	1.751	1.750	1.747	1.815	E3	6.53
9)	m,p-Xylene	1.785	2.072	1.927	1.890	1.881	1.884	1.907	E3	4.92
10)	o-Xylene	1.549	1.859	1.721	1.689	1.704	1.683	1.701	E3	5.81
11)	1,3-Dichlorobenzene	1.471	1.583	1.475	1.491	1.532	1.517	1.511	E3	2.79
12)	1,4-Dichlorobenzene	1.573	1.670	1.541	1.568	1.601	1.581	1.589	E3	2.78
13)	1,2-Dichlorobenzene	1.308	1.236	1.134	1.157	1.173	1.149	1.193	E3	5.60

Signal #2

1)	Methyl tert Butyl E		1.837	1.638	1.652	1.614	1.555	1.659	E3	6.39
2)	Di-Isopropyl ether		2.857	2.630	2.598	2.554	2.498	2.627	E3	5.22
3)	Benzene	4.846	6.401	6.040	5.867	5.806	5.820	5.797	E3	8.91
4) S	a,a,a-TFT(S)	1.654	1.685	1.721	1.774	1.815	1.745	1.732	E3	3.41
5)	Toluene	4.558	5.490	5.225	5.119	5.102	5.117	5.102	E3	5.96
6) S	1-Chloro-4-Fluorobe	2.409	2.494	2.671	2.769	2.812	2.700	2.642	E3	5.99
7)	Chlorobenzene		6.373	5.359	5.159	5.237	5.120	5.450	E3	9.62
8)	Ethylbenzene	4.472	5.030	4.632	4.523	4.463	4.452	4.595	E3	4.85
9)	m,p-Xylene	4.607	5.368	4.976	4.895	4.889	4.850	4.931	E3	5.03
10)	o-Xylene	3.698	4.576	4.267	4.201	4.156	4.129	4.171	E3	6.78
11)	1,3-Dichlorobenzene	3.598	3.930	3.711	3.736	3.794	3.713	3.747	E3	2.94
12)	1,4-Dichlorobenzene	3.737	4.034	3.756	3.773	3.858	3.838	3.833	E3	2.85
13)	1,2-Dichlorobenzene	3.105	3.138	2.871	2.931	2.962	2.896	2.984	E3	3.74

(#) = Out of Range

DUAL1002.M Fri Oct 03 09:26:35 2003 EF

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1121-CC1115
Lab FileID: EF030785.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100703\EF030785.D\FID1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA\100703\EF030785.D\FID2B.CH
Acq On : 7 Oct 2003 9:33 pm Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2848,gef1121,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.195	4.0	98	0.01
2		Di-Isopropyl ether	20.000	20.016	-0.1	97	0.02
3		Benzene	20.000	20.011	-0.1	97	0.02
4	S	a,a,a-TFT(S)	20.000	19.249	3.8	98	0.02
5		Toluene	20.000	19.671	1.6	97	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.825	5.9	95	0.03
7		Chlorobenzene	20.000	19.262	3.7	98	0.03
8		Ethylbenzene	20.000	19.367	3.2	97	0.03
9		m,p-Xylene	40.000	38.938	2.7	96	0.03
10		o-Xylene	20.000	19.608	2.0	97	0.03
11		1,3-Dichlorobenzene	20.000	18.949	5.3	97	0.02
12		1,4-Dichlorobenzene	20.000	18.876	5.6	97	0.02
13		1,2-Dichlorobenzene	20.000	18.491	7.5	97	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.363	3.2	98	0.01
2		Di-Isopropyl ether	20.000	19.475	2.6	97	0.01
3		Benzene	20.000	20.173	-0.9	97	0.02
4	S	a,a,a-TFT(S)	20.000	19.344	3.3	97	0.02
5		Toluene	20.000	19.954	0.2	97	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.936	5.3	94	0.03
7		Chlorobenzene	20.000	18.936	5.3	96	0.03
8		Ethylbenzene	20.000	19.361	3.2	96	0.03
9		m,p-Xylene	40.000	38.774	3.1	96	0.03
10		o-Xylene	20.000	19.960	0.2	98	0.03
11		1,3-Dichlorobenzene	20.000	19.379	3.1	98	0.02
12		1,4-Dichlorobenzene	20.000	18.980	5.1	97	0.02
13		1,2-Dichlorobenzene	20.000	18.928	5.4	98	0.02

Average % D = 3.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Wed Oct 08 10:16:31 2003 EF

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1122-CC1115
Lab FileID: EF030796.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100703\EF030796.D\FID1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA\100703\EF030796.D\FID2B.CH
Acq On : 8 Oct 2003 2:06 am Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2845,gef1122,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.756	6.2	96	0.02
2		Di-Isopropyl ether	20.000	19.741	1.3	96	0.02
3		Benzene	20.000	19.507	2.5	95	0.02
4	S	a,a,a-TFT(S)	20.000	19.096	4.5	97	0.02
5		Toluene	20.000	19.167	4.2	95	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.712	6.4	95	0.03
7		Chlorobenzene	20.000	18.720	6.4	95	0.03
8		Ethylbenzene	20.000	18.706	6.5	94	0.02
9		m,p-Xylene	40.000	37.655	5.9	93	0.03
10		o-Xylene	20.000	19.149	4.3	95	0.03
11		1,3-Dichlorobenzene	20.000	18.549	7.3	95	0.03
12		1,4-Dichlorobenzene	20.000	18.522	7.4	96	0.03
13		1,2-Dichlorobenzene	20.000	18.032	9.8	95	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.184	9.1	92	0.01
2		Di-Isopropyl ether	20.000	18.636	6.8	93	0.01
3		Benzene	20.000	19.241	3.8	92	0.02
4	S	a,a,a-TFT(S)	20.000	18.648	6.8	94	0.02
5		Toluene	20.000	18.829	5.9	92	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.574	7.1	92	0.02
7		Chlorobenzene	20.000	18.494	7.5	94	0.02
8		Ethylbenzene	20.000	18.653	6.7	93	0.02
9		m,p-Xylene	40.000	37.515	6.2	93	0.02
10		o-Xylene	20.000	19.134	4.3	94	0.02
11		1,3-Dichlorobenzene	20.000	18.600	7.0	94	0.02
12		1,4-Dichlorobenzene	20.000	18.414	7.9	94	0.02
13		1,2-Dichlorobenzene	20.000	17.911	10.4	93	0.02

Average % D = 6.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Wed Oct 08 10:16:32 2003 EF

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1122-CC1115
Lab FileID: EF030807.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100703\EF030807.D\FID1A.CH Vial: 47
Signal #2 : C:\HPCHEM\1\DATA\100703\EF030807.D\FID2B.CH
Acq On : 8 Oct 2003 6:47 am Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2848,gef1122,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.289	8.6	93	0.02
2		Di-Isopropyl ether	20.000	18.885	5.6	92	0.02
3		Benzene	20.000	18.873	5.6	92	0.02
4	S	a,a,a-TFT(S)	20.000	17.840	10.8	90	0.02
5		Toluene	20.000	20.454	-2.3	101	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	17.452	12.7	88	0.03
7		Chlorobenzene	20.000	17.430	12.9	88	0.03
8		Ethylbenzene	20.000	18.369	8.2	92	0.03
9		m,p-Xylene	40.000	37.716	5.7	93	0.03
10		o-Xylene	20.000	19.032	4.8	94	0.03
11		1,3-Dichlorobenzene	20.000	17.544	12.3	90	0.03
12		1,4-Dichlorobenzene	20.000	16.940	15.3#	87	0.03
13		1,2-Dichlorobenzene	20.000	16.649	16.8#	88	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.353	8.2	93	0.01
2		Di-Isopropyl ether	20.000	18.446	7.8	92	0.01
3		Benzene	20.000	19.348	3.3	93	0.02
4	S	a,a,a-TFT(S)	20.000	18.363	8.2	92	0.02
5		Toluene	20.000	20.998	-5.0	103	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.182	9.1	90	0.02
7		Chlorobenzene	20.000	18.227	8.9	93	0.02
8		Ethylbenzene	20.000	19.291	3.5	96	0.02
9		m,p-Xylene	40.000	39.482	1.3	98	0.02
10		o-Xylene	20.000	19.859	0.7	97	0.02
11		1,3-Dichlorobenzene	20.000	18.275	8.6	92	0.02
12		1,4-Dichlorobenzene	20.000	18.216	8.9	93	0.02
13		1,2-Dichlorobenzene	20.000	18.451	7.7	96	0.02

Average % D = 7.8

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Wed Oct 08 10:16:33 2003 EF

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1123-CC1115
Lab FileID: EF030815.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100803\EF030815.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\100803\EF030815.D\FID2B.CH
Acq On : 8 Oct 2003 10:13 am Operator: ClaireV
Sample : CC1115-40 Inst : VOA1
Misc : gc2845,gef1123,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	36.892	7.8	94	0.02
2		Di-Isopropyl ether	40.000	38.129	4.7	94	0.02
3		Benzene	40.000	37.817	5.5	94	0.02
4	S	a,a,a-TFT(S)	20.000	18.519	7.4	92	0.03
5		Toluene	40.000	38.398	4.0	97	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.327	8.4	90	0.03
7		Chlorobenzene	40.000	35.904	10.2	94	0.04
8		Ethylbenzene	40.000	36.463	8.8	94	0.04
9		m,p-Xylene	80.000	76.018	5.0	96	0.04
10		o-Xylene	40.000	37.755	5.6	95	0.04
11		1,3-Dichlorobenzene	40.000	37.430	6.4	95	0.04
12		1,4-Dichlorobenzene	40.000	37.031	7.4	94	0.04
13		1,2-Dichlorobenzene	40.000	35.808	10.5	92	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	38.316	4.2	96	0.01
2		Di-Isopropyl ether	40.000	38.563	3.6	97	0.01
3		Benzene	40.000	40.106	-0.3	99	0.02
4	S	a,a,a-TFT(S)	20.000	19.540	2.3	95	0.02
5		Toluene	40.000	40.279	-0.7	100	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.245	3.8	92	0.03
7		Chlorobenzene	40.000	37.348	6.6	99	0.03
8		Ethylbenzene	40.000	39.067	2.3	99	0.03
9		m,p-Xylene	80.000	80.052	-0.1	101	0.03
10		o-Xylene	40.000	39.745	0.6	99	0.03
11		1,3-Dichlorobenzene	40.000	39.151	2.1	98	0.03
12		1,4-Dichlorobenzene	40.000	38.958	2.6	99	0.03
13		1,2-Dichlorobenzene	40.000	37.787	5.5	96	0.03

Average % D = 4.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030589.D DUAL1002.M Thu Oct 09 08:58:34 2003 EF

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1123-CC1115
Lab FileID: EF030826.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100803\EF030826.D\FID1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\100803\EF030826.D\FID2B.CH
Acq On : 8 Oct 2003 2:54 pm Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2848,gef1123,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.249	3.8	98	0.01
2		Di-Isopropyl ether	20.000	19.662	1.7	95	0.02
3		Benzene	20.000	19.087	4.6	93	0.02
4	S	a,a,a-TFT(S)	20.000	18.946	5.3	96	0.02
5		Toluene	20.000	19.115	4.4	95	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.455	7.7	93	0.03
7		Chlorobenzene	20.000	18.220	8.9	92	0.03
8		Ethylbenzene	20.000	18.309	8.5	92	0.03
9		m,p-Xylene	40.000	36.711	8.2	91	0.03
10		o-Xylene	20.000	18.700	6.5	92	0.03
11		1,3-Dichlorobenzene	20.000	18.269	8.7	94	0.03
12		1,4-Dichlorobenzene	20.000	18.306	8.5	94	0.03
13		1,2-Dichlorobenzene	20.000	17.781	11.1	93	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.300	3.5	98	0.01
2		Di-Isopropyl ether	20.000	19.186	4.1	96	0.01
3		Benzene	20.000	19.528	2.4	94	0.02
4	S	a,a,a-TFT(S)	20.000	19.222	3.9	97	0.02
5		Toluene	20.000	19.671	1.6	96	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.775	6.1	93	0.02
7		Chlorobenzene	20.000	18.476	7.6	94	0.03
8		Ethylbenzene	20.000	18.867	5.7	94	0.03
9		m,p-Xylene	40.000	38.004	5.0	94	0.03
10		o-Xylene	20.000	19.351	3.2	95	0.03
11		1,3-Dichlorobenzene	20.000	18.838	5.8	95	0.03
12		1,4-Dichlorobenzene	20.000	18.624	6.9	95	0.03
13		1,2-Dichlorobenzene	20.000	18.316	8.4	95	0.03

Average % D = 5.8

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Thu Oct 09 09:00:33 2003 EF

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1123-CC1115
Lab FileID: EF030837.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100803\EF030837.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\100803\EF030837.D\FID2B.CH
Acq On : 8 Oct 2003 7:49 pm Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2849,gef1123,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.487	2.6	100	0.01
2		Di-Isopropyl ether	20.000	19.634	1.8	95	0.01
3		Benzene	20.000	18.960	5.2	92	0.02
4	S	a,a,a-TFT(S)	20.000	18.874	5.6	96	0.02
5		Toluene	20.000	18.795	6.0	93	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.617	6.9	94	0.03
7		Chlorobenzene	20.000	18.310	8.5	93	0.03
8		Ethylbenzene	20.000	18.312	8.4	92	0.03
9		m,p-Xylene	40.000	36.988	7.5	91	0.03
10		o-Xylene	20.000	18.847	5.8	93	0.03
11		1,3-Dichlorobenzene	20.000	18.504	7.5	95	0.03
12		1,4-Dichlorobenzene	20.000	18.500	7.5	95	0.03
13		1,2-Dichlorobenzene	20.000	18.183	9.1	96	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.676	1.6	100	0.01
2		Di-Isopropyl ether	20.000	19.254	3.7	96	0.01
3		Benzene	20.000	19.391	3.0	93	0.02
4	S	a,a,a-TFT(S)	20.000	19.237	3.8	97	0.02
5		Toluene	20.000	19.257	3.7	94	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.047	4.8	94	0.02
7		Chlorobenzene	20.000	18.622	6.9	95	0.02
8		Ethylbenzene	20.000	18.974	5.1	94	0.02
9		m,p-Xylene	40.000	37.938	5.2	94	0.02
10		o-Xylene	20.000	19.319	3.4	94	0.03
11		1,3-Dichlorobenzene	20.000	18.951	5.2	96	0.03
12		1,4-Dichlorobenzene	20.000	18.803	6.0	96	0.03
13		1,2-Dichlorobenzene	20.000	18.539	7.3	96	0.03

Average % D = 5.5

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Thu Oct 09 09:00:34 2003 EF

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1123-CC1115
Lab FileID: EF030843.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100803\EF030843.D\FID1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA\100803\EF030843.D\FID2B.CH
Acq On : 8 Oct 2003 10:16 pm Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2849,gef1123,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.433	7.8	94	0.01
2		Di-Isopropyl ether	20.000	19.134	4.3	93	0.02
3		Benzene	20.000	18.852	5.7	92	0.02
4	S	a,a,a-TFT(S)	20.000	18.353	8.2	93	0.03
5		Toluene	20.000	18.703	6.5	92	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.065	9.7	91	0.03
7		Chlorobenzene	20.000	18.164	9.2	92	0.03
8		Ethylbenzene	20.000	18.278	8.6	92	0.03
9		m,p-Xylene	40.000	36.772	8.1	91	0.03
10		o-Xylene	20.000	18.766	6.2	93	0.03
11		1,3-Dichlorobenzene	20.000	18.438	7.8	94	0.03
12		1,4-Dichlorobenzene	20.000	18.387	8.1	95	0.03
13		1,2-Dichlorobenzene	20.000	18.055	9.7	95	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.831	5.8	95	0.01
2		Di-Isopropyl ether	20.000	19.107	4.5	95	0.02
3		Benzene	20.000	19.588	2.1	94	0.02
4	S	a,a,a-TFT(S)	20.000	18.992	5.0	96	0.02
5		Toluene	20.000	19.271	3.6	94	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.729	6.4	93	0.02
7		Chlorobenzene	20.000	18.749	6.3	95	0.02
8		Ethylbenzene	20.000	18.879	5.6	94	0.02
9		m,p-Xylene	40.000	38.069	4.8	94	0.03
10		o-Xylene	20.000	19.519	2.4	95	0.03
11		1,3-Dichlorobenzene	20.000	19.076	4.6	96	0.03
12		1,4-Dichlorobenzene	20.000	19.118	4.4	98	0.03
13		1,2-Dichlorobenzene	20.000	18.636	6.8	97	0.03

Average % D = 6.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Thu Oct 09 09:00:35 2003 EF

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8665-MB	IJ18459.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886

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

F19794-1, F19794-2, F19794-3, F19794-4, F19794-5, F19794-6, F19794-7

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

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	87%	41-139%
84-15-1	o-Terphenyl	87%	46-135%

Method Blank Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8665-MB	IJ18493.D	1	10/02/03	SD	09/30/03	OP8665	GIJ887

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

F19794-1, F19794-2, F19794-3, F19794-4, F19794-5, F19794-6, F19794-7

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

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	66%	41-139%
84-15-1	o-Terphenyl	93%	46-135%

Blank Spike Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8665-BS	IJ18458.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886

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

F19794-1, F19794-2, F19794-3, F19794-4, F19794-5, F19794-6, F19794-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	25	22.2	89	59-114
208-96-8	Acenaphthylene	25	19.4	78	58-109
120-12-7	Anthracene	25	22.4	90	63-110
56-55-3	Benzo(a)anthracene	25	21.9	88	74-111
50-32-8	Benzo(a)pyrene	25	21.3	85	71-110
205-99-2	Benzo(b)fluoranthene	25	21.8	87	75-112
191-24-2	Benzo(g,h,i)perylene	25	21.3	85	66-114
207-08-9	Benzo(k)fluoranthene	25	21.7	87	73-111
218-01-9	Chrysene	25	22.1	88	73-112
53-70-3	Dibenzo(a,h)anthracene	25	20.9	84	67-111
206-44-0	Fluoranthene	25	22.7	91	74-113
86-73-7	Fluorene	25	21.0	84	67-113
193-39-5	Indeno(1,2,3-cd)pyrene	25	22.6	90	68-115
91-20-3	Naphthalene	25	20.1	80	52-113
90-12-0	1-Methylnaphthalene	25	22.3	89	55-117
91-57-6	2-Methylnaphthalene	25	20.2	81	50-115
85-01-8	Phenanthrene	25	22.0	88	70-111
129-00-0	Pyrene	25	22.7	91	73-115

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	82%	41-139%
84-15-1	o-Terphenyl	86%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8665-MS	IJ18480.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886
OP8665-MSD	IJ18481.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886
F19794-6	IJ18479.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886

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

F19794-1, F19794-2, F19794-3, F19794-4, F19794-5, F19794-6, F19794-7

CAS No.	Compound	F19794-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		52.1	50.4	97	48.5	93	4	36-143/21
208-96-8	Acenaphthylene	ND		52.1	44.5	85	42.7	82	4	59-108/22
120-12-7	Anthracene	ND		52.1	49.2	94	47.9	92	3	61-113/22
56-55-3	Benzo(a)anthracene	ND		52.1	49.2	94	46.7	90	5	69-111/17
50-32-8	Benzo(a)pyrene	ND		52.1	47.7	92	45.2	87	5	71-109/22
205-99-2	Benzo(b)fluoranthene	ND		52.1	49.1	94	46.9	90	5	63-116/19
191-24-2	Benzo(g,h,i)perylene	ND		52.1	48.2	93	45.7	88	5	54-123/19
207-08-9	Benzo(k)fluoranthene	ND		52.1	48.8	94	46.2	89	5	66-114/16
218-01-9	Chrysene	ND		52.1	49.2	94	46.8	90	5	65-116/15
53-70-3	Dibenzo(a,h)anthracene	ND		52.1	48.9	94	46.3	89	5	52-130/24
206-44-0	Fluoranthene	ND		52.1	50.5	97	48.1	92	5	73-113/16
86-73-7	Fluorene	ND		52.1	48.9	94	47.0	90	4	63-114/20
193-39-5	Indeno(1,2,3-cd)pyrene	ND		52.1	47.6	91	45.0	86	6	43-133/24
91-20-3	Naphthalene	ND		52.1	46.3	89	45.0	86	3	40-130/27
90-12-0	1-Methylnaphthalene	ND		52.1	51.0	98	49.3	95	3	50-128/25
91-57-6	2-Methylnaphthalene	ND		52.1	46.2	89	44.5	85	4	32-148/26
85-01-8	Phenanthrene	ND		52.1	49.5	95	47.4	91	4	44-136/19
129-00-0	Pyrene	ND		52.1	51.0	98	48.2	93	6	71-116/16

CAS No.	Surrogate Recoveries	MS	MSD	F19794-6	Limits
321-60-8	2-Fluorobiphenyl	89%	86%	95%	41-139%
84-15-1	o-Terphenyl	91%	87%	98%	46-135%

Duplicate Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8665-DUP	IJ18469.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886
F19728-6 [a]	IJ18468.D	1	10/01/03	SD	09/30/03	OP8665	GIJ886

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

F19794-1, F19794-2, F19794-3, F19794-4, F19794-5, F19794-6, F19794-7

CAS No.	Compound	F19728-6 ug/l	Q	DUP ug/l	Q	RPD	Limits
83-32-9	Acenaphthene	ND		ND		nc	
208-96-8	Acenaphthylene	ND		ND		nc	
120-12-7	Anthracene	ND		ND		nc	
56-55-3	Benzo(a)anthracene	ND		ND		nc	
50-32-8	Benzo(a)pyrene	ND		ND		nc	
205-99-2	Benzo(b)fluoranthene	ND		ND		nc	
191-24-2	Benzo(g,h,i)perylene	ND		ND		nc	
207-08-9	Benzo(k)fluoranthene	ND		ND		nc	
218-01-9	Chrysene	ND		ND		nc	
53-70-3	Dibenzo(a,h)anthracene	ND		ND		nc	
206-44-0	Fluoranthene	ND		ND		nc	
86-73-7	Fluorene	ND		ND		nc	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ND		nc	
91-20-3	Naphthalene	4.2	J	4.0	J	5	
90-12-0	1-Methylnaphthalene	ND		ND		nc	
91-57-6	2-Methylnaphthalene	ND		ND		nc	
85-01-8	Phenanthrene	ND		ND		nc	
129-00-0	Pyrene	ND		ND		nc	

CAS No.	Surrogate Recoveries	DUP	F19728-6	Limits
321-60-8	2-Fluorobiphenyl	74%	79%	41-139%
84-15-1	o-Terphenyl	79%	89%	46-135%

(a) All hits confirmed by dual column analysis.

Semivolatile Surrogate Recovery Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 610 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F19794-1	IJ18498.D	91.0	90.0
F19794-1	IJ18474.D	102.0	86.0
F19794-2	IJ18475.D	82.0	91.0
F19794-3	IJ18476.D	71.0	89.0
F19794-4	IJ18477.D	101.0	96.0
F19794-5	IJ18499.D	86.0	83.0
F19794-5	IJ18478.D	100.0	82.0
F19794-6	IJ18479.D	95.0	98.0
F19794-7	IJ18482.D	94.0	95.0
OP8665-BS	IJ18458.D	82.0	86.0
OP8665-DUP	IJ18469.D	74.0	79.0
OP8665-MB	IJ18459.D	87.0	87.0
OP8665-MB	IJ18493.D	66.0	93.0
OP8665-MS	IJ18480.D	89.0	91.0
OP8665-MSD	IJ18481.D	86.0	87.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorobiphenyl	41-139%
S2 = o-Terphenyl	46-135%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GIJ886-CC869
Lab File ID: IJ18457.D
Instrument ID: GCIJ

Injection Date: 10/01/03
Injection Time: 08:00
Method: EPA 610

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.81	6.50	10.36	11.62

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP8665-BS	IJ18458.D	10/01/03	08:34	5.82		10.36	
OP8665-MB	IJ18459.D	10/01/03	09:02	5.82		10.37	
ZZZZZZ	IJ18460.D	10/01/03	09:31	5.82		10.36	
ZZZZZZ	IJ18461.D	10/01/03	09:59	5.82		10.36	
ZZZZZZ	IJ18462.D	10/01/03	10:28		6.51		11.62

Surrogate Compounds

S1 = 2-Fluorobiphenyl
S2 = o-Terphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GIJ886-CC869
Lab File ID: IJ18463.D
Instrument ID: GCIJ

Injection Date: 10/01/03
Injection Time: 10:57
Method: EPA 610

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.82	6.51	10.36	11.62

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	IJ18464.D	10/01/03	11:25		6.51		11.62
ZZZZZZ	IJ18465.D	10/01/03	11:54		6.51		11.62
ZZZZZZ	IJ18466.D	10/01/03	12:22	5.82		10.36	
ZZZZZZ	IJ18467.D	10/01/03	12:51	5.82		10.36	
F19728-6	IJ18468.D	10/01/03	13:20	5.82		10.36	
OP8665-DUP	IJ18469.D	10/01/03	13:48	5.82		10.36	
ZZZZZZ	IJ18471.D	10/01/03	14:46	5.82		10.36	
ZZZZZZ	IJ18472.D	10/01/03	15:14	5.83		10.37	

Surrogate Compounds

S1 = 2-Fluorobiphenyl
S2 = o-Terphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GIJ886-CC869	**Injection Date:**	10/01/03
Lab File ID:	IJ18473.D	**Injection Time:**	16:13
Instrument ID:	GCIJ	**Method:**	EPA 610

	S1 [a] RT	S2 [a] RT
Check Std	5.81	10.36

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F19794-1	IJ18474.D	10/01/03	16:42	5.82	10.36
F19794-2	IJ18475.D	10/01/03	17:10	5.82	10.36
F19794-3	IJ18476.D	10/01/03	17:39	5.82	10.37
F19794-4	IJ18477.D	10/01/03	18:08	5.82	10.37
F19794-5	IJ18478.D	10/01/03	18:36	5.82	10.37
F19794-6	IJ18479.D	10/01/03	19:05	5.83	10.37
OP8665-MS	IJ18480.D	10/01/03	19:33	5.82	10.37
OP8665-MSD	IJ18481.D	10/01/03	20:02	5.82	10.37
F19794-7	IJ18482.D	10/01/03	20:31	5.82	10.37

Surrogate Compounds

S1 = 2-Fluorobiphenyl
S2 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GIJ887-CC869
Lab File ID: IJ18492.D
Instrument ID: GCIJ

Injection Date: 10/02/03
Injection Time: 11:01
Method: EPA 610

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.83	6.50	10.37	11.62

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP8665-MB	IJ18493.D	10/02/03	11:29	5.82		10.37	
ZZZZZZ	IJ18494.D	10/02/03	11:58		6.50		11.62
ZZZZZZ	IJ18495.D	10/02/03	12:27		6.50		11.61
ZZZZZZ	IJ18496.D	10/02/03	12:56	5.82		10.36	
ZZZZZZ	IJ18497.D	10/02/03	13:24	5.82		10.36	
F19794-1	IJ18498.D	10/02/03	13:53	5.82		10.36	
F19794-5	IJ18499.D	10/02/03	14:22	5.82		10.36	

Surrogate Compounds

S1 = 2-Fluorobiphenyl
S2 = o-Terphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ869-ICC869
Lab FileID: IJ18163.D

Response Factor Report FID 1

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Thu Jul 31 12:50:14 2003
Response via : Initial Calibration

Calibration Files
5 =IJ18161.D 10 =IJ18162.D 20 =IJ18163.D
30 =IJ18164.D 40 =IJ18165.D 50 =IJ18166.D

	Compound	5	10	20	30	40	50	Avg		%RSD
1)	Naphthalene	1.766	1.641	1.534	1.709	1.540	1.605	1.633	E4	5.67
2)	2-Methyl Naphthalen	1.668	1.587	1.495	1.674	1.504	1.578	1.584	E4	4.84
3)	1-Methyl Naphthalen	1.573	1.492	1.409	1.575	1.419	1.487	1.493	E4	4.81
4) S	2-Fluorobiphenyl	1.422	1.317	1.297	1.469	1.330	1.398	1.372	E4	4.96
5)	Acenaphthylene	1.668	1.621	1.525	1.696	1.532	1.603	1.607	E4	4.31
6)	Acenaphthene	1.707	1.642	1.548	1.721	1.559	1.630	1.635	E4	4.42
7)	Fluorene	1.636	1.625	1.526	1.692	1.530	1.601	1.602	E4	4.02
8)	Phenanthrene	1.500	1.556	1.479	1.656	1.486	1.557	1.539	E4	4.32
9)	Anthracene	1.752	1.706	1.552	1.701	1.526	1.565	1.634	E4	5.92
10) S	O-Terphenyl	1.756	1.715	1.594	1.768	1.577	1.649	1.677	E4	4.89
11)	Fluoranthene	1.661	1.646	1.528	1.703	1.525	1.598	1.610	E4	4.53
12)	Pyrene	1.736	1.641	1.529	1.712	1.529	1.601	1.625	E4	5.44
13)	Benzo(a)Anthracene	1.580	1.576	1.500	1.698	1.520	1.589	1.577	E4	4.39
14)	Chrysene	1.822	1.714	1.568	1.746	1.553	1.616	1.670	E4	6.43
15)	Benzo(b)Fluoranthen	1.592	1.586	1.533	1.731	1.557	1.629	1.605	E4	4.36
16)	Benzo(k)Fluoranthen	1.956	1.785	1.611	1.785	1.584	1.642	1.727	E4	8.19
17)	Benzo(a) Pyrene	1.717	1.631	1.528	1.706	1.526	1.590	1.616	E4	5.17
18)	Indeno(1,2,3-cd)pyr	1.513	1.514	1.440	1.634	1.469	1.543	1.519	E4	4.43
19)	Dibenzo(a,h)anthrac	1.834	1.734	1.588	1.749	1.563	1.624	1.682	E4	6.33
20)	Benzo(g,h,i) Peryle	1.774	1.699	1.550	1.736	1.528	1.594	1.647	E4	6.25

Signal #2 Calibration Files
5 =IJ18161.D 10 =IJ18162.D 20 =IJ18163.D
30 =IJ18164.D 40 =IJ18165.D 50 =IJ18166.D

	Compound	5	10	20	30	40	50	Avg		%RSD
1)	Naphthalene	2.323	2.172	2.040	2.282	2.046	2.137	2.167	E4	5.44
2)	2-Methyl Naphthalen	2.083	2.012	1.918	2.187	1.973	2.067	2.040	E4	4.62
3)	1-Methyl Naphthalen	1.997	1.913	1.834	2.055	1.858	1.943	1.933	E4	4.32
4) S	2-Fluorobiphenyl	1.853	1.802	1.701	1.936	1.753	1.840	1.814	E4	4.52
5)	Acenaphthylene	2.185	2.140	2.013	2.242	2.034	2.128	2.124	E4	4.12
6)	Acenaphthene	2.226	2.180	2.038	2.272	2.055	2.150	2.153	E4	4.31
7)	Fluorene	2.058	2.058	1.987	2.216	2.007	2.104	2.072	E4	3.96
8)	Phenanthrene	1.769	1.895	1.852	2.125	1.903	2.012	1.926	E4	6.52
9)	Anthracene	2.387	2.301	1.996	2.196	1.973	2.055	2.152	E4	7.91
10) S	O-Terphenyl	2.300	2.262	2.109	2.344	2.091	2.191	2.216	E4	4.65
11)	Fluoranthene	2.124	2.126	1.983	2.227	1.993	2.105	2.093	E4	4.39
12)	Pyrene	2.269	2.238	2.081	2.300	2.051	2.150	2.181	E4	4.72
13)	Benzo(a)Anthracene	2.193	2.145	2.021	2.274	2.032	2.121	2.131	E4	4.53
14)	Chrysene	2.261	2.189	2.046	2.278	2.028	2.115	2.153	E4	4.96
15)	Benzo(b)Fluoranthen	2.162	2.098	2.012	2.271	2.055	2.153	2.125	E4	4.31
16)	Benzo(k)Fluoranthen	2.337	2.221	2.063	2.298	2.049	2.131	2.183	E4	5.56
17)	Benzo(a) Pyrene	2.228	2.120	2.001	2.255	2.016	2.098	2.120	E4	4.96
18)	Indeno(1,2,3-cd)pyr	2.018	2.015	1.944	2.230	2.015	2.130	2.059	E4	5.00
19)	Dibenzo(a,h)anthrac	2.350	2.214	2.028	2.220	1.978	2.045	2.139	E4	6.72
20)	Benzo(g,h,i) Peryle	2.190	2.119	1.986	2.225	1.996	2.085	2.100	E4	4.67

Initial Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ869-ICC869
Lab FileID: IJ18163.D

```
                                                                    Average  % RSD =   5.1
-------------------------------------------------------------------------------
(#) = Out of Range

          8100_H2.M         Mon Aug 04 09:38:20 2003
```

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ886-CC869
Lab FileID: IJ18457.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1001PAH\IJ18457.D\FID1B.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\1001PAH\IJ18457.D\FID2A.CH
Acq On : 1 Oct 2003 8:00 am Operator: SARAHM
Sample : CC869-10 Inst : FID 1
Misc : op8665,gij886,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Wed Sep 17 08:24:36 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	10.000	10.544	-5.4	105	0.00
2		2-Methyl Naphthalene	10.000	10.374	-3.7	104	0.00
3		1-Methyl Naphthalene	10.000	10.313	-3.1	103	0.00
4	S	2-Fluorobiphenyl	10.000	10.328	-3.3	108	0.00
5		Acenaphthylene	10.000	10.117	-1.2	100	0.00
6		Acenaphthene	10.000	10.335	-3.4	103	0.00
7		Fluorene	10.000	10.094	-0.9	99	0.00
8		Phenanthrene	10.000	10.161	-1.6	100	0.00
9		Anthracene	10.000	11.023	-10.2	106	0.00
10	S	O-Terphenyl	10.000	10.834	-8.3	106	0.00
11		Fluoranthene	10.000	10.517	-5.2	103	0.00
12		Pyrene	10.000	10.809	-8.1	107	0.00
13		Benzo(a)Anthracene	10.000	10.054	-0.5	101	0.00
14		Chrysene	10.000	10.764	-7.6	105	0.00
15		Benzo(b)Fluoranthene	10.000	9.729	2.7	98	0.00
16		Benzo(k)Fluoranthene	10.000	10.706	-7.1	104	-0.01
17		Benzo(a) Pyrene	10.000	10.288	-2.9	102	0.00
18		Indeno(1,2,3-cd)pyrene	10.000	10.137	-1.4	102	-0.01
19		Dibenzo(a,h)anthracene	10.000	10.481	-4.8	102	0.00
20		Benzo(g,h,i) Perylene	10.000	10.761	-7.6	104	-0.01

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	10.000	10.606	-6.1	106	0.00
2		2-Methyl Naphthalene	10.000	10.394	-3.9	105	0.00
3		1-Methyl Naphthalene	10.000	10.303	-3.0	104	0.00
4	S	2-Fluorobiphenyl	10.000	10.618	-6.2	107	0.00
5		Acenaphthylene	10.000	10.525	-5.3	104	0.00
6		Acenaphthene	10.000	10.719	-7.2	106	0.00
7		Fluorene	10.000	10.774	-7.7	108	0.00
8		Phenanthrene	10.000	10.319	-3.2	105	0.00
9		Anthracene	10.000	11.776	-17.8#	110	0.00
10	S	O-Terphenyl	10.000	10.904	-9.0	107	0.00
11		Fluoranthene	10.000	10.749	-7.5	106	0.00
12		Pyrene	10.000	10.962	-9.6	107	0.00
13		Benzo(a)Anthracene	10.000	10.603	-6.0	105	-0.01
14		Chrysene	10.000	10.669	-6.7	105	-0.01
15		Benzo(b)Fluoranthene	10.000	9.959	0.4	101	-0.02

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ886-CC869
Lab FileID: IJ18457.D

16	Benzo(k)Fluoranthene	10.000	10.502	-5.0	103	-0.02
17	Benzo(a) Pyrene	10.000	10.468	-4.7	105	-0.01
18	Indeno(1,2,3-cd)pyrene	10.000	10.102	-1.0	103	-0.01
19	Dibenzo(a,h)anthracene	10.000	10.832	-8.3	105	0.00
20	Benzo(g,h,i) Perylene	10.000	10.544	-5.4	105	-0.02

Average % D = 5.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18162.D 8100_H2.M Wed Oct 01 15:18:54 2003

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ886-CC869
Lab FileID: IJ18463.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1001PAH\IJ18463.D\FID1B.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\1001PAH\IJ18463.D\FID2A.CH
Acq On : 1 Oct 2003 10:57 am Operator: SARAHM
Sample : CC869-30 Inst : FID 1
Misc : op8665,gij886,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Wed Sep 17 08:24:36 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	29.076	3.1	93	0.00
2		2-Methyl Naphthalene	30.000	29.070	3.1	92	0.00
3		1-Methyl Naphthalene	30.000	28.934	3.6	91	0.00
4	S	2-Fluorobiphenyl	30.000	29.019	3.3	90	0.00
5		Acenaphthylene	30.000	28.979	3.4	92	0.00
6		Acenaphthene	30.000	29.073	3.1	92	0.00
7		Fluorene	30.000	29.174	2.8	92	0.00
8		Phenanthrene	30.000	29.535	1.5	92	0.00
9		Anthracene	30.000	29.590	1.4	95	0.00
10	S	O-Terphenyl	30.000	29.347	2.2	93	0.00
11		Fluoranthene	30.000	29.500	1.7	93	0.00
12		Pyrene	30.000	30.118	-0.4	95	0.00
13		Benzo(a)Anthracene	30.000	28.865	3.8	89	0.00
14		Chrysene	30.000	28.763	4.1	92	0.00
15		Benzo(b)Fluoranthene	30.000	28.886	3.7	89	0.00
16		Benzo(k)Fluoranthene	30.000	27.979	6.7	90	0.00
17		Benzo(a) Pyrene	30.000	28.587	4.7	90	0.00
18		Indeno(1,2,3-cd)pyrene	30.000	28.735	4.2	89	0.00
19		Dibenzo(a,h)anthracene	30.000	28.032	6.6	90	0.00
20		Benzo(g,h,i) Perylene	30.000	28.515	4.9	90	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	29.026	3.2	92	0.00
2		2-Methyl Naphthalene	30.000	29.441	1.9	92	0.00
3		1-Methyl Naphthalene	30.000	29.148	2.8	91	0.00
4	S	2-Fluorobiphenyl	30.000	29.246	2.5	91	0.00
5		Acenaphthylene	30.000	29.364	2.1	93	0.00
6		Acenaphthene	30.000	29.505	1.7	93	0.00
7		Fluorene	30.000	30.056	-0.2	94	0.00
8		Phenanthrene	30.000	30.430	-1.4	92	0.00
9		Anthracene	30.000	29.233	2.6	95	0.00
10	S	O-Terphenyl	30.000	29.932	0.2	94	0.00
11		Fluoranthene	30.000	30.007	-0.0	94	0.00
12		Pyrene	30.000	30.102	-0.3	95	0.00
13		Benzo(a)Anthracene	30.000	29.411	2.0	92	0.00
14		Chrysene	30.000	29.110	3.0	92	0.00
15		Benzo(b)Fluoranthene	30.000	29.427	1.9	92	0.00

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ886-CC869
Lab FileID: IJ18463.D

16	Benzo(k)Fluoranthene	30.000	29.102	3.0	92	0.00
17	Benzo(a) Pyrene	30.000	29.120	2.9	91	0.00
18	Indeno(1,2,3-cd)pyrene	30.000	29.396	2.0	90	0.00
19	Dibenzo(a,h)anthracene	30.000	29.056	3.1	93	0.00
20	Benzo(g,h,i) Perylene	30.000	29.207	2.6	92	-0.01

Average % D = 2.7

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18164.D 8100_H2.M Wed Oct 01 15:18:26 2003

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ886-CC869
Lab FileID: IJ18473.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1001PAH\IJ18473.D\FID1B.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA\1001PAH\IJ18473.D\FID2A.CH
Acq On : 1 Oct 2003 4:13 pm Operator: SARAHM
Sample : CC869-30 Inst : FID 1
Misc : op8665,gij886,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Wed Sep 17 08:24:36 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	29.441	1.9	94	0.00
2		2-Methyl Naphthalene	30.000	29.490	1.7	93	0.00
3		1-Methyl Naphthalene	30.000	29.294	2.4	93	0.00
4	S	2-Fluorobiphenyl	30.000	29.518	1.6	92	0.00
5		Acenaphthylene	30.000	29.347	2.2	93	0.00
6		Acenaphthene	30.000	29.369	2.1	93	0.00
7		Fluorene	30.000	29.465	1.8	93	0.00
8		Phenanthrene	30.000	29.923	0.3	93	0.00
9		Anthracene	30.000	29.746	0.8	95	0.00
10	S	O-Terphenyl	30.000	29.646	1.2	94	0.00
11		Fluoranthene	30.000	29.865	0.5	94	0.00
12		Pyrene	30.000	29.568	1.4	94	0.00
13		Benzo(a)Anthracene	30.000	29.418	1.9	91	0.00
14		Chrysene	30.000	29.009	3.3	93	0.00
15		Benzo(b)Fluoranthene	30.000	29.474	1.8	91	0.00
16		Benzo(k)Fluoranthene	30.000	28.281	5.7	91	0.00
17		Benzo(a) Pyrene	30.000	28.841	3.9	91	0.00
18		Indeno(1,2,3-cd)pyrene	30.000	29.230	2.6	91	0.00
19		Dibenzo(a,h)anthracene	30.000	28.505	5.0	91	0.00
20		Benzo(g,h,i) Perylene	30.000	28.765	4.1	91	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	29.440	1.9	93	0.01
2		2-Methyl Naphthalene	30.000	29.879	0.4	93	0.00
3		1-Methyl Naphthalene	30.000	29.599	1.3	93	0.00
4	S	2-Fluorobiphenyl	30.000	29.695	1.0	93	0.00
5		Acenaphthylene	30.000	29.747	0.8	94	0.00
6		Acenaphthene	30.000	29.767	0.8	94	0.00
7		Fluorene	30.000	30.425	-1.4	95	0.00
8		Phenanthrene	30.000	30.953	-3.2	94	0.00
9		Anthracene	30.000	29.532	1.6	96	0.00
10	S	O-Terphenyl	30.000	30.253	-0.8	95	0.00
11		Fluoranthene	30.000	30.412	-1.4	95	0.00
12		Pyrene	30.000	30.472	-1.6	96	0.00
13		Benzo(a)Anthracene	30.000	29.856	0.5	93	-0.01
14		Chrysene	30.000	29.550	1.5	93	-0.01
15		Benzo(b)Fluoranthene	30.000	29.618	1.3	92	-0.01

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ886-CC869
Lab FileID: IJ18473.D

16	Benzo(k)Fluoranthene	30.000	29.483	1.7	93	-0.01
17	Benzo(a) Pyrene	30.000	29.705	1.0	93	-0.01
18	Indeno(1,2,3-cd)pyrene	30.000	29.983	0.1	92	-0.01
19	Dibenzo(a,h)anthracene	30.000	29.478	1.7	95	-0.01
20	Benzo(g,h,i) Perylene	30.000	29.554	1.5	93	-0.01

Average % D = 1.8

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18164.D 8100_H2.M Thu Oct 02 08:36:00 2003

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ886-CC869
Lab FileID: IJ18483.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1001PAH\IJ18483.D\FID1B.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA\1001PAH\IJ18483.D\FID2A.CH
Acq On : 1 Oct 2003 8:59 pm Operator: SARAHM
Sample : CC869-30 Inst : FID 1
Misc : op8665,gij886,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Wed Sep 17 08:24:33 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	29.869	0.4	95	0.00
2		2-Methyl Naphthalene	30.000	29.905	0.3	94	0.00
3		1-Methyl Naphthalene	30.000	29.735	0.9	94	0.00
4	S	2-Fluorobiphenyl	30.000	29.996	0.0	93	0.00
5		Acenaphthylene	30.000	29.824	0.6	94	0.00
6		Acenaphthene	30.000	29.862	0.5	95	0.00
7		Fluorene	30.000	29.989	0.0	95	0.00
8		Phenanthrene	30.000	30.306	-1.0	94	0.00
9		Anthracene	30.000	30.251	-0.8	97	0.00
10	S	O-Terphenyl	30.000	30.080	-0.3	95	0.00
11		Fluoranthene	30.000	30.294	-1.0	95	0.00
12		Pyrene	30.000	30.936	-3.1	98	0.00
13		Benzo(a)Anthracene	30.000	29.767	0.8	92	0.01
14		Chrysene	30.000	29.487	1.7	94	0.01
15		Benzo(b)Fluoranthene	30.000	29.815	0.6	92	0.01
16		Benzo(k)Fluoranthene	30.000	29.017	3.3	94	0.01
17		Benzo(a) Pyrene	30.000	29.255	2.5	92	0.01
18		Indeno(1,2,3-cd)pyrene	30.000	29.676	1.1	92	0.00
19		Dibenzo(a,h)anthracene	30.000	28.680	4.4	92	0.00
20		Benzo(g,h,i) Perylene	30.000	29.357	2.1	93	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	29.705	1.0	94	0.00
2		2-Methyl Naphthalene	30.000	30.190	-0.6	94	0.00
3		1-Methyl Naphthalene	30.000	29.953	0.2	94	0.00
4	S	2-Fluorobiphenyl	30.000	30.087	-0.3	94	0.00
5		Acenaphthylene	30.000	30.067	-0.2	95	0.00
6		Acenaphthene	30.000	30.147	-0.5	95	0.00
7		Fluorene	30.000	30.779	-2.6	96	0.00
8		Phenanthrene	30.000	31.382	-4.6	95	0.00
9		Anthracene	30.000	29.637	1.2	97	0.00
10	S	O-Terphenyl	30.000	30.595	-2.0	96	0.00
11		Fluoranthene	30.000	30.694	-2.3	96	-0.01
12		Pyrene	30.000	30.749	-2.5	97	-0.02
13		Benzo(a)Anthracene	30.000	30.163	-0.5	94	-0.03
14		Chrysene	30.000	29.898	0.3	94	-0.03
15		Benzo(b)Fluoranthene	30.000	30.423	-1.4	95	-0.03

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ886-CC869
Lab FileID: IJ18483.D

16	Benzo(k)Fluoranthene	30.000	30.198	-0.7	96	-0.03
17	Benzo(a) Pyrene	30.000	29.948	0.2	94	-0.03
18	Indeno(1,2,3-cd)pyrene	30.000	30.812	-2.7	95	-0.04
19	Dibenzo(a,h)anthracene	30.000	29.712	1.0	95	-0.04
20	Benzo(g,h,i) Perylene	30.000	29.377	2.1	92	-0.04

Average % D = 1.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18164.D 8100_H2.M Thu Oct 02 14:51:56 2003

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ887-CC869
Lab FileID: IJ18492.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1002PAH\IJ18492.D\FID1B.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\1002PAH\IJ18492.D\FID2A.CH
Acq On : 2 Oct 2003 11:01 am Operator: SARAHM
Sample : cc869-30 Inst : FID 1
Misc : op8665,gij887,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Wed Sep 17 08:24:36 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	30.765	-2.6	98	0.00
2		2-Methyl Naphthalene	30.000	30.743	-2.5	97	0.00
3		1-Methyl Naphthalene	30.000	30.578	-1.9	97	0.00
4	S	2-Fluorobiphenyl	30.000	30.666	-2.2	95	0.00
5		Acenaphthylene	30.000	30.289	-1.0	96	0.00
6		Acenaphthene	30.000	31.033	-3.4	98	0.00
7		Fluorene	30.000	30.838	-2.8	97	0.00
8		Phenanthrene	30.000	31.154	-3.8	97	0.00
9		Anthracene	30.000	31.301	-4.3	100	0.00
10	S	O-Terphenyl	30.000	31.117	-3.7	98	0.00
11		Fluoranthene	30.000	31.194	-4.0	98	0.00
12		Pyrene	30.000	31.862	-6.2	101	0.00
13		Benzo(a)Anthracene	30.000	30.430	-1.4	94	0.00
14		Chrysene	30.000	30.542	-1.8	97	0.00
15		Benzo(b)Fluoranthene	30.000	30.616	-2.1	95	0.00
16		Benzo(k)Fluoranthene	30.000	29.743	0.9	96	0.00
17		Benzo(a) Pyrene	30.000	30.107	-0.4	95	0.00
18		Indeno(1,2,3-cd)pyrene	30.000	29.183	2.7	90	0.00
19		Dibenzo(a,h)anthracene	30.000	28.464	5.1	91	0.00
20		Benzo(g,h,i) Perylene	30.000	29.224	2.6	92	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	30.726	-2.4	97	0.00
2		2-Methyl Naphthalene	30.000	31.238	-4.1	97	0.00
3		1-Methyl Naphthalene	30.000	30.950	-3.2	97	0.00
4	S	2-Fluorobiphenyl	30.000	31.028	-3.4	97	0.00
5		Acenaphthylene	30.000	30.712	-2.4	97	0.00
6		Acenaphthene	30.000	31.497	-5.0	100	0.00
7		Fluorene	30.000	31.771	-5.9	99	0.00
8		Phenanthrene	30.000	32.321	-7.7	98	0.00
9		Anthracene	30.000	30.660	-2.2	100	0.00
10	S	O-Terphenyl	30.000	31.690	-5.6	100	0.00
11		Fluoranthene	30.000	31.815	-6.1	100	0.00
12		Pyrene	30.000	31.807	-6.0	101	0.00
13		Benzo(a)Anthracene	30.000	31.030	-3.4	97	0.00
14		Chrysene	30.000	30.987	-3.3	98	0.00
15		Benzo(b)Fluoranthene	30.000	30.880	-2.9	96	0.00

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ887-CC869
Lab FileID: IJ18492.D

16	Benzo(k)Fluoranthene	30.000	30.545	-1.8	97	0.00
17	Benzo(a) Pyrene	30.000	30.588	-2.0	96	0.00
18	Indeno(1,2,3-cd)pyrene	30.000	29.932	0.2	92	0.00
19	Dibenzo(a,h)anthracene	30.000	29.730	0.9	96	0.00
20	Benzo(g,h,i) Perylene	30.000	29.233	2.6	92	0.00

Average % D = 3.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18164.D 8100_H2.M Fri Oct 03 08:24:13 2003

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ887-CC869
Lab FileID: IJ18500.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1002PAH\IJ18500.D\FID1B.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\1002PAH\IJ18500.D\FID2A.CH
Acq On : 2 Oct 2003 2:50 pm Operator: SARAHM
Sample : cc869-20 Inst : FID 1
Misc : op8665,gij887,1000,,,1,2,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Wed Sep 17 08:24:36 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	19.215	3.9	102	0.00
2		2-Methyl Naphthalene	20.000	18.969	5.2	100	0.00
3		1-Methyl Naphthalene	20.000	18.932	5.3	100	0.00
4	S	2-Fluorobiphenyl	20.000	18.687	6.6	99	0.00
5		Acenaphthylene	20.000	19.044	4.8	100	0.00
6		Acenaphthene	20.000	19.117	4.4	101	0.00
7		Fluorene	20.000	19.135	4.3	100	0.00
8		Phenanthrene	20.000	18.972	5.1	99	0.00
9		Anthracene	20.000	19.833	0.8	104	0.00
10	S	O-Terphenyl	20.000	19.445	2.8	102	0.00
11		Fluoranthene	20.000	19.405	3.0	102	0.00
12		Pyrene	20.000	19.632	1.8	104	0.00
13		Benzo(a)Anthracene	20.000	18.650	6.8	98	0.00
14		Chrysene	20.000	19.215	3.9	102	0.00
15		Benzo(b)Fluoranthene	20.000	18.388	8.1	96	0.00
16		Benzo(k)Fluoranthene	20.000	18.979	5.1	102	0.00
17		Benzo(a) Pyrene	20.000	18.648	6.8	99	0.00
18		Indeno(1,2,3-cd)pyrene	20.000	17.841	10.8	94	0.00
19		Dibenzo(a,h)anthracene	20.000	18.453	7.7	98	0.00
20		Benzo(g,h,i) Perylene	20.000	18.466	7.7	98	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	18.872	5.6	100	0.00
2		2-Methyl Naphthalene	20.000	18.789	6.1	100	0.00
3		1-Methyl Naphthalene	20.000	19.212	3.9	101	0.00
4	S	2-Fluorobiphenyl	20.000	19.407	3.0	103	0.00
5		Acenaphthylene	20.000	19.058	4.7	101	0.00
6		Acenaphthene	20.000	19.130	4.4	101	0.00
7		Fluorene	20.000	19.448	2.8	101	0.00
8		Phenanthrene	20.000	19.137	4.3	100	0.00
9		Anthracene	20.000	20.534	-2.7	111	0.00
10	S	O-Terphenyl	20.000	19.573	2.1	103	0.00
11		Fluoranthene	20.000	19.636	1.8	104	0.00
12		Pyrene	20.000	19.619	1.9	103	0.00
13		Benzo(a)Anthracene	20.000	19.096	4.5	101	0.00
14		Chrysene	20.000	18.981	5.1	100	0.00
15		Benzo(b)Fluoranthene	20.000	18.928	5.4	100	-0.01

Continuing Calibration Summary

Job Number: F19794
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ887-CC869
Lab FileID: IJ18500.D

16	Benzo(k)Fluoranthene	20.000	19.070	4.6	101	-0.02
17	Benzo(a) Pyrene	20.000	19.047	4.8	101	-0.01
18	Indeno(1,2,3-cd)pyrene	20.000	18.219	8.9	96	-0.02
19	Dibenzo(a,h)anthracene	20.000	19.051	4.7	100	-0.02
20	Benzo(g,h,i) Perylene	20.000	18.323	8.4	97	-0.03

Average % D = 4.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18163.D 8100_H2.M Fri Oct 03 08:24:38 2003

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F19844

Sampling Date: 09/29/03

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **62**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F19844

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F19844-1	09/29/03	09:45	MM	10/01/03	AQ	Ground Water	UST645-MW15
F19844-2	09/29/03	12:45	MM	10/01/03	AQ	Ground Water	UST645-MW18
F19844-3	09/29/03	11:00	MM	10/01/03	AQ	Ground Water	UST645-MW21
F19844-4	09/29/03	11:30	MM	10/01/03	AQ	Ground Water	UST645-MW22

Accutest LabLink@44683 15:24 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F19844-1	**Date Sampled:**	09/29/03
Matrix:	AQ - Ground Water	**Date Received:**	10/01/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF030771.D	1	10/07/03	CV	n/a	n/a	GEF1121
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	63.9	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	87%		74-127%
98-08-8	aaa-Trifluorotoluene	95%		73-135%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: UST645-MW15
Lab Sample ID: F19844-1
Matrix: AQ - Ground Water
Method: EPA 610 EPA 610
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/29/03
Date Received: 10/01/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ18524.D	1	10/06/03	SD	10/06/03	OP8720	GIJ888
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	67%		41-139%
84-15-1	o-Terphenyl	85%		46-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates 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:	UST645-MW18		
Lab Sample ID:	F19844-2	**Date Sampled:**	09/29/03
Matrix:	AQ - Ground Water	**Date Received:**	10/01/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF030829.D	50	10/08/03	CV	n/a	n/a	GEF1123
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	755	50	25	ug/l	
108-90-7	Chlorobenzene	ND	50	25	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	25	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
100-41-4	Ethylbenzene	761	50	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
108-88-3	Toluene	3420	50	25	ug/l	
1330-20-7	Xylenes (total)	2490	150	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	92%		74-127%
98-08-8	aaa-Trifluorotoluene	96%		73-135%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F19844-2	**Date Sampled:**	09/29/03
Matrix:	AQ - Ground Water	**Date Received:**	10/01/03
Method:	EPA 610 EPA 610	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	IJ18525.D	1	10/06/03	SD	10/06/03	OP8720	GIJ888
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	2.0	ug/l	
120-12-7	Anthracene	ND	5.0	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	2.0	ug/l	
218-01-9	Chrysene	ND	5.0	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	2.0	ug/l	
86-73-7	Fluorene	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
91-20-3	Naphthalene	15.5	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	2.0	ug/l	
129-00-0	Pyrene	ND	5.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	64%		41-139%
84-15-1	o-Terphenyl	76%		46-135%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F19844-3	**Date Sampled:**	09/29/03
Matrix:	AQ - Ground Water	**Date Received:**	10/01/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF030772.D	1	10/07/03	CV	n/a	n/a	GEF1121
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	84%		74-127%
98-08-8	aaa-Trifluorotoluene	92%		73-135%

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

Report of Analysis

Client Sample ID: UST645-MW21
Lab Sample ID: F19844-3
Matrix: AQ - Ground Water
Method: EPA 610 EPA 610
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/29/03
Date Received: 10/01/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ18527.D	1	10/07/03	SD	10/06/03	OP8720	GIJ888
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	2.0	ug/l	
120-12-7	Anthracene	ND	5.1	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	2.0	ug/l	
218-01-9	Chrysene	ND	5.1	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.1	2.0	ug/l	
86-73-7	Fluorene	ND	5.1	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
91-20-3	Naphthalene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.1	2.0	ug/l	
129-00-0	Pyrene	ND	5.1	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	77%		41-139%
84-15-1	o-Terphenyl	80%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F19844-4	**Date Sampled:**	09/29/03
Matrix:	AQ - Ground Water	**Date Received:**	10/01/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF030773.D	1	10/07/03	CV	n/a	n/a	GEF1121
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	5.7	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	42.9	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	88%		74-127%
98-08-8	aaa-Trifluorotoluene	97%		73-135%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID: UST645-MW22
Lab Sample ID: F19844-4
Matrix: AQ - Ground Water
Method: EPA 610 EPA 610
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/29/03
Date Received: 10/01/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ18530.D	1	10/07/03	SD	10/06/03	OP8720	GIJ888
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	2.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	2.0	ug/l	
120-12-7	Anthracene	ND	5.1	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	2.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	2.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	2.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	2.0	ug/l	
218-01-9	Chrysene	ND	5.1	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.1	2.0	ug/l	
86-73-7	Fluorene	ND	5.1	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
91-20-3	Naphthalene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.1	2.0	ug/l	
129-00-0	Pyrene	ND	5.1	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	64%		41-139%
84-15-1	o-Terphenyl	80%		46-135%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

COC Number: 844271-645-093003

CHAIN-OF-CUSTODY RECORD

F19844

Engineering & Environment Inc. - Piney Green Rd. Lot 203 - 910-539-5606

Receiving LAB: Accutest

Project Name	Project Location		
CAMP LEJEUNE - Bldg 645	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
	Bill Morris		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Mike Slade		

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Voc 602+MTBE	PAH 610	Analysis Desired
1	UST645-MW15	9/29/03	0945		X	MW-15	5	X	X	
2	UST645-MW18	9/29/03	1245		X	MW-18	5	X	X	
3	UST645-MW21	9/29/03	1100		X	MW-21	5	X	X	
4	UST645-MW22	9/29/03	1130		X	MW-22	5	X	X	
5										
6										
7										
8										
9										
10										

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1 -- 4	[signature]	FedEx 8369 1400 3069	9/30/03	16:00	
2		FedEX	Myra Mohammed	10/1/03	0900	3.2, 4.0, 1.8, 2.8.
3						

F19844: Chain of Custody
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ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F19844

Client: Shaw **Project:** Camp Lejeune-Bldg. 45

Date Received: 10/1/03 **Time Received:** 0900

# of Coolers Received: 4 **Cooler Temperatures:** 3.2, 4.0, 1.8, 2.8

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

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	Yes	(No)	
Trip Blank on COC ?	Yes	(No)	
Trip Blank Intact ?	Yes	No	(N/A)
Trip Blank Matrix ?	Soil	Water	(N/A)
Number of Encores ?	(0)		
Number of Soil Field Kits ?	(0)		

Summary of Comments:

Signature: Muna Mohammed **Date:** 10/1/03

ASBD/HW 05/11/03

F19844: Chain of Custody
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GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF1121-MB	EF030759.D	1	10/07/03	CV	n/a	n/a	GEF1121

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19844-1, F19844-3, F19844-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	83%	74-127%
98-08-8	aaa-Trifluorotoluene	90%	73-135%

Method Blank Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF1123-MB	EF030817.D	1	10/08/03	CV	n/a	n/a	GEF1123

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19844-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	85%	74-127%
98-08-8	aaa-Trifluorotoluene	91%	73-135%

Blank Spike Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF1121-BS	EF030758.D	1	10/07/03	CV	n/a	n/a	GEF1121

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19844-1, F19844-3, F19844-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	21.0	105	88-121
108-90-7	Chlorobenzene	20	19.4	97	87-120
95-50-1	1,2-Dichlorobenzene	20	18.6	93	81-119
541-73-1	1,3-Dichlorobenzene	20	19.9	100	82-120
106-46-7	1,4-Dichlorobenzene	20	19.6	98	81-120
100-41-4	Ethylbenzene	20	19.9	100	86-125
1634-04-4	Methyl Tert Butyl Ether	20	18.0	90	80-117
108-88-3	Toluene	20	20.2	101	89-123
1330-20-7	Xylenes (total)	60	60.5	101	89-124

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	100%	74-127%
98-08-8	aaa-Trifluorotoluene	100%	73-135%

Blank Spike Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF1123-BS	EF030816.D	1	10/08/03	CV	n/a	n/a	GEF1123

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19844-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.4	102	88-121
108-90-7	Chlorobenzene	20	18.8	94	87-120
95-50-1	1,2-Dichlorobenzene	20	18.0	90	81-119
541-73-1	1,3-Dichlorobenzene	20	19.2	96	82-120
106-46-7	1,4-Dichlorobenzene	20	18.9	95	81-120
100-41-4	Ethylbenzene	20	19.5	98	86-125
1634-04-4	Methyl Tert Butyl Ether	20	17.1	86	80-117
108-88-3	Toluene	20	21.0	105	89-123
1330-20-7	Xylenes (total)	60	59.9	100	89-124

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%	74-127%
98-08-8	aaa-Trifluorotoluene	95%	73-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F19836-1MS	EF030762.D	1	10/07/03	CV	n/a	n/a	GEF1121
F19836-1MSD	EF030763.D	1	10/07/03	CV	n/a	n/a	GEF1121
F19836-1 [a]	EF030761.D	1	10/07/03	CV	n/a	n/a	GEF1121

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19844-1, F19844-3, F19844-4

CAS No.	Compound	F19836-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.5	103	19.7	99	4	77-127/9
108-90-7	Chlorobenzene	ND		20	19.0	95	18.3	92	4	82-122/10
95-50-1	1,2-Dichlorobenzene	ND		20	18.0	90	18.1	91	1	69-133/13
541-73-1	1,3-Dichlorobenzene	ND		20	19.4	97	18.9	95	3	77-123/13
106-46-7	1,4-Dichlorobenzene	ND		20	19.1	96	18.7	94	2	73-127/13
100-41-4	Ethylbenzene	ND		20	19.5	98	18.6	93	5	68-136/11
1634-04-4	Methyl Tert Butyl Ether	4.3		20	22.5	91	22.7	92	1	71-124/14
108-88-3	Toluene	ND		20	20.0	100	19.1	96	5	78-128/9
1330-20-7	Xylenes (total)	ND		60	59.5	99	56.7	95	5	71-136/11

CAS No.	Surrogate Recoveries	MS	MSD	F19836-1	Limits
352-33-0	1-Chloro-4-fluorobenzene	97%	98%	86%	74-127%
98-08-8	aaa-Trifluorotoluene	99%	99%	92%	73-135%

(a) All hits confirmed by dual column analysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F19843-14MS	EF030835.D	1	10/08/03	CV	n/a	n/a	GEF1123
F19843-14MSD	EF030836.D	1	10/08/03	CV	n/a	n/a	GEF1123
F19843-14	EF030834.D	1	10/08/03	CV	n/a	n/a	GEF1123

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19844-2

CAS No.	Compound	F19843-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.0	100	20.0	100	0	77-127/9
108-90-7	Chlorobenzene	ND		20	18.8	94	18.6	93	1	82-122/10
95-50-1	1,2-Dichlorobenzene	ND		20	18.0	90	18.0	90	0	69-133/13
541-73-1	1,3-Dichlorobenzene	ND		20	19.0	95	19.0	95	0	77-123/13
106-46-7	1,4-Dichlorobenzene	ND		20	18.5	93	18.6	93	1	73-127/13
100-41-4	Ethylbenzene	ND		20	19.1	96	19.1	96	0	68-136/11
1634-04-4	Methyl Tert Butyl Ether	ND		20	18.1	91	18.2	91	1	71-124/14
108-88-3	Toluene	ND		20	19.6	98	19.7	99	1	78-128/9
1330-20-7	Xylenes (total)	ND		60	58.5	98	58.4	97	0	71-136/11

CAS No.	Surrogate Recoveries	MS	MSD	F19843-14	Limits
352-33-0	1-Chloro-4-fluorobenzene	89%	95%	82%	74-127%
98-08-8	aaa-Trifluorotoluene	90%	95%	88%	73-135%

Duplicate Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F19836-5DUP	EF030770.D	1	10/07/03	CV	n/a	n/a	GEF1121
F19836-5	EF030769.D	1	10/07/03	CV	n/a	n/a	GEF1121

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19844-1, F19844-3, F19844-4

CAS No.	Compound	F19836-5 ug/l	Q	DUP ug/l	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	
108-90-7	Chlorobenzene	ND		ND		nc	
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	
100-41-4	Ethylbenzene	ND		ND		nc	
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	
108-88-3	Toluene	ND		ND		nc	
1330-20-7	Xylenes (total)	ND		ND		nc	

CAS No.	Surrogate Recoveries	DUP	F19836-5	Limits
352-33-0	1-Chloro-4-fluorobenzene	84%	89%	74-127%
98-08-8	aaa-Trifluorotoluene	93%	94%	73-135%

Duplicate Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F19843-6DUP	EF030839.D	1	10/08/03	CV	n/a	n/a	GEF1123
F19843-6	EF030838.D	1	10/08/03	CV	n/a	n/a	GEF1123

The QC reported here applies to the following samples: **Method:** EPA 601/602

F19844-2

CAS No.	Compound	F19843-6 ug/l	Q	DUP ug/l	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	
108-90-7	Chlorobenzene	ND		ND		nc	
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	
100-41-4	Ethylbenzene	ND		ND		nc	
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	
108-88-3	Toluene	ND		ND		nc	
1330-20-7	Xylenes (total)	ND		ND		nc	

CAS No.	Surrogate Recoveries	DUP	F19843-6	Limits
352-33-0	1-Chloro-4-fluorobenzene	84%	84%	74-127%
98-08-8	aaa-Trifluorotoluene	90%	92%	73-135%

Volatile Surrogate Recovery Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F19844-1	EF030771.D	87.0	95.0
F19844-2	EF030829.D	92.0	96.0
F19844-3	EF030772.D	84.0	92.0
F19844-4	EF030773.D	88.0	97.0
F19836-1MS	EF030762.D	97.0	99.0
F19836-1MSD	EF030763.D	98.0	99.0
F19836-5DUP	EF030770.D	84.0	93.0
F19843-14MS	EF030835.D	89.0	90.0
F19843-14MSD	EF030836.D	95.0	95.0
F19843-6DUP	EF030839.D	84.0	90.0
GEF1121-BS	EF030758.D	100.0	100.0
GEF1121-MB	EF030759.D	83.0	90.0
GEF1123-BS	EF030816.D	95.0	95.0
GEF1123-MB	EF030817.D	85.0	91.0

Surrogate Compounds	Recovery Limits
S1 = 1-Chloro-4-fluorobenzene	74-127%
S2 = aaa-Trifluorotoluene	73-135%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF1121-CC1115	**Injection Date:**	10/07/03
Lab File ID:	EF030757.D	**Injection Time:**	08:09
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.51	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF1121-BS	EF030758.D	10/07/03	08:45	8.51	5.45
GEF1121-MB	EF030759.D	10/07/03	09:09	8.51	5.45
ZZZZZZ	EF030760.D	10/07/03	10:18	8.51	5.45
F19836-1	EF030761.D	10/07/03	11:04	8.51	5.45
F19836-1MS	EF030762.D	10/07/03	11:31	8.51	5.45
F19836-1MSD	EF030763.D	10/07/03	11:56	8.51	5.45
ZZZZZZ	EF030764.D	10/07/03	12:20	8.51	5.45
ZZZZZZ	EF030766.D	10/07/03	13:09	8.51	5.45
ZZZZZZ	EF030767.D	10/07/03	13:34	8.51	5.45

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF1121-CC1115	**Injection Date:**	10/07/03
Lab File ID:	EF030768.D	**Injection Time:**	14:11
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.51	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F19836-5	EF030769.D	10/07/03	14:47	8.51	5.45
F19836-5DUP	EF030770.D	10/07/03	15:11	8.51	5.45
F19844-1	EF030771.D	10/07/03	15:36	8.51	5.45
F19844-3	EF030772.D	10/07/03	16:01	8.51	5.45
F19844-4	EF030773.D	10/07/03	16:27	8.51	5.45
ZZZZZZ	EF030774.D	10/07/03	16:52	8.51	5.45
ZZZZZZ	EF030775.D	10/07/03	17:17	8.51	5.45
ZZZZZZ	EF030776.D	10/07/03	17:43	8.51	5.45
ZZZZZZ	EF030777.D	10/07/03	18:09	8.51	5.45
ZZZZZZ	EF030778.D	10/07/03	18:34	8.51	5.45

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF1123-CC1115	**Injection Date:**	10/08/03
Lab File ID:	EF030815.D	**Injection Time:**	10:13
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.51	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF1123-BS	EF030816.D	10/08/03	10:51	8.51	5.45
GEF1123-MB	EF030817.D	10/08/03	11:15	8.51	5.45
ZZZZZZ	EF030818.D	10/08/03	11:39	8.51	5.45
ZZZZZZ	EF030819.D	10/08/03	12:03	8.51	5.45
ZZZZZZ	EF030820.D	10/08/03	12:28	8.51	5.45
ZZZZZZ	EF030821.D	10/08/03	12:52	8.51	5.45
ZZZZZZ	EF030822.D	10/08/03	13:16	8.51	5.45
ZZZZZZ	EF030823.D	10/08/03	13:40	8.51	5.46
ZZZZZZ	EF030824.D	10/08/03	14:05	8.51	5.45
ZZZZZZ	EF030825.D	10/08/03	14:30	8.51	5.45

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF1123-CC1115	**Injection Date:**	10/08/03
Lab File ID:	EF030826.D	**Injection Time:**	14:54
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	8.68	8.51	5.64	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	EF030828.D	10/08/03	15:56		8.51		5.45
F19844-2	EF030829.D	10/08/03	16:23		8.51		5.45
ZZZZZZ	EF030830.D	10/08/03	16:51		8.51		5.45
ZZZZZZ	EF030831.D	10/08/03	17:18	8.68		5.63	
ZZZZZZ	EF030832.D	10/08/03	17:47		8.51		5.45
ZZZZZZ	EF030833.D	10/08/03	18:12		8.51		5.45
F19843-14	EF030834.D	10/08/03	18:36		8.51		5.45
F19843-14MS	EF030835.D	10/08/03	19:00		8.51		5.45
F19843-14MSD	EF030836.D	10/08/03	19:25		8.51		5.45

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF1123-CC1115	**Injection Date:**	10/08/03
Lab File ID:	EF030837.D	**Injection Time:**	19:49
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.51	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F19843-6	EF030838.D	10/08/03	20:14	8.51	5.45
F19843-6DUP	EF030839.D	10/08/03	20:38	8.51	5.45
ZZZZZZ	EF030840.D	10/08/03	21:03	8.51	5.45
ZZZZZZ	EF030841.D	10/08/03	21:27	8.51	5.46
ZZZZZZ	EF030842.D	10/08/03	21:51	8.52	5.46

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1115-ICC1115
Lab FileID: EF030588.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 04 08:01:10 2003
Response via : Initial Calibration

Calibration Files
1 =EF030586.D 2 =EF030587.D 3 =EF030588.D
4 =EF030589.D 5 =EF030590.D 6 =EF030591.D

	Compound	1	2	3	4	5	6	Avg		%RSD
1)	Methyl tert Butyl E		7.314	6.491	6.487	6.505	6.372	6.634	E2	5.79
2)	Di-Isopropyl ether	0.845	1.155	1.058	1.044	1.037	1.026	1.027	E3	9.83
3)	Benzene	1.975	2.546	2.389	2.328	2.342	2.343	2.321	E3	8.07
4) S	a,a,a-TFT(S)	6.790	6.891	6.979	7.090	7.440	7.269	7.076	E2	3.44
5)	Toluene	1.895	2.194	2.074	2.040	2.048	2.054	2.051	E3	4.65
6) S	1-Chloro-4-Fluorobe	0.988	1.013	1.046	1.076	1.133	1.094	1.058	E3	5.07
7)	Chlorobenzene		2.370	2.073	2.016	2.031	2.031	2.104	E3	7.12
8)	Ethylbenzene		2.023	1.804	1.751	1.750	1.747	1.815	E3	6.53
9)	m,p-Xylene	1.785	2.072	1.927	1.890	1.881	1.884	1.907	E3	4.92
10)	o-Xylene	1.549	1.859	1.721	1.689	1.704	1.683	1.701	E3	5.81
11)	1,3-Dichlorobenzene	1.471	1.583	1.475	1.491	1.532	1.517	1.511	E3	2.79
12)	1,4-Dichlorobenzene	1.573	1.670	1.541	1.568	1.601	1.581	1.589	E3	2.78
13)	1,2-Dichlorobenzene	1.308	1.236	1.134	1.157	1.173	1.149	1.193	E3	5.60

Signal #2

1)	Methyl tert Butyl E		1.837	1.638	1.652	1.614	1.555	1.659	E3	6.39
2)	Di-Isopropyl ether		2.857	2.630	2.598	2.554	2.498	2.627	E3	5.22
3)	Benzene	4.846	6.401	6.040	5.867	5.806	5.820	5.797	E3	8.91
4) S	a,a,a-TFT(S)	1.654	1.685	1.721	1.774	1.815	1.745	1.732	E3	3.41
5)	Toluene	4.558	5.490	5.225	5.119	5.102	5.117	5.102	E3	5.96
6) S	1-Chloro-4-Fluorobe	2.409	2.494	2.671	2.769	2.812	2.700	2.642	E3	5.99
7)	Chlorobenzene		6.373	5.359	5.159	5.237	5.120	5.450	E3	9.62
8)	Ethylbenzene	4.472	5.030	4.632	4.523	4.463	4.452	4.595	E3	4.85
9)	m,p-Xylene	4.607	5.368	4.976	4.895	4.889	4.850	4.931	E3	5.03
10)	o-Xylene	3.698	4.576	4.267	4.201	4.156	4.129	4.171	E3	6.78
11)	1,3-Dichlorobenzene	3.598	3.930	3.711	3.736	3.794	3.713	3.747	E3	2.94
12)	1,4-Dichlorobenzene	3.737	4.034	3.756	3.773	3.858	3.838	3.833	E3	2.85
13)	1,2-Dichlorobenzene	3.105	3.138	2.871	2.931	2.962	2.896	2.984	E3	3.74

(#) = Out of Range

DUAL1002.M Fri Oct 03 09:26:35 2003 EF

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1121-CC1115
Lab FileID: EF030757.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100703\EF030757.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\100703\EF030757.D\FID2B.CH
Acq On : 7 Oct 2003 8:09 am Operator: ClaireV
Sample : CC1115-40 Inst : VOA1
Misc : gc2840,gef1121,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	35.971	10.1	92	0.02
2		Di-Isopropyl ether	40.000	39.617	1.0	97	0.02
3		Benzene	40.000	40.047	-0.1	100	0.02
4	S	a,a,a-TFT(S)	20.000	19.374	3.1	97	0.02
5		Toluene	40.000	39.959	0.1	100	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.241	3.8	95	0.03
7		Chlorobenzene	40.000	38.310	4.2	100	0.03
8		Ethylbenzene	40.000	38.665	3.3	100	0.03
9		m,p-Xylene	80.000	78.636	1.7	99	0.03
10		o-Xylene	40.000	39.508	1.2	99	0.04
11		1,3-Dichlorobenzene	40.000	39.602	1.0	100	0.03
12		1,4-Dichlorobenzene	40.000	38.989	2.5	99	0.03
13		1,2-Dichlorobenzene	40.000	37.735	5.7	97	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	36.722	8.2	92	0.01
2		Di-Isopropyl ether	40.000	38.434	3.9	97	0.01
3		Benzene	40.000	40.278	-0.7	99	0.01
4	S	a,a,a-TFT(S)	20.000	19.502	2.5	95	0.02
5		Toluene	40.000	40.135	-0.3	100	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.480	2.6	93	0.02
7		Chlorobenzene	40.000	37.805	5.5	100	0.03
8		Ethylbenzene	40.000	39.207	2.0	100	0.03
9		m,p-Xylene	80.000	79.195	1.0	100	0.03
10		o-Xylene	40.000	40.054	-0.1	99	0.03
11		1,3-Dichlorobenzene	40.000	39.652	0.9	99	0.03
12		1,4-Dichlorobenzene	40.000	39.102	2.2	99	0.03
13		1,2-Dichlorobenzene	40.000	38.874	2.8	99	0.03

Average % D = 2.7

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030589.D DUAL1002.M Wed Oct 08 10:15:52 2003 EF

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1121-CC1115
Lab FileID: EF030768.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100703\EF030768.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\100703\EF030768.D\FID2B.CH
Acq On : 7 Oct 2003 2:11 pm Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2848,gef1121,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.284	3.6	99	0.01
2		Di-Isopropyl ether	20.000	20.014	-0.1	97	0.01
3		Benzene	20.000	19.706	1.5	96	0.02
4	S	a,a,a-TFT(S)	20.000	19.360	3.2	98	0.02
5		Toluene	20.000	19.326	3.4	96	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.300	3.5	98	0.02
7		Chlorobenzene	20.000	19.028	4.9	97	0.03
8		Ethylbenzene	20.000	18.948	5.3	95	0.03
9		m,p-Xylene	40.000	38.459	3.9	95	0.03
10		o-Xylene	20.000	19.484	2.6	96	0.03
11		1,3-Dichlorobenzene	20.000	18.973	5.1	97	0.03
12		1,4-Dichlorobenzene	20.000	19.012	4.9	98	0.03
13		1,2-Dichlorobenzene	20.000	18.339	8.3	96	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.513	2.4	99	0.00
2		Di-Isopropyl ether	20.000	19.511	2.4	97	0.01
3		Benzene	20.000	19.970	0.2	96	0.01
4	S	a,a,a-TFT(S)	20.000	19.558	2.2	98	0.02
5		Toluene	20.000	19.486	2.6	95	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.492	2.5	96	0.02
7		Chlorobenzene	20.000	18.906	5.5	96	0.02
8		Ethylbenzene	20.000	19.335	3.3	96	0.02
9		m,p-Xylene	40.000	38.760	3.1	96	0.02
10		o-Xylene	20.000	19.621	1.9	96	0.02
11		1,3-Dichlorobenzene	20.000	19.299	3.5	97	0.02
12		1,4-Dichlorobenzene	20.000	19.022	4.9	97	0.02
13		1,2-Dichlorobenzene	20.000	18.699	6.5	97	0.02

Average % D = 3.5

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Wed Oct 08 10:16:29 2003 EF

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1121-CC1115
Lab FileID: EF030779.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100703\EF030779.D\FID1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\100703\EF030779.D\FID2B.CH
Acq On : 7 Oct 2003 7:00 pm Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2848,gef1121,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.999	5.0	97	0.01
2		Di-Isopropyl ether	20.000	19.795	1.0	96	0.01
3		Benzene	20.000	19.283	3.6	94	0.02
4	S	a,a,a-TFT(S)	20.000	19.277	3.6	98	0.02
5		Toluene	20.000	18.967	5.2	94	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.933	5.3	96	0.03
7		Chlorobenzene	20.000	18.553	7.2	94	0.03
8		Ethylbenzene	20.000	18.486	7.6	93	0.03
9		m,p-Xylene	40.000	37.302	6.7	92	0.03
10		o-Xylene	20.000	18.972	5.1	94	0.03
11		1,3-Dichlorobenzene	20.000	18.388	8.1	94	0.02
12		1,4-Dichlorobenzene	20.000	18.373	8.1	95	0.02
13		1,2-Dichlorobenzene	20.000	17.940	10.3	94	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.376	3.1	98	0.01
2		Di-Isopropyl ether	20.000	19.316	3.4	97	0.01
3		Benzene	20.000	19.537	2.3	94	0.02
4	S	a,a,a-TFT(S)	20.000	19.569	2.2	99	0.02
5		Toluene	20.000	19.226	3.9	94	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.167	4.2	95	0.02
7		Chlorobenzene	20.000	18.494	7.5	94	0.03
8		Ethylbenzene	20.000	18.710	6.4	93	0.03
9		m,p-Xylene	40.000	37.459	6.4	93	0.03
10		o-Xylene	20.000	19.248	3.8	94	0.03
11		1,3-Dichlorobenzene	20.000	18.693	6.5	94	0.02
12		1,4-Dichlorobenzene	20.000	18.467	7.7	94	0.02
13		1,2-Dichlorobenzene	20.000	18.343	8.3	95	0.02

Average % D = 5.5

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Wed Oct 08 10:16:30 2003 EF

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1123-CC1115
Lab FileID: EF030815.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100803\EF030815.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\100803\EF030815.D\FID2B.CH
Acq On : 8 Oct 2003 10:13 am Operator: ClaireV
Sample : CC1115-40 Inst : VOA1
Misc : gc2845,gef1123,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	36.892	7.8	94	0.02
2		Di-Isopropyl ether	40.000	38.129	4.7	94	0.02
3		Benzene	40.000	37.817	5.5	94	0.02
4	S	a,a,a-TFT(S)	20.000	18.519	7.4	92	0.03
5		Toluene	40.000	38.398	4.0	97	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.327	8.4	90	0.03
7		Chlorobenzene	40.000	35.904	10.2	94	0.04
8		Ethylbenzene	40.000	36.463	8.8	94	0.04
9		m,p-Xylene	80.000	76.018	5.0	96	0.04
10		o-Xylene	40.000	37.755	5.6	95	0.04
11		1,3-Dichlorobenzene	40.000	37.430	6.4	95	0.04
12		1,4-Dichlorobenzene	40.000	37.031	7.4	94	0.04
13		1,2-Dichlorobenzene	40.000	35.808	10.5	92	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	38.316	4.2	96	0.01
2		Di-Isopropyl ether	40.000	38.563	3.6	97	0.01
3		Benzene	40.000	40.106	-0.3	99	0.02
4	S	a,a,a-TFT(S)	20.000	19.540	2.3	95	0.02
5		Toluene	40.000	40.279	-0.7	100	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.245	3.8	92	0.03
7		Chlorobenzene	40.000	37.348	6.6	99	0.03
8		Ethylbenzene	40.000	39.067	2.3	99	0.03
9		m,p-Xylene	80.000	80.052	-0.1	101	0.03
10		o-Xylene	40.000	39.745	0.6	99	0.03
11		1,3-Dichlorobenzene	40.000	39.151	2.1	98	0.03
12		1,4-Dichlorobenzene	40.000	38.958	2.6	99	0.03
13		1,2-Dichlorobenzene	40.000	37.787	5.5	96	0.03

Average % D = 4.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030589.D DUAL1002.M Thu Oct 09 08:58:34 2003 EF

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1123-CC1115
Lab FileID: EF030826.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100803\EF030826.D\FID1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\100803\EF030826.D\FID2B.CH
Acq On : 8 Oct 2003 2:54 pm Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2848,gef1123,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.249	3.8	98	0.01
2		Di-Isopropyl ether	20.000	19.662	1.7	95	0.02
3		Benzene	20.000	19.087	4.6	93	0.02
4	S	a,a,a-TFT(S)	20.000	18.946	5.3	96	0.02
5		Toluene	20.000	19.115	4.4	95	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.455	7.7	93	0.03
7		Chlorobenzene	20.000	18.220	8.9	92	0.03
8		Ethylbenzene	20.000	18.309	8.5	92	0.03
9		m,p-Xylene	40.000	36.711	8.2	91	0.03
10		o-Xylene	20.000	18.700	6.5	92	0.03
11		1,3-Dichlorobenzene	20.000	18.269	8.7	94	0.03
12		1,4-Dichlorobenzene	20.000	18.306	8.5	94	0.03
13		1,2-Dichlorobenzene	20.000	17.781	11.1	93	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.300	3.5	98	0.01
2		Di-Isopropyl ether	20.000	19.186	4.1	96	0.01
3		Benzene	20.000	19.528	2.4	94	0.02
4	S	a,a,a-TFT(S)	20.000	19.222	3.9	97	0.02
5		Toluene	20.000	19.671	1.6	96	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.775	6.1	93	0.02
7		Chlorobenzene	20.000	18.476	7.6	94	0.03
8		Ethylbenzene	20.000	18.867	5.7	94	0.03
9		m,p-Xylene	40.000	38.004	5.0	94	0.03
10		o-Xylene	20.000	19.351	3.2	95	0.03
11		1,3-Dichlorobenzene	20.000	18.838	5.8	95	0.03
12		1,4-Dichlorobenzene	20.000	18.624	6.9	95	0.03
13		1,2-Dichlorobenzene	20.000	18.316	8.4	95	0.03

Average % D = 5.8

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Thu Oct 09 09:00:33 2003 EF

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1123-CC1115
Lab FileID: EF030837.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100803\EF030837.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\100803\EF030837.D\FID2B.CH
Acq On : 8 Oct 2003 7:49 pm Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2849,gef1123,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.487	2.6	100	0.01
2		Di-Isopropyl ether	20.000	19.634	1.8	95	0.01
3		Benzene	20.000	18.960	5.2	92	0.02
4	S	a,a,a-TFT(S)	20.000	18.874	5.6	96	0.02
5		Toluene	20.000	18.795	6.0	93	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.617	6.9	94	0.03
7		Chlorobenzene	20.000	18.310	8.5	93	0.03
8		Ethylbenzene	20.000	18.312	8.4	92	0.03
9		m,p-Xylene	40.000	36.988	7.5	91	0.03
10		o-Xylene	20.000	18.847	5.8	93	0.03
11		1,3-Dichlorobenzene	20.000	18.504	7.5	95	0.03
12		1,4-Dichlorobenzene	20.000	18.500	7.5	95	0.03
13		1,2-Dichlorobenzene	20.000	18.183	9.1	96	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.676	1.6	100	0.01
2		Di-Isopropyl ether	20.000	19.254	3.7	96	0.01
3		Benzene	20.000	19.391	3.0	93	0.02
4	S	a,a,a-TFT(S)	20.000	19.237	3.8	97	0.02
5		Toluene	20.000	19.257	3.7	94	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.047	4.8	94	0.02
7		Chlorobenzene	20.000	18.622	6.9	95	0.02
8		Ethylbenzene	20.000	18.974	5.1	94	0.02
9		m,p-Xylene	40.000	37.938	5.2	94	0.02
10		o-Xylene	20.000	19.319	3.4	94	0.03
11		1,3-Dichlorobenzene	20.000	18.951	5.2	96	0.03
12		1,4-Dichlorobenzene	20.000	18.803	6.0	96	0.03
13		1,2-Dichlorobenzene	20.000	18.539	7.3	96	0.03

Average % D = 5.5

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Thu Oct 09 09:00:34 2003 EF

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF1123-CC1115
Lab FileID: EF030843.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100803\EF030843.D\FID1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA\100803\EF030843.D\FID2B.CH
Acq On : 8 Oct 2003 10:16 pm Operator: ClaireV
Sample : cc1115-20 Inst : VOA1
Misc : gc2849,gef1123,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1002.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Oct 02 12:47:10 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.433	7.8	94	0.01
2		Di-Isopropyl ether	20.000	19.134	4.3	93	0.02
3		Benzene	20.000	18.852	5.7	92	0.02
4	S	a,a,a-TFT(S)	20.000	18.353	8.2	93	0.03
5		Toluene	20.000	18.703	6.5	92	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.065	9.7	91	0.03
7		Chlorobenzene	20.000	18.164	9.2	92	0.03
8		Ethylbenzene	20.000	18.278	8.6	92	0.03
9		m,p-Xylene	40.000	36.772	8.1	91	0.03
10		o-Xylene	20.000	18.766	6.2	93	0.03
11		1,3-Dichlorobenzene	20.000	18.438	7.8	94	0.03
12		1,4-Dichlorobenzene	20.000	18.387	8.1	95	0.03
13		1,2-Dichlorobenzene	20.000	18.055	9.7	95	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.831	5.8	95	0.01
2		Di-Isopropyl ether	20.000	19.107	4.5	95	0.02
3		Benzene	20.000	19.588	2.1	94	0.02
4	S	a,a,a-TFT(S)	20.000	18.992	5.0	96	0.02
5		Toluene	20.000	19.271	3.6	94	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.729	6.4	93	0.02
7		Chlorobenzene	20.000	18.749	6.3	95	0.02
8		Ethylbenzene	20.000	18.879	5.6	94	0.02
9		m,p-Xylene	40.000	38.069	4.8	94	0.03
10		o-Xylene	20.000	19.519	2.4	95	0.03
11		1,3-Dichlorobenzene	20.000	19.076	4.6	96	0.03
12		1,4-Dichlorobenzene	20.000	19.118	4.4	98	0.03
13		1,2-Dichlorobenzene	20.000	18.636	6.8	97	0.03

Average % D = 6.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF030588.D DUAL1002.M Thu Oct 09 09:00:35 2003 EF

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8720-MB	IJ18508.D	1	10/06/03	SD	10/06/03	OP8720	GIJ888

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

F19844-1, F19844-2, F19844-3, F19844-4

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

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	44%	41-139%
84-15-1	o-Terphenyl	74%	46-135%

Method Blank Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8720-MB	IJ18536.D	1	10/07/03	SD	10/06/03	OP8720	GIJ889

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

F19844-1, F19844-2, F19844-3, F19844-4

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

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	43%	41-139%
84-15-1	o-Terphenyl	75%	46-135%

Blank Spike Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8720-BS	IJ18507.D	1	10/06/03	SD	10/06/03	OP8720	GIJ888

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

F19844-1, F19844-2, F19844-3, F19844-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	25	21.5	86	59-114
208-96-8	Acenaphthylene	25	19.0	76	58-109
120-12-7	Anthracene	25	21.7	87	63-110
56-55-3	Benzo(a)anthracene	25	20.8	83	74-111
50-32-8	Benzo(a)pyrene	25	20.3	81	71-110
205-99-2	Benzo(b)fluoranthene	25	21.0	84	75-112
191-24-2	Benzo(g,h,i)perylene	25	21.2	85	66-114
207-08-9	Benzo(k)fluoranthene	25	20.5	82	73-111
218-01-9	Chrysene	25	21.1	84	73-112
53-70-3	Dibenzo(a,h)anthracene	25	20.6	82	67-111
206-44-0	Fluoranthene	25	21.7	87	74-113
86-73-7	Fluorene	25	20.7	83	67-113
193-39-5	Indeno(1,2,3-cd)pyrene	25	20.2	81	68-115
91-20-3	Naphthalene	25	19.9	80	52-113
90-12-0	1-Methylnaphthalene	25	21.5	86	55-117
91-57-6	2-Methylnaphthalene	25	19.4	78	50-115
85-01-8	Phenanthrene	25	21.2	85	70-111
129-00-0	Pyrene	25	21.7	87	73-115

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	78%	41-139%
84-15-1	o-Terphenyl	83%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8720-MS	IJ18528.D	1	10/07/03	SD	10/06/03	OP8720	GIJ888
OP8720-MSD	IJ18529.D	1	10/07/03	SD	10/06/03	OP8720	GIJ888
F19844-3	IJ18527.D	1	10/07/03	SD	10/06/03	OP8720	GIJ888

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

F19844-1, F19844-2, F19844-3, F19844-4

CAS No.	Compound	F19844-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		51	47.2	93	41.3	81	13	36-143/21
208-96-8	Acenaphthylene	ND		51	41.5	81	36.3	71	13	59-108/22
120-12-7	Anthracene	ND		51	47.5	93	42.9	84	10	61-113/22
56-55-3	Benzo(a)anthracene	ND		51	45.0	88	41.2	81	9	69-111/17
50-32-8	Benzo(a)pyrene	ND		51	44.2	87	41.1	81	7	71-109/22
205-99-2	Benzo(b)fluoranthene	ND		51	45.6	89	41.4	81	10	63-116/19
191-24-2	Benzo(g,h,i)perylene	ND		51	46.7	92	43.3	85	8	54-123/19
207-08-9	Benzo(k)fluoranthene	ND		51	44.7	88	42.1	83	6	66-114/16
218-01-9	Chrysene	ND		51	45.5	89	42.1	83	8	65-116/15
53-70-3	Dibenzo(a,h)anthracene	ND		51	45.8	90	42.4	83	8	52-130/24
206-44-0	Fluoranthene	ND		51	47.0	92	42.8	84	9	73-113/16
86-73-7	Fluorene	ND		51	45.3	89	40.1	79	12	63-114/20
193-39-5	Indeno(1,2,3-cd)pyrene	ND		51	44.8	88	41.2	81	8	43-133/24
91-20-3	Naphthalene	ND		51	42.1	83	37.7	74	11	40-130/27
90-12-0	1-Methylnaphthalene	ND		51	46.7	92	40.9	80	13	50-128/25
91-57-6	2-Methylnaphthalene	ND		51	41.8	82	36.7	72	13	32-148/26
85-01-8	Phenanthrene	ND		51	46.4	91	41.4	81	11	44-136/19
129-00-0	Pyrene	ND		51	47.0	92	42.7	84	10	71-116/16

CAS No.	Surrogate Recoveries	MS	MSD	F19844-3	Limits
321-60-8	2-Fluorobiphenyl	84%	73%	77%	41-139%
84-15-1	o-Terphenyl	88%	79%	80%	46-135%

Duplicate Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8720-DUP	IJ18515.D	1	10/06/03	SD	10/06/03	OP8720	GIJ888
F19843-6	IJ18514.D	1	10/06/03	SD	10/06/03	OP8720	GIJ888

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

F19844-1, F19844-2, F19844-3, F19844-4

CAS No.	Compound	F19843-6 ug/l	Q	DUP ug/l	Q	RPD	Limits
83-32-9	Acenaphthene	ND		ND		nc	
208-96-8	Acenaphthylene	ND		ND		nc	
120-12-7	Anthracene	ND		ND		nc	
56-55-3	Benzo(a)anthracene	ND		ND		nc	
50-32-8	Benzo(a)pyrene	ND		ND		nc	
205-99-2	Benzo(b)fluoranthene	ND		ND		nc	
191-24-2	Benzo(g,h,i)perylene	ND		ND		nc	
207-08-9	Benzo(k)fluoranthene	ND		ND		nc	
218-01-9	Chrysene	ND		ND		nc	
53-70-3	Dibenzo(a,h)anthracene	ND		ND		nc	
206-44-0	Fluoranthene	ND		ND		nc	
86-73-7	Fluorene	ND		ND		nc	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ND		nc	
91-20-3	Naphthalene	ND		ND		nc	
90-12-0	1-Methylnaphthalene	ND		ND		nc	
91-57-6	2-Methylnaphthalene	ND		ND		nc	
85-01-8	Phenanthrene	ND		ND		nc	
129-00-0	Pyrene	ND		ND		nc	

CAS No.	Surrogate Recoveries	DUP	F19843-6	Limits
321-60-8	2-Fluorobiphenyl	60%	55%	41-139%
84-15-1	o-Terphenyl	80%	78%	46-135%

Semivolatile Surrogate Recovery Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 610 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F19844-1	IJ18524.D	67.0	85.0
F19844-2	IJ18525.D	64.0	76.0
F19844-3	IJ18527.D	77.0	80.0
F19844-4	IJ18530.D	64.0	80.0
OP8720-BS	IJ18507.D	78.0	83.0
OP8720-DUP	IJ18515.D	60.0	80.0
OP8720-MB	IJ18508.D	44.0	74.0
OP8720-MB	IJ18536.D	43.0	75.0
OP8720-MS	IJ18528.D	84.0	88.0
OP8720-MSD	IJ18529.D	73.0	79.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorobiphenyl	41-139%
S2 = o-Terphenyl	46-135%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GIJ888-CC869	**Injection Date:**	10/06/03
Lab File ID:	IJ18506.D	**Injection Time:**	14:05
Instrument ID:	GCIJ	**Method:**	EPA 610

	S1 [a] RT	S2 [a] RT
Check Std	5.82	10.36

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP8720-BS	IJ18507.D	10/06/03	14:38	5.82	10.36
OP8720-MB	IJ18508.D	10/06/03	15:07	5.82	10.37
ZZZZZZ	IJ18509.D	10/06/03	15:36	5.82	10.37
ZZZZZZ	IJ18510.D	10/06/03	16:05	5.82	10.36
ZZZZZZ	IJ18511.D	10/06/03	16:34	5.82	10.36
ZZZZZZ	IJ18512.D	10/06/03	17:02	5.82	10.37
ZZZZZZ	IJ18513.D	10/06/03	17:31	5.82	10.37
F19843-6	IJ18514.D	10/06/03	18:00	5.82	10.37
OP8720-DUP	IJ18515.D	10/06/03	18:29	5.82	10.37
ZZZZZZ	IJ18516.D	10/06/03	18:58	5.83	10.37

Surrogate Compounds

S1 = 2-Fluorobiphenyl
S2 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GIJ888-CC869	**Injection Date:**	10/06/03
Lab File ID:	IJ18517.D	**Injection Time:**	19:26
Instrument ID:	GCIJ	**Method:**	EPA 610

	S1 [a] RT	S2 [a] RT
Check Std	5.82	10.37

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	IJ18518.D	10/06/03	19:55	5.82	10.38
ZZZZZZ	IJ18519.D	10/06/03	20:24	5.82	10.37
ZZZZZZ	IJ18520.D	10/06/03	20:52	5.82	10.36
ZZZZZZ	IJ18521.D	10/06/03	21:21	5.82	10.37
ZZZZZZ	IJ18522.D	10/06/03	21:49	5.82	10.36
ZZZZZZ	IJ18523.D	10/06/03	22:18	5.82	10.36
F19844-1	IJ18524.D	10/06/03	22:46	5.82	10.37
F19844-2	IJ18525.D	10/06/03	23:15	5.82	10.37

Surrogate Compounds

S1 = 2-Fluorobiphenyl
S2 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GIJ888-CC869
Lab File ID: IJ18526.D
Instrument ID: GCIJ

Injection Date: 10/06/03
Injection Time: 23:44
Method: EPA 610

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.82	6.50	10.37	11.61

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
F19844-3	IJ18527.D	10/07/03	00:12	5.82		10.37	
OP8720-MS	IJ18528.D	10/07/03	00:41	5.82		10.37	
OP8720-MSD	IJ18529.D	10/07/03	01:09	5.82		10.37	
F19844-4	IJ18530.D	10/07/03	01:38	5.82		10.37	
ZZZZZZ	IJ18531.D	10/07/03	02:06	5.82		10.38	
ZZZZZZ	IJ18533.D	10/07/03	03:03	5.82		10.37	
GIJ888-ECC869	IJ18534.D	10/07/03	03:32	5.82	6.50	10.37	11.61

Surrogate Compounds

S1 = 2-Fluorobiphenyl
S2 = o-Terphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GIJ889-CC869
Lab File ID: IJ18535.D
Instrument ID: GCIJ
Injection Date: 10/07/03
Injection Time: 11:09
Method: EPA 610

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.82	6.51	10.37	11.62

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP8720-MB	IJ18536.D	10/07/03	11:37	5.82		10.37	
ZZZZZZ	IJ18537.D	10/07/03	12:06	5.82		10.36	
GIJ889-ECC869	IJ18538.D	10/07/03	12:35	5.82	6.50	10.36	11.62

Surrogate Compounds

S1 = 2-Fluorobiphenyl
S2 = o-Terphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ869-ICC869
Lab FileID: IJ18163.D

Response Factor Report FID 1

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Thu Jul 31 12:50:14 2003
Response via : Initial Calibration

Calibration Files
5 =IJ18161.D 10 =IJ18162.D 20 =IJ18163.D
30 =IJ18164.D 40 =IJ18165.D 50 =IJ18166.D

	Compound	5	10	20	30	40	50	Avg		%RSD
1)	Naphthalene	1.766	1.641	1.534	1.709	1.540	1.605	1.633	E4	5.67
2)	2-Methyl Naphthalen	1.668	1.587	1.495	1.674	1.504	1.578	1.584	E4	4.84
3)	1-Methyl Naphthalen	1.573	1.492	1.409	1.575	1.419	1.487	1.493	E4	4.81
4) S	2-Fluorobiphenyl	1.422	1.317	1.297	1.469	1.330	1.398	1.372	E4	4.96
5)	Acenaphthylene	1.668	1.621	1.525	1.696	1.532	1.603	1.607	E4	4.31
6)	Acenaphthene	1.707	1.642	1.548	1.721	1.559	1.630	1.635	E4	4.42
7)	Fluorene	1.636	1.625	1.526	1.692	1.530	1.601	1.602	E4	4.02
8)	Phenanthrene	1.500	1.556	1.479	1.656	1.486	1.557	1.539	E4	4.32
9)	Anthracene	1.752	1.706	1.552	1.701	1.526	1.565	1.634	E4	5.92
10) S	O-Terphenyl	1.756	1.715	1.594	1.768	1.577	1.649	1.677	E4	4.89
11)	Fluoranthene	1.661	1.646	1.528	1.703	1.525	1.598	1.610	E4	4.53
12)	Pyrene	1.736	1.641	1.529	1.712	1.529	1.601	1.625	E4	5.44
13)	Benzo(a)Anthracene	1.580	1.576	1.500	1.698	1.520	1.589	1.577	E4	4.39
14)	Chrysene	1.822	1.714	1.568	1.746	1.553	1.616	1.670	E4	6.43
15)	Benzo(b)Fluoranthen	1.592	1.586	1.533	1.731	1.557	1.629	1.605	E4	4.36
16)	Benzo(k)Fluoranthen	1.956	1.785	1.611	1.785	1.584	1.642	1.727	E4	8.19
17)	Benzo(a) Pyrene	1.717	1.631	1.528	1.706	1.526	1.590	1.616	E4	5.17
18)	Indeno(1,2,3-cd)pyr	1.513	1.514	1.440	1.634	1.469	1.543	1.519	E4	4.43
19)	Dibenzo(a,h)anthrac	1.834	1.734	1.588	1.749	1.563	1.624	1.682	E4	6.33
20)	Benzo(g,h,i) Peryle	1.774	1.699	1.550	1.736	1.528	1.594	1.647	E4	6.25

Signal #2 Calibration Files
5 =IJ18161.D 10 =IJ18162.D 20 =IJ18163.D
30 =IJ18164.D 40 =IJ18165.D 50 =IJ18166.D

	Compound	5	10	20	30	40	50	Avg		%RSD
1)	Naphthalene	2.323	2.172	2.040	2.282	2.046	2.137	2.167	E4	5.44
2)	2-Methyl Naphthalen	2.083	2.012	1.918	2.187	1.973	2.067	2.040	E4	4.62
3)	1-Methyl Naphthalen	1.997	1.913	1.834	2.055	1.858	1.943	1.933	E4	4.32
4) S	2-Fluorobiphenyl	1.853	1.802	1.701	1.936	1.753	1.840	1.814	E4	4.52
5)	Acenaphthylene	2.185	2.140	2.013	2.242	2.034	2.128	2.124	E4	4.12
6)	Acenaphthene	2.226	2.180	2.038	2.272	2.055	2.150	2.153	E4	4.31
7)	Fluorene	2.058	2.058	1.987	2.216	2.007	2.104	2.072	E4	3.96
8)	Phenanthrene	1.769	1.895	1.852	2.125	1.903	2.012	1.926	E4	6.52
9)	Anthracene	2.387	2.301	1.996	2.196	1.973	2.055	2.152	E4	7.91
10) S	O-Terphenyl	2.300	2.262	2.109	2.344	2.091	2.191	2.216	E4	4.65
11)	Fluoranthene	2.124	2.126	1.983	2.227	1.993	2.105	2.093	E4	4.39
12)	Pyrene	2.269	2.238	2.081	2.300	2.051	2.150	2.181	E4	4.72
13)	Benzo(a)Anthracene	2.193	2.145	2.021	2.274	2.032	2.121	2.131	E4	4.53
14)	Chrysene	2.261	2.189	2.046	2.278	2.028	2.115	2.153	E4	4.96
15)	Benzo(b)Fluoranthen	2.162	2.098	2.012	2.271	2.055	2.153	2.125	E4	4.31
16)	Benzo(k)Fluoranthen	2.337	2.221	2.063	2.298	2.049	2.131	2.183	E4	5.56
17)	Benzo(a) Pyrene	2.228	2.120	2.001	2.255	2.016	2.098	2.120	E4	4.96
18)	Indeno(1,2,3-cd)pyr	2.018	2.015	1.944	2.230	2.015	2.130	2.059	E4	5.00
19)	Dibenzo(a,h)anthrac	2.350	2.214	2.028	2.220	1.978	2.045	2.139	E4	6.72
20)	Benzo(g,h,i) Peryle	2.190	2.119	1.986	2.225	1.996	2.085	2.100	E4	4.67

Initial Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ869-ICC869
Lab FileID: IJ18163.D

```
                                                                    Average  % RSD =   5.1
-------------------------------------------------------------------------------
(#) = Out of Range

          8100_H2.M         Mon Aug 04 09:38:20 2003
```

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ888-CC869
Lab FileID: IJ18506.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1006PAH\IJ18506.D\FID1B.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\1006PAH\IJ18506.D\FID2A.CH
Acq On : 6 Oct 2003 2:05 pm Operator: SARAHM
Sample : cc869-20 Inst : FID 1
Misc : op8720,gij888,1000,,,1,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Mon Oct 06 14:35:04 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	18.381	8.1	98	0.00
2		2-Methyl Naphthalene	20.000	18.405	8.0	97	0.00
3		1-Methyl Naphthalene	20.000	18.236	8.8	97	0.00
4	S	2-Fluorobiphenyl	20.000	17.904	10.5	95	0.00
5		Acenaphthylene	20.000	18.248	8.8	96	0.00
6		Acenaphthene	20.000	18.327	8.4	97	0.00
7		Fluorene	20.000	18.450	7.8	97	0.00
8		Phenanthrene	20.000	18.488	7.6	96	0.00
9		Anthracene	20.000	19.054	4.7	100	0.00
10	S	O-Terphenyl	20.000	18.709	6.5	98	0.00
11		Fluoranthene	20.000	18.783	6.1	99	0.00
12		Pyrene	20.000	19.023	4.9	101	0.00
13		Benzo(a)Anthracene	20.000	18.190	9.0	96	0.00
14		Chrysene	20.000	18.619	6.9	99	0.00
15		Benzo(b)Fluoranthene	20.000	17.877	10.6	94	0.00
16		Benzo(k)Fluoranthene	20.000	18.198	9.0	98	0.00
17		Benzo(a) Pyrene	20.000	18.207	9.0	96	0.00
18		Indeno(1,2,3-cd)pyrene	20.000	18.415	7.9	97	0.00
19		Dibenzo(a,h)anthracene	20.000	18.676	6.6	99	0.00
20		Benzo(g,h,i) Perylene	20.000	18.865	5.7	100	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	18.341	8.3	97	0.00
2		2-Methyl Naphthalene	20.000	18.144	9.3	96	0.00
3		1-Methyl Naphthalene	20.000	18.254	8.7	96	0.00
4	S	2-Fluorobiphenyl	20.000	18.713	6.4	100	0.00
5		Acenaphthylene	20.000	18.446	7.8	97	0.00
6		Acenaphthene	20.000	18.554	7.2	98	0.00
7		Fluorene	20.000	18.962	5.2	99	0.00
8		Phenanthrene	20.000	18.932	5.3	98	-0.01
9		Anthracene	20.000	19.874	0.6	107	-0.02
10	S	O-Terphenyl	20.000	19.048	4.8	100	-0.02
11		Fluoranthene	20.000	18.978	5.1	100	-0.02
12		Pyrene	20.000	19.335	3.3	101	-0.03
13		Benzo(a)Anthracene	20.000	18.765	6.2	99	-0.04
14		Chrysene	20.000	18.935	5.3	100	0.00
15		Benzo(b)Fluoranthene	20.000	18.421	7.9	97	0.00

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ888-CC869
Lab FileID: IJ18506.D

16	Benzo(k)Fluoranthene	20.000	18.501	7.5	98	0.00
17	Benzo(a) Pyrene	20.000	18.573	7.1	98	0.00
18	Indeno(1,2,3-cd)pyrene	20.000	18.722	6.4	99	0.00
19	Dibenzo(a,h)anthracene	20.000	18.936	5.3	100	0.00
20	Benzo(g,h,i) Perylene	20.000	18.921	5.4	100	0.00

Average % D = 6.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18163.D 8100_H2.M Tue Oct 07 08:31:21 2003

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ888-CC869
Lab FileID: IJ18517.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1006PAH\IJ18517.D\FID1B.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\1006PAH\IJ18517.D\FID2A.CH
Acq On : 6 Oct 2003 7:26 pm Operator: SARAHM
Sample : cc869-30 Inst : FID 1
Misc : op8720,gij888,1000,,,1,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Mon Oct 06 14:35:04 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	27.669	7.8	88	0.00
2		2-Methyl Naphthalene	30.000	27.385	8.7	86	0.00
3		1-Methyl Naphthalene	30.000	27.406	8.6	87	0.00
4	S	2-Fluorobiphenyl	30.000	27.351	8.8	85	0.00
5		Acenaphthylene	30.000	27.759	7.5	88	0.00
6		Acenaphthene	30.000	27.772	7.4	88	0.00
7		Fluorene	30.000	28.018	6.6	88	0.00
8		Phenanthrene	30.000	28.276	5.7	88	0.00
9		Anthracene	30.000	28.516	4.9	91	0.00
10	S	O-Terphenyl	30.000	28.153	6.2	89	0.00
11		Fluoranthene	30.000	28.320	5.6	89	0.00
12		Pyrene	30.000	28.867	3.8	91	0.00
13		Benzo(a)Anthracene	30.000	27.529	8.2	85	0.00
14		Chrysene	30.000	27.585	8.0	88	0.00
15		Benzo(b)Fluoranthene	30.000	27.458	8.5	85	0.01
16		Benzo(k)Fluoranthene	30.000	26.938	10.2	87	0.00
17		Benzo(a) Pyrene	30.000	27.205	9.3	86	0.01
18		Indeno(1,2,3-cd)pyrene	30.000	27.756	7.5	86	0.00
19		Dibenzo(a,h)anthracene	30.000	27.299	9.0	87	0.00
20		Benzo(g,h,i) Perylene	30.000	27.906	7.0	88	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	27.291	9.0	86	0.00
2		2-Methyl Naphthalene	30.000	27.431	8.6	85	0.00
3		1-Methyl Naphthalene	30.000	27.217	9.3	85	0.00
4	S	2-Fluorobiphenyl	30.000	27.342	8.9	85	0.00
5		Acenaphthylene	30.000	27.847	7.2	88	0.00
6		Acenaphthene	30.000	27.916	6.9	88	0.00
7		Fluorene	30.000	28.563	4.8	89	0.00
8		Phenanthrene	30.000	28.656	4.5	87	-0.01
9		Anthracene	30.000	27.911	7.0	91	-0.01
10	S	O-Terphenyl	30.000	28.433	5.2	90	-0.01
11		Fluoranthene	30.000	28.506	5.0	89	-0.02
12		Pyrene	30.000	28.647	4.5	91	-0.02
13		Benzo(a)Anthracene	30.000	27.835	7.2	87	-0.03
14		Chrysene	30.000	27.535	8.2	87	0.00
15		Benzo(b)Fluoranthene	30.000	27.454	8.5	86	0.00

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ888-CC869
Lab FileID: IJ18517.D

16	Benzo(k)Fluoranthene	30.000	27.423	8.6	87	0.00
17	Benzo(a) Pyrene	30.000	27.657	7.8	87	0.00
18	Indeno(1,2,3-cd)pyrene	30.000	28.157	6.1	87	0.00
19	Dibenzo(a,h)anthracene	30.000	28.037	6.5	90	0.00
20	Benzo(g,h,i) Perylene	30.000	28.090	6.4	88	0.00

Average % D = 7.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18164.D 8100_H2.M Tue Oct 07 08:31:54 2003

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ888-CC869
Lab FileID: IJ18526.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1006PAH\IJ18526.D\FID1B.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\1006PAH\IJ18526.D\FID2A.CH
Acq On : 6 Oct 2003 11:44 pm Operator: SARAHM
Sample : cc869-20 Inst : FID 1
Misc : op8720,gij888,1000,,,1,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Mon Oct 06 14:35:04 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	18.670	6.6	99	0.00
2		2-Methyl Naphthalene	20.000	18.474	7.6	98	0.00
3		1-Methyl Naphthalene	20.000	18.389	8.1	97	0.00
4	S	2-Fluorobiphenyl	20.000	18.041	9.8	95	0.00
5		Acenaphthylene	20.000	18.695	6.5	98	0.00
6		Acenaphthene	20.000	18.706	6.5	99	0.00
7		Fluorene	20.000	18.794	6.0	99	0.00
8		Phenanthrene	20.000	18.700	6.5	97	0.00
9		Anthracene	20.000	19.490	2.6	103	0.00
10	S	O-Terphenyl	20.000	19.077	4.6	100	0.00
11		Fluoranthene	20.000	19.012	4.9	100	0.00
12		Pyrene	20.000	19.213	3.9	102	0.01
13		Benzo(a)Anthracene	20.000	18.034	9.8	95	0.00
14		Chrysene	20.000	18.621	6.9	99	0.00
15		Benzo(b)Fluoranthene	20.000	17.626	11.9	92	0.00
16		Benzo(k)Fluoranthene	20.000	18.566	7.2	100	0.00
17		Benzo(a) Pyrene	20.000	18.107	9.5	96	0.00
18		Indeno(1,2,3-cd)pyrene	20.000	18.087	9.6	95	0.00
19		Dibenzo(a,h)anthracene	20.000	18.273	8.6	97	0.00
20		Benzo(g,h,i) Perylene	20.000	19.020	4.9	101	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	18.511	7.4	98	0.00
2		2-Methyl Naphthalene	20.000	18.233	8.8	97	0.00
3		1-Methyl Naphthalene	20.000	18.480	7.6	97	0.00
4	S	2-Fluorobiphenyl	20.000	18.926	5.4	101	0.00
5		Acenaphthylene	20.000	18.845	5.8	99	0.00
6		Acenaphthene	20.000	18.858	5.7	100	0.00
7		Fluorene	20.000	19.264	3.7	100	0.00
8		Phenanthrene	20.000	18.959	5.2	99	-0.01
9		Anthracene	20.000	20.386	-1.9	110	-0.01
10	S	O-Terphenyl	20.000	19.344	3.3	102	-0.02
11		Fluoranthene	20.000	19.411	2.9	102	-0.02
12		Pyrene	20.000	19.498	2.5	102	-0.02
13		Benzo(a)Anthracene	20.000	18.690	6.5	99	-0.03
14		Chrysene	20.000	18.839	5.8	99	0.01
15		Benzo(b)Fluoranthene	20.000	18.259	8.7	96	0.01

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ888-CC869
Lab FileID: IJ18526.D

16	Benzo(k)Fluoranthene	20.000	18.453	7.7	98	0.01
17	Benzo(a) Pyrene	20.000	18.535	7.3	98	0.00
18	Indeno(1,2,3-cd)pyrene	20.000	18.421	7.9	98	0.00
19	Dibenzo(a,h)anthracene	20.000	19.145	4.3	101	0.00
20	Benzo(g,h,i) Perylene	20.000	18.724	6.4	99	0.00

Average % D = 6.4

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18163.D 8100_H2.M Tue Oct 07 08:31:23 2003

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ888-ECC869
Lab FileID: IJ18534.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1006PAH\IJ18534.D\FID1B.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\1006PAH\IJ18534.D\FID2A.CH
Acq On : 7 Oct 2003 3:32 am Operator: SARAHM
Sample : ecc869-20 Inst : FID 1
Misc : op8720,gij888,990,,,1,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Mon Oct 06 14:35:04 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	18.820	5.9	100	0.00
2		2-Methyl Naphthalene	20.000	18.633	6.8	99	0.00
3		1-Methyl Naphthalene	20.000	18.534	7.3	98	0.00
4	S	2-Fluorobiphenyl	20.000	18.210	8.9	96	0.00
5		Acenaphthylene	20.000	18.783	6.1	99	0.00
6		Acenaphthene	20.000	18.803	6.0	99	0.00
7		Fluorene	20.000	18.912	5.4	99	0.00
8		Phenanthrene	20.000	18.777	6.1	98	0.00
9		Anthracene	20.000	19.534	2.3	103	0.00
10	S	O-Terphenyl	20.000	19.147	4.3	101	0.00
11		Fluoranthene	20.000	19.125	4.4	101	0.01
12		Pyrene	20.000	19.347	3.3	103	0.01
13		Benzo(a)Anthracene	20.000	18.409	8.0	97	0.00
14		Chrysene	20.000	18.997	5.0	101	0.00
15		Benzo(b)Fluoranthene	20.000	18.305	8.5	96	0.00
16		Benzo(k)Fluoranthene	20.000	18.752	6.2	101	0.00
17		Benzo(a) Pyrene	20.000	18.465	7.7	98	0.01
18		Indeno(1,2,3-cd)pyrene	20.000	18.569	7.2	98	0.00
19		Dibenzo(a,h)anthracene	20.000	18.755	6.2	99	0.00
20		Benzo(g,h,i) Perylene	20.000	19.407	3.0	103	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	18.732	6.3	99	0.00
2		2-Methyl Naphthalene	20.000	18.378	8.1	98	0.00
3		1-Methyl Naphthalene	20.000	18.616	6.9	98	0.00
4	S	2-Fluorobiphenyl	20.000	19.048	4.8	102	0.00
5		Acenaphthylene	20.000	18.963	5.2	100	0.00
6		Acenaphthene	20.000	18.988	5.1	100	0.00
7		Fluorene	20.000	19.387	3.1	101	0.00
8		Phenanthrene	20.000	19.156	4.2	100	-0.01
9		Anthracene	20.000	20.382	-1.9	110	-0.01
10	S	O-Terphenyl	20.000	19.434	2.8	102	-0.02
11		Fluoranthene	20.000	19.530	2.3	103	-0.02
12		Pyrene	20.000	19.473	2.6	102	-0.02
13		Benzo(a)Anthracene	20.000	19.037	4.8	100	-0.03
14		Chrysene	20.000	19.237	3.8	101	0.00
15		Benzo(b)Fluoranthene	20.000	18.719	6.4	99	0.01

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ888-ECC869
Lab FileID: IJ18534.D

16	Benzo(k)Fluoranthene	20.000	18.813	5.9	100	0.01
17	Benzo(a) Pyrene	20.000	19.039	4.8	101	0.01
18	Indeno(1,2,3-cd)pyrene	20.000	18.935	5.3	100	0.00
19	Dibenzo(a,h)anthracene	20.000	19.609	2.0	103	0.00
20	Benzo(g,h,i) Perylene	20.000	19.193	4.0	101	0.00

Average % D = 5.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18163.D 8100_H2.M Tue Oct 07 08:31:25 2003

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ889-CC869
Lab FileID: IJ18535.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1007PAH\IJ18535.D\FID1B.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\1007PAH\IJ18535.D\FID2A.CH
Acq On : 7 Oct 2003 11:09 am Operator: SARAHM
Sample : cc869-20 Inst : FID 1
Misc : op8720,gij889,990,,,1,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Mon Oct 06 14:35:04 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	18.764	6.2	100	0.00
2		2-Methyl Naphthalene	20.000	18.618	6.9	99	0.00
3		1-Methyl Naphthalene	20.000	18.539	7.3	98	0.00
4	S	2-Fluorobiphenyl	20.000	18.069	9.7	96	0.00
5		Acenaphthylene	20.000	18.682	6.6	98	0.00
6		Acenaphthene	20.000	18.779	6.1	99	0.00
7		Fluorene	20.000	18.837	5.8	99	0.00
8		Phenanthrene	20.000	18.759	6.2	98	0.00
9		Anthracene	20.000	19.608	2.0	103	0.00
10	S	O-Terphenyl	20.000	19.159	4.2	101	0.00
11		Fluoranthene	20.000	19.188	4.1	101	0.00
12		Pyrene	20.000	19.421	2.9	103	0.00
13		Benzo(a)Anthracene	20.000	18.460	7.7	97	0.00
14		Chrysene	20.000	19.063	4.7	101	0.00
15		Benzo(b)Fluoranthene	20.000	18.274	8.6	96	0.00
16		Benzo(k)Fluoranthene	20.000	18.808	6.0	101	0.00
17		Benzo(a) Pyrene	20.000	18.510	7.4	98	0.00
18		Indeno(1,2,3-cd)pyrene	20.000	18.571	7.1	98	0.00
19		Dibenzo(a,h)anthracene	20.000	18.826	5.9	100	0.00
20		Benzo(g,h,i) Perylene	20.000	19.719	1.4	105	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	18.669	6.7	99	0.00
2		2-Methyl Naphthalene	20.000	18.371	8.1	98	0.00
3		1-Methyl Naphthalene	20.000	18.506	7.5	98	0.00
4	S	2-Fluorobiphenyl	20.000	19.014	4.9	101	0.00
5		Acenaphthylene	20.000	18.858	5.7	99	0.00
6		Acenaphthene	20.000	18.968	5.2	100	0.00
7		Fluorene	20.000	19.320	3.4	101	0.00
8		Phenanthrene	20.000	19.172	4.1	100	0.00
9		Anthracene	20.000	20.314	-1.6	109	0.00
10	S	O-Terphenyl	20.000	19.469	2.7	102	0.00
11		Fluoranthene	20.000	19.622	1.9	104	0.00
12		Pyrene	20.000	19.590	2.1	103	0.00
13		Benzo(a)Anthracene	20.000	19.097	4.5	101	-0.02
14		Chrysene	20.000	19.336	3.3	102	0.02
15		Benzo(b)Fluoranthene	20.000	18.764	6.2	99	0.03

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ889-CC869
Lab FileID: IJ18535.D

16	Benzo(k)Fluoranthene	20.000	18.768	6.2	99	0.03
17	Benzo(a) Pyrene	20.000	19.006	5.0	101	0.03
18	Indeno(1,2,3-cd)pyrene	20.000	18.960	5.2	100	0.03
19	Dibenzo(a,h)anthracene	20.000	19.599	2.0	103	0.03
20	Benzo(g,h,i) Perylene	20.000	19.247	3.8	102	0.03

Average % D = 5.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18163.D 8100_H2.M Tue Oct 07 13:11:42 2003

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ889-ECC869
Lab FileID: IJ18538.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1007PAH\IJ18538.D\FID1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\1007PAH\IJ18538.D\FID2A.CH
Acq On : 7 Oct 2003 12:35 pm Operator: SARAHM
Sample : ecc869-30 Inst : FID 1
Misc : op8720,gij889,980,,,1,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Mon Oct 06 14:35:04 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	28.059	6.5	89	0.00
2		2-Methyl Naphthalene	30.000	28.047	6.5	88	0.00
3		1-Methyl Naphthalene	30.000	27.914	7.0	88	0.00
4	S	2-Fluorobiphenyl	30.000	27.748	7.5	86	0.00
5		Acenaphthylene	30.000	28.149	6.2	89	0.00
6		Acenaphthene	30.000	28.130	6.2	89	0.00
7		Fluorene	30.000	28.336	5.5	89	0.00
8		Phenanthrene	30.000	28.569	4.8	89	0.00
9		Anthracene	30.000	28.742	4.2	92	0.00
10	S	O-Terphenyl	30.000	28.445	5.2	90	0.00
11		Fluoranthene	30.000	28.499	5.0	90	0.00
12		Pyrene	30.000	29.038	3.2	92	0.00
13		Benzo(a)Anthracene	30.000	27.535	8.2	85	0.00
14		Chrysene	30.000	27.569	8.1	88	0.00
15		Benzo(b)Fluoranthene	30.000	27.681	7.7	86	0.00
16		Benzo(k)Fluoranthene	30.000	26.929	10.2	87	0.00
17		Benzo(a) Pyrene	30.000	27.340	8.9	86	0.00
18		Indeno(1,2,3-cd)pyrene	30.000	28.007	6.6	87	0.00
19		Dibenzo(a,h)anthracene	30.000	27.654	7.8	89	0.00
20		Benzo(g,h,i) Perylene	30.000	28.204	6.0	89	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	28.028	6.6	89	0.00
2		2-Methyl Naphthalene	30.000	28.121	6.3	87	0.00
3		1-Methyl Naphthalene	30.000	27.883	7.1	87	0.00
4	S	2-Fluorobiphenyl	30.000	27.989	6.7	87	0.00
5		Acenaphthylene	30.000	28.450	5.2	90	0.00
6		Acenaphthene	30.000	28.457	5.1	90	0.00
7		Fluorene	30.000	29.146	2.8	91	0.00
8		Phenanthrene	30.000	29.389	2.0	89	0.00
9		Anthracene	30.000	28.320	5.6	92	0.00
10	S	O-Terphenyl	30.000	28.915	3.6	91	0.00
11		Fluoranthene	30.000	28.982	3.4	91	0.00
12		Pyrene	30.000	29.241	2.5	92	0.00
13		Benzo(a)Anthracene	30.000	28.047	6.5	88	0.00
14		Chrysene	30.000	27.764	7.5	87	0.04
15		Benzo(b)Fluoranthene	30.000	27.962	6.8	87	0.04

Continuing Calibration Summary

Job Number: F19844
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ889-ECC869
Lab FileID: IJ18538.D

16	Benzo(k)Fluoranthene	30.000	27.381	8.7	87	0.04
17	Benzo(a) Pyrene	30.000	28.035	6.5	88	0.04
18	Indeno(1,2,3-cd)pyrene	30.000	28.661	4.5	88	0.04
19	Dibenzo(a,h)anthracene	30.000	27.880	7.1	90	0.03
20	Benzo(g,h,i) Perylene	30.000	28.618	4.6	90	0.04

Average % D = 6.0

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ18164.D 8100_H2.M Tue Oct 07 13:11:15 2003

5.7

5

December 2003 Groundwater Laboratory Report

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F21079

Sampling Dates: 12/08/03 - 12/10/03

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **74**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F21079

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F21079-1	12/10/03	13:15	BS	12/11/03	AQ	Ground Water	UST645-MW16
F21079-2	12/09/03	09:35	BS	12/11/03	AQ	Ground Water	UST645-MW03
F21079-3	12/09/03	12:15	BS	12/11/03	AQ	Ground Water	UST645-MW12
F21079-4	12/08/03	11:10	BS	12/11/03	AQ	Ground Water	UST645-MW15
F21079-5	12/08/03	13:15	BS	12/11/03	AQ	Ground Water	UST645-MW01
F21079-6	12/08/03	12:05	BS	12/11/03	AQ	Ground Water	UST645-MW02
F21079-7	12/10/03	12:00	BS	12/11/03	AQ	Ground Water	UST645-MW18
F21079-8	12/10/03	11:00	BS	12/11/03	AQ	Ground Water	UST645-MW06
F21079-9	12/09/03	15:40	BS	12/11/03	AQ	Ground Water	UST645-MW22
F21079-10	12/09/03	14:35	BS	12/11/03	AQ	Ground Water	UST645-MW23
F21079-11	12/09/03	13:40	BS	12/11/03	AQ	Ground Water	UST645-MW09
F21079-12	12/10/03	10:00	BS	12/11/03	AQ	Ground Water	UST645-MW13
F21079-13	12/10/03	10:45	BS	12/11/03	AQ	Ground Water	UST645-MW11

Sample Summary
(continued)

EEI

Job No: F21079

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F21079-14	12/09/03	12:13	BS	12/11/03	AQ	Ground Water	UST645-MW12D
F21079-15	12/10/03	00:00	BS	12/11/03	AQ	Trip Blank Water	TRIP BLANK

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW16
Lab Sample ID: F21079-1
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/10/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018223.D	1	12/15/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		49-119%
321-60-8	2-Fluorobiphenyl	80%		45-118%
1718-51-0	Terphenyl-d14	93%		46-135%

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW16		
Lab Sample ID:	F21079-1	**Date Sampled:**	12/10/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF033266.D	1	12/16/03	CV	n/a	n/a	GEF2020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.87	1.0	0.50	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.94	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	1.4	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	87%		70-123%
98-08-8	aaa-Trifluorotoluene	91%		73-122%

(a) All hits confirmed by dual column analysis.

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW03
Lab Sample ID: F21079-2
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/09/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018224.D	1	12/15/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	7.4	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	8.3	5.1	1.0	ug/l	
91-20-3	Naphthalene	18.9	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		49-119%
321-60-8	2-Fluorobiphenyl	83%		45-118%
1718-51-0	Terphenyl-d14	91%		46-135%

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F21079-2	**Date Sampled:**	12/09/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF033279.D	1	12/17/03	CV	n/a	n/a	GEF2020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.94	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	22.1	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.6	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	52.5	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	103%		70-123%
98-08-8	aaa-Trifluorotoluene	103%		73-122%

(a) All hits confirmed by dual column analysis.

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW12
Lab Sample ID: F21079-3
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/09/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018225.D	1	12/15/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	2.0	5.1	1.0	ug/l	J
91-57-6	2-Methylnaphthalene	2.6	5.1	1.0	ug/l	J
91-20-3	Naphthalene	7.9	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	93%		49-119%
321-60-8	2-Fluorobiphenyl	88%		45-118%
1718-51-0	Terphenyl-d14	94%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F21079-3	**Date Sampled:**	12/09/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF033280.D	1	12/17/03	CV	n/a	n/a	GEF2020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.68	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	9.2	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	9.8	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	42.6	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	102%		70-123%
98-08-8	aaa-Trifluorotoluene	102%		73-122%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID: UST645-MW15
Lab Sample ID: F21079-4
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/08/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018226.D	1	12/15/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		49-119%
321-60-8	2-Fluorobiphenyl	81%		45-118%
1718-51-0	Terphenyl-d14	89%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F21079-4	**Date Sampled:**	12/08/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF033282.D	1	12/17/03	CV	n/a	n/a	GEF2020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	49.8	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	93%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID: UST645-MW01
Lab Sample ID: F21079-5
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/08/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018227.D	1	12/15/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	23.4	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	34.3	5.1	1.0	ug/l	
91-20-3	Naphthalene	32.2	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		49-119%
321-60-8	2-Fluorobiphenyl	70%		45-118%
1718-51-0	Terphenyl-d14	85%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F21079-5	**Date Sampled:**	12/08/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF033283.D	1	12/17/03	CV	n/a	n/a	GEF2020
Run #2 [a]	EF033297.D	2	12/17/03	JG	n/a	n/a	GEF2021

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

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	94.3	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	7.2	1.0	0.50	ug/l	
108-88-3	Toluene	81.2	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	273 [b]	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	110%	106%	70-123%
98-08-8	aaa-Trifluorotoluene	112%	108%	73-122%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

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Report of Analysis

Client Sample ID: UST645-MW02
Lab Sample ID: F21079-6
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/08/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018230.D	1	12/15/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	30.0	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	42.9	5.1	1.0	ug/l	
91-20-3	Naphthalene	45.1	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		49-119%
321-60-8	2-Fluorobiphenyl	84%		45-118%
1718-51-0	Terphenyl-d14	88%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F21079-6	**Date Sampled:**	12/08/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF033284.D	1	12/17/03	CV	n/a	n/a	GEF2020
Run #2 [a]	EF033298.D	5	12/17/03	JG	n/a	n/a	GEF2021

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

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.4	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	110 [b]	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	11.7	1.0	0.50	ug/l	
108-88-3	Toluene	28.2	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	716 [b]	15	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	111%	104%	70-123%
98-08-8	aaa-Trifluorotoluene	121%	107%	73-122%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID: UST645-MW18
Lab Sample ID: F21079-7
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/10/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018231.D	1	12/15/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	15.1	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	97%		49-119%
321-60-8	2-Fluorobiphenyl	91%		45-118%
1718-51-0	Terphenyl-d14	99%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F21079-7	**Date Sampled:**	12/10/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF033287.D	50	12/17/03	CV	n/a	n/a	GEF2020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	788	50	25	ug/l	
108-90-7	Chlorobenzene	ND	50	25	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	25	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
100-41-4	Ethylbenzene	838	50	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
108-88-3	Toluene	3570	50	25	ug/l	
1330-20-7	Xylenes (total)	2260	150	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	98%		70-123%
98-08-8	aaa-Trifluorotoluene	98%		73-122%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID: UST645-MW06
Lab Sample ID: F21079-8
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/10/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018232.D	1	12/15/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		49-119%
321-60-8	2-Fluorobiphenyl	89%		45-118%
1718-51-0	Terphenyl-d14	97%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW06		
Lab Sample ID:	F21079-8	**Date Sampled:**	12/10/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF033285.D	1	12/17/03	CV	n/a	n/a	GEF2020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	2.3	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	89%		70-123%
98-08-8	aaa-Trifluorotoluene	92%		73-122%

(a) All hits confirmed by dual column analysis.

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

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Report of Analysis

Client Sample ID: UST645-MW22
Lab Sample ID: F21079-9
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/09/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018233.D	1	12/15/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		49-119%
321-60-8	2-Fluorobiphenyl	79%		45-118%
1718-51-0	Terphenyl-d14	88%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F21079-9	**Date Sampled:**	12/09/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF033286.D	1	12/17/03	CV	n/a	n/a	GEF2020
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	6.9	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.72	1.0	0.50	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	35.7	1.0	0.50	ug/l	
108-88-3	Toluene	1.4	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	93%		70-123%
98-08-8	aaa-Trifluorotoluene	96%		73-122%

(a) All hits confirmed by dual column analysis.

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW23
Lab Sample ID: F21079-10
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/09/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018234.D	1	12/16/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		49-119%
321-60-8	2-Fluorobiphenyl	80%		45-118%
1718-51-0	Terphenyl-d14	87%		46-135%

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F21079-10	**Date Sampled:**	12/09/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF033304.D	1	12/17/03	JG	n/a	n/a	GEF2021
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	89%		70-123%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW09
Lab Sample ID: F21079-11
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/09/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018235.D	1	12/16/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		49-119%
321-60-8	2-Fluorobiphenyl	78%		45-118%
1718-51-0	Terphenyl-d14	85%		46-135%

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F21079-11	**Date Sampled:**	12/09/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF033305.D	1	12/17/03	JG	n/a	n/a	GEF2021
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	94%		73-122%

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW13
Lab Sample ID: F21079-12
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/10/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018236.D	1	12/16/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		49-119%
321-60-8	2-Fluorobiphenyl	81%		45-118%
1718-51-0	Terphenyl-d14	88%		46-135%

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW13		
Lab Sample ID:	F21079-12	**Date Sampled:**	12/10/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF033306.D	1	12/17/03	JG	n/a	n/a	GEF2021
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%		70-123%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW11		
Lab Sample ID:	F21079-13	**Date Sampled:**	12/10/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018237.D	1	12/16/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		49-119%
321-60-8	2-Fluorobiphenyl	83%		45-118%
1718-51-0	Terphenyl-d14	92%		46-135%

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW11		
Lab Sample ID:	F21079-13	**Date Sampled:**	12/10/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF033307.D	1	12/17/03	JG	n/a	n/a	GEF2021
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%		70-123%
98-08-8	aaa-Trifluorotoluene	96%		73-122%

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

Accutest LabLink@44683 15:27 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW12D
Lab Sample ID: F21079-14
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/09/03
Date Received: 12/11/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W018238.D	1	12/16/03	ME	12/12/03	OP9282	SW948
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	2.1	5.1	1.0	ug/l	J
91-57-6	2-Methylnaphthalene	3.0	5.1	1.0	ug/l	J
91-20-3	Naphthalene	8.3	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		49-119%
321-60-8	2-Fluorobiphenyl	84%		45-118%
1718-51-0	Terphenyl-d14	91%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW12D		
Lab Sample ID:	F21079-14	**Date Sampled:**	12/09/03
Matrix:	AQ - Ground Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF033308.D	1	12/17/03	JG	n/a	n/a	GEF2021
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.65	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	5.0	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	9.0	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	9.7	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	41.9	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	98%		70-123%
98-08-8	aaa-Trifluorotoluene	98%		73-122%

(a) Confirmed by GC/MS
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F21079-15	**Date Sampled:**	12/10/03
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/11/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF033309.D	1	12/17/03	JG	n/a	n/a	GEF2021
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	92%		70-123%
98-08-8	aaa-Trifluorotoluene	96%		73-122%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:
ACCUTEST QUOTE #: F21079

CLIENT INFORMATION

NAME: ENGINEERING + ENVIRONMENT INC
ADDRESS: 824 GUM BRANCH SUITE S
CITY: JACKSONVILLE STATE: NC ZIP: 28540
SEND REPORT TO:
PHONE #: (910) 989-3214

FACILITY INFORMATION

PROJECT NAME: BLDG 645 CAMP LEJEUNE
LOCATION:
PROJECT NO.:
FAX #: (910) 989-3341

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	ANALYTICAL INFORMATION: EPA 602	ANALYTICAL INFORMATION: EPA 625 (PAH)
1	UST645-MW16	12/10/03	1315	BS BM	GW	5	X				X	3	2
2	UST645-MW03	12/9/03	0935	BS BM	GW		X				X	3	2
3	UST645-MW12	12/9/03	1215	BS BM	GW		X				X	3	2
4	UST645-MW15	12/8/03	1110	BS BM	GW		X				X	3	2
5	UST645-MW01	12/8/03	1315	BS BM	GW		X				X	3	
6	UST645-MW02	12/8/03	1285	BS BM	GW		X				X	3	
7	UST645-MW18	12/10/03	1203	BS BM	GW		X				X	3	
8	UST645-MW06	12/10/03	1100	BS BM	GW		X				X	3	
9	UST645-MW20	12/9/03	1540	BS BM	GW		X				X	3	
10	UST645-MW23	12/9/03	1435	BS BM	GW		X				X	3	
11	UST645-MW09	12/9/03	1340	BS BM	GW		X				X	3	

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [x] OTHER (SPECIFY) NEESA 4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	12-10-03 15:05	1.	2.	12/11/03 0930	Meena Mohammed
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE: 3.4, 3.2, 3.0, 2.8 TEMPERATURE: °C
5.		5.			

F21079: Chain of Custody
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CHAIN OF CUSTODY

ACCUTEST Laboratories

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: ENGINEERING + ENVIRONMENT INC
ADDRESS: 834 GUMBRANCH SUITE 5
CITY: JACKSONVILLE STATE: NC ZIP: 28540
SEND REPORT TO:
PHONE #: (910) 989-3214

FACILITY INFORMATION

PROJECT NAME: Bldg 645
LOCATION: CAMP LEJEUNE
PROJECT NO.:
FAX #: (910) 989-3341

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	EPA 602	EPA 625 (PAH)	LAB USE ONLY
12	UST645-MW13	12/10/03	1000	BS BM	GW	5	X				X	3	2	
13	UST645-MW11	12/10/03	1045	BS BM	GW	5	X				X	3	2	
14	UST645-MW12D	12/9/03	1215	BS BM	GW	5	X				X	3	2	
15	TRIP BLANK	12/10/03	1500	—	W	2	X					2		

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY) NEESA 4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY: SAMPLER	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	12-10-03 15:05	1. FedEx 8434 9877 9029	2.	12/11/03 0930	2. Muna Mohammad
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE ____ C
5.		5.			

F21079: Chain of Custody
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ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F21079

Client: Engineering + Environment Project: Bldg. 1645

Date Received: 12/11/03 Time Received: 0930

# of Coolers Received: 4 Cooler Temperatures: 3.4, 3.2, 3.0, 2.8

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

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	Yes	(No)	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	(Yes)	No	
Trip Blank on COC ?	(Yes)	No	
Trip Blank Intact ?	(Yes)	No	N/A
Trip Blank Matrix ?	Soil	(Water)	N/A
Number of Encores ?	0		
Number of Soil Field Kits ?	0		

Summary of Comments: Received 2 ambers for all the samples.

Signature: Mina Mohammed Date: 12/11/03

ASBD/HW 05/11/03

F21079: Chain of Custody
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GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP9282-MB	W018222.D	1	12/15/03	ME	12/12/03	OP9282	SW948

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

F21079-1, F21079-2, F21079-3, F21079-4, F21079-5, F21079-6, F21079-7, F21079-8, F21079-9, F21079-10, F21079-11, F21079-12, F21079-13, F21079-14

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

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	85%	49-119%
321-60-8	2-Fluorobiphenyl	83%	45-118%
1718-51-0	Terphenyl-d14	93%	46-135%

Blank Spike Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP9282-BS	W018221.D	1	12/15/03	ME	12/12/03	OP9282	SW948

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

F21079-1, F21079-2, F21079-3, F21079-4, F21079-5, F21079-6, F21079-7, F21079-8, F21079-9, F21079-10, F21079-11, F21079-12, F21079-13, F21079-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	44.5	89	69-101
208-96-8	Acenaphthylene	50	51.2	102	75-113
120-12-7	Anthracene	50	46.5	93	75-107
56-55-3	Benzo(a)anthracene	50	46.3	93	73-106
50-32-8	Benzo(a)pyrene	50	47.7	95	75-114
205-99-2	Benzo(b)fluoranthene	50	45.5	91	73-110
191-24-2	Benzo(g,h,i)perylene	50	42.8	86	63-115
207-08-9	Benzo(k)fluoranthene	50	47.3	95	73-112
218-01-9	Chrysene	50	45.1	90	73-103
53-70-3	Dibenzo(a,h)anthracene	50	43.7	87	63-115
206-44-0	Fluoranthene	50	46.3	93	73-111
86-73-7	Fluorene	50	45.2	90	70-105
193-39-5	Indeno(1,2,3-cd)pyrene	50	45.3	91	63-118
90-12-0	1-Methylnaphthalene	50	41.0	82	63-99
91-57-6	2-Methylnaphthalene	50	42.9	86	66-100
91-20-3	Naphthalene	50	43.2	86	67-101
85-01-8	Phenanthrene	50	45.3	91	73-104
129-00-0	Pyrene	50	44.7	89	69-105

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	91%	49-119%
321-60-8	2-Fluorobiphenyl	89%	45-118%
1718-51-0	Terphenyl-d14	94%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP9282-MS	W018228.D	1	12/15/03	ME	12/12/03	OP9282	SW948
OP9282-MSD	W018229.D	1	12/15/03	ME	12/12/03	OP9282	SW948
F21079-5	W018227.D	1	12/15/03	ME	12/12/03	OP9282	SW948

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

F21079-1, F21079-2, F21079-3, F21079-4, F21079-5, F21079-6, F21079-7, F21079-8, F21079-9, F21079-10, F21079-11, F21079-12, F21079-13, F21079-14

CAS No.	Compound	F21079-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		106	90.2	85	91.3	86	1	60-103/20
208-96-8	Acenaphthylene	ND		106	104	98	104	98	0	67-113/20
120-12-7	Anthracene	ND		106	93.9	88	97.9	92	4	71-105/14
56-55-3	Benzo(a)anthracene	ND		106	95.0	89	97.5	92	3	70-103/16
50-32-8	Benzo(a)pyrene	ND		106	98.0	92	100	94	2	70-113/16
205-99-2	Benzo(b)fluoranthene	ND		106	93.7	88	96.7	91	3	67-110/17
191-24-2	Benzo(g,h,i)perylene	ND		106	87.7	82	88.3	83	1	63-111/17
207-08-9	Benzo(k)fluoranthene	ND		106	94.4	89	97.7	92	3	68-110/17
218-01-9	Chrysene	ND		106	94.8	89	96.0	90	1	70-100/18
53-70-3	Dibenzo(a,h)anthracene	ND		106	89.2	84	91.0	86	2	62-111/20
206-44-0	Fluoranthene	ND		106	96.6	91	99.2	93	3	67-108/17
86-73-7	Fluorene	ND		106	92.6	87	93.7	88	1	65-105/17
193-39-5	Indeno(1,2,3-cd)pyrene	ND		106	91.2	86	94.4	89	3	66-111/19
90-12-0	1-Methylnaphthalene	23.4		106	112	83	113	84	1	55-97/23
91-57-6	2-Methylnaphthalene	34.3		106	124	84	126	86	2	56-100/23
91-20-3	Naphthalene	32.2		106	128	90	130	92	2	52-102/23
85-01-8	Phenanthrene	ND		106	92.7	87	94.1	88	1	69-103/15
129-00-0	Pyrene	ND		106	88.6	83	92.3	87	4	64-107/21

CAS No.	Surrogate Recoveries	MS	MSD	F21079-5	Limits
4165-60-0	Nitrobenzene-d5	85%	86%	75%	49-119%
321-60-8	2-Fluorobiphenyl	83%	84%	70%	45-118%
1718-51-0	Terphenyl-d14	90%	91%	85%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW917-DFTPP
Lab File ID: W017549.D
Instrument ID: GCMSW
Injection Date: 10/24/03
Injection Time: 09:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	39002	40.6		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	36454	38.0		Pass
70	Less than 2.0% of mass 69	168	0.17	(0.46) [a]	Pass
127	40.0 - 60.0% of mass 198	48726	50.7		Pass
197	Less than 1.0% of mass 198	112	0.12		Pass
198	Base peak, 100% relative abundance	96043	100.0		Pass
199	5.0 - 9.0% of mass 198	6653	6.9		Pass
275	10.0 - 30.0% of mass 198	21441	22.3		Pass
365	1.0 - 100.0% of mass 198	2146	2.2		Pass
441	Present, but less than mass 443	10471	10.9	(77.0) [b]	Pass
442	40.0 - 100.0% of mass 198	69075	71.9		Pass
443	17.0 - 23.0% of mass 442	13598	14.2	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW917-IC917	W017550.D	10/24/03	10:03	00:18	Initial cal 5
SW917-IC917	W017551.D	10/24/03	10:33	00:48	Initial cal 25
SW917-IC917	W017552.D	10/24/03	11:03	01:18	Initial cal 50
SW917-ICC917	W017553.D	10/24/03	11:32	01:47	Initial cal 75
SW917-IC917	W017554.D	10/24/03	12:02	02:17	Initial cal 100
SW917-IC917	W017555.D	10/24/03	12:31	02:46	Initial cal 125
OP8797-BS	W017557.D	10/24/03	13:30	03:45	Blank Spike
OP8797-MB	W017558.D	10/24/03	14:00	04:15	Method Blank
ZZZZZZ	W017559.D	10/24/03	14:29	04:44	(unrelated sample)
ZZZZZZ	W017560.D	10/24/03	14:59	05:14	(unrelated sample)
ZZZZZZ	W017561.D	10/24/03	15:28	05:43	(unrelated sample)
ZZZZZZ	W017562.D	10/24/03	15:58	06:13	(unrelated sample)
ZZZZZZ	W017563.D	10/24/03	16:27	06:42	(unrelated sample)
ZZZZZZ	W017564.D	10/24/03	16:57	07:12	(unrelated sample)
ZZZZZZ	W017565.D	10/24/03	17:26	07:41	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SW948-DFTPP	**Injection Date:**	12/15/03
Lab File ID:	W018214.D	**Injection Time:**	14:38
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	53611	44.6		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	47851	39.8		Pass
70	Less than 2.0% of mass 69	327	0.27	(0.68) [a]	Pass
127	40.0 - 60.0% of mass 198	61635	51.2		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	120264	100.0		Pass
199	5.0 - 9.0% of mass 198	8089	6.7		Pass
275	10.0 - 30.0% of mass 198	27944	23.2		Pass
365	1.0 - 100.0% of mass 198	2863	2.4		Pass
441	Present, but less than mass 443	12776	10.6	(75.2) [b]	Pass
442	40.0 - 100.0% of mass 198	88517	73.6		Pass
443	17.0 - 23.0% of mass 442	16994	14.1	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW948-CC917	W018215.D	12/15/03	14:57	00:19	Continuing cal 75
OP9305-BS	W018216.D	12/15/03	15:26	00:48	Blank Spike
OP9305-MB	W018217.D	12/15/03	15:56	01:18	Method Blank
F21078-1	W018218.D	12/15/03	16:25	01:47	(used for QC only; not part of job F21079)
OP9305-MS	W018219.D	12/15/03	16:55	02:17	Matrix Spike
OP9305-MSD	W018220.D	12/15/03	17:25	02:47	Matrix Spike Duplicate
OP9282-BS	W018221.D	12/15/03	17:54	03:16	Blank Spike
OP9282-MB	W018222.D	12/15/03	18:24	03:46	Method Blank
F21079-1	W018223.D	12/15/03	18:53	04:15	UST645-MW16
F21079-2	W018224.D	12/15/03	19:23	04:45	UST645-MW03
F21079-3	W018225.D	12/15/03	19:53	05:15	UST645-MW12
F21079-4	W018226.D	12/15/03	20:22	05:44	UST645-MW15
F21079-5	W018227.D	12/15/03	20:52	06:14	UST645-MW01
OP9282-MS	W018228.D	12/15/03	21:21	06:43	Matrix Spike
OP9282-MSD	W018229.D	12/15/03	21:51	07:13	Matrix Spike Duplicate
F21079-6	W018230.D	12/15/03	22:21	07:43	UST645-MW02
F21079-7	W018231.D	12/15/03	22:51	08:13	UST645-MW18
F21079-8	W018232.D	12/15/03	23:21	08:43	UST645-MW06
F21079-9	W018233.D	12/15/03	23:50	09:12	UST645-MW22

Instrument Performance Check (DFTPP)

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SW948-DFTPP	**Injection Date:**	12/15/03
Lab File ID:	W018214.D	**Injection Time:**	14:38
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F21079-10	W018234.D	12/16/03	00:20	09:42	UST645-MW23
F21079-11	W018235.D	12/16/03	00:50	10:12	UST645-MW09
F21079-12	W018236.D	12/16/03	01:19	10:41	UST645-MW13
F21079-13	W018237.D	12/16/03	01:49	11:11	UST645-MW11
F21079-14	W018238.D	12/16/03	02:19	11:41	UST645-MW12D

Semivolatile Internal Standard Area Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SW948-CC917 **Injection Date:** 12/15/03
Lab File ID: W018215.D **Injection Time:** 14:57
Instrument ID: GCMSW **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	167714	4.77	611181	5.92	293032	8.18	420320	10.67	289309	15.59	177991	18.09
Upper Limit [a]	335428	5.27	1222362	6.42	586064	8.68	840640	11.17	578618	16.09	355982	18.59
Lower Limit [b]	83857	4.27	305591	5.42	146516	7.68	210160	10.17	144655	15.09	88996	17.59

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP9305-BS	220881	4.77	816398	5.92	403108	8.18	584968	10.67	426668	15.59	256948	18.09
OP9305-MB	169322	4.76	615817	5.92	310031	8.17	464416	10.66	355261	15.58	231851	18.08
F21078-1	182209	4.76	683801	5.91	344864	8.17	517023	10.66	377223	15.58	231782	18.08
OP9305-MS	199775	4.77	751087	5.92	374182	8.18	541933	10.67	380348	15.59	223229	18.09
OP9305-MSD	214061	4.77	794903	5.92	399567	8.18	578247	10.67	412514	15.59	247220	18.09
OP9282-BS	198845	4.77	740760	5.92	363917	8.18	530501	10.67	364326	15.59	209085	18.08
OP9282-MB	176690	4.76	662618	5.92	330016	8.17	488408	10.66	332009	15.58	196842	18.08
F21079-1	195200	4.76	727443	5.92	368585	8.17	542863	10.66	366537	15.58	217024	18.08
F21079-2	169573	4.76	648557	5.92	326172	8.17	489777	10.66	339548	15.58	207529	18.08
F21079-3	172660	4.76	647189	5.92	337066	8.18	504132	10.67	356163	15.58	215515	18.08
F21079-4	157958	4.76	602856	5.92	303013	8.17	447278	10.66	329356	15.58	202622	18.08
F21079-5	183261	4.77	684768	5.92	342902	8.17	502793	10.66	356023	15.58	219713	18.08
OP9282-MS	179154	4.77	666119	5.92	326240	8.18	476667	10.67	340460	15.59	205140	18.09
OP9282-MSD	190232	4.77	694535	5.92	335381	8.18	484365	10.67	337862	15.59	199076	18.09
F21079-6	207159	4.77	748955	5.92	365607	8.17	545770	10.67	367379	15.58	212181	18.08
F21079-7	200650	4.77	721012	5.92	355503	8.18	522129	10.66	354084	15.58	205944	18.08
F21079-8	147005	4.76	545610	5.92	271668	8.17	403858	10.66	285948	15.57	174552	18.08
F21079-9	178753	4.76	650103	5.92	322778	8.17	462998	10.66	333650	15.58	197992	18.08
F21079-10	166067	4.76	616846	5.92	308906	8.17	458034	10.66	332906	15.58	199384	18.08
F21079-11	148189	4.76	562781	5.92	282989	8.17	421339	10.66	302530	15.58	187529	18.08
F21079-12	153069	4.76	582755	5.92	293181	8.17	429604	10.66	298494	15.57	180427	18.08
F21079-13	145865	4.76	554337	5.92	283117	8.17	424385	10.66	307583	15.58	190501	18.08
F21079-14	161822	4.77	613923	5.92	314160	8.17	476235	10.66	335869	15.58	200755	18.08

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
F21079-1	W018223.D	82.0	80.0	93.0
F21079-2	W018224.D	87.0	83.0	91.0
F21079-3	W018225.D	93.0	88.0	94.0
F21079-4	W018226.D	81.0	81.0	89.0
F21079-5	W018227.D	75.0	70.0	85.0
F21079-6	W018230.D	86.0	84.0	88.0
F21079-7	W018231.D	97.0	91.0	99.0
F21079-8	W018232.D	92.0	89.0	97.0
F21079-9	W018233.D	81.0	79.0	88.0
F21079-10	W018234.D	83.0	80.0	87.0
F21079-11	W018235.D	78.0	78.0	85.0
F21079-12	W018236.D	82.0	81.0	88.0
F21079-13	W018237.D	85.0	83.0	92.0
F21079-14	W018238.D	84.0	84.0	91.0
OP9282-BS	W018221.D	91.0	89.0	94.0
OP9282-MB	W018222.D	85.0	83.0	93.0
OP9282-MS	W018228.D	85.0	83.0	90.0
OP9282-MSD	W018229.D	86.0	84.0	91.0

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	49-119%
S2 = 2-Fluorobiphenyl	45-118%
S3 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW917-ICC917
Lab FileID: W017553.D

Response Factor Report MSBNA01

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Fri Oct 24 12:58:44 2003
Response via : Initial Calibration

Calibration Files
5 =W017550.D 25 =W017551.D 50 =W017552.D
75 =W017553.D 100 =W017554.D 125 =W017555.D

		Compound	5	25	50	75	100	125	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------			ISTD	----------			
2)		1,4-Dioxane	0.410	0.453	0.439	0.454	0.452	0.440	0.441	3.72
3)		N-nitrosodimethylam	0.552	0.594	0.583	0.589	0.580	0.569	0.578	2.62
4)		Pyridine	1.075	1.157	1.154	1.171	1.133	1.119	1.135	3.07
5)		Benzaldehyde	1.034	0.729	0.499	0.461	0.395	0.222	0.557	51.34
6)		Aniline	1.710	1.756	1.673	1.642	1.601	1.539	1.653	4.70
7)	S	2-Fluorophenol	1.151	1.185	1.140	1.153	1.153	1.133	1.153	1.54
8)		bis(2-Chloroethyl)e	1.094	1.160	1.131	1.160	1.139	1.140	1.137	2.13
9)	S	Phenol-d5	1.382	1.406	1.357	1.370	1.347	1.291	1.359	2.89
10)	C	Phenol	1.574	1.612	1.564	1.567	1.555	1.506	1.563	2.19
11)		2-Chlorophenol	1.323	1.365	1.333	1.362	1.341	1.358	1.347	1.30
12)		1,3-Dichlorobenzene	1.522	1.526	1.489	1.502	1.461	1.482	1.497	1.66
13)	C	1,4-Dichlorobenzene	1.572	1.576	1.517	1.543	1.521	1.506	1.539	1.93
14)		1,2-Dichlorobenzene	1.474	1.455	1.411	1.425	1.410	1.375	1.425	2.49
15)		Benzyl alcohol	0.709	0.812	0.789	0.795	0.789	0.783	0.779	4.60
16)		bis(2-chloroisoprop	1.948	1.937	1.860	1.860	1.812	1.766	1.864	3.78
17)		2-Methylphenol	1.144	1.148	1.123	1.133	1.131	1.140	1.137	0.81
18)		Acetophenone	1.808	1.878	1.858	1.849	1.799	1.777	1.828	2.15
19)		Hexachloroethane	0.560	0.584	0.558	0.564	0.555	0.560	0.563	1.89
20)	P	N-Nitroso-di-n-prop	0.804	0.846	0.818	0.810	0.792	0.820	0.815	2.25
21)		3&4-Methylphenol	1.174	1.218	1.172	1.187	1.172	1.166	1.182	1.64
22)	I	Naphthalene-d8	----------			ISTD	----------			
23)	S	Nitrobenzene-d5	0.314	0.331	0.320	0.328	0.327	0.323	0.324	1.86
24)		Nitrobenzene	0.331	0.323	0.310	0.323	0.319	0.315	0.320	2.21
25)		Isophorone	0.568	0.580	0.559	0.566	0.567	0.577	0.569	1.35
26)	C	2-Nitrophenol	0.182	0.200	0.192	0.203	0.199	0.213	0.198	5.32
27)		2,4-Dimethylphenol	0.331	0.331	0.318	0.329	0.327	0.322	0.326	1.59
28)		bis(2-Chloroethoxy)	0.373	0.376	0.368	0.375	0.363	0.369	0.371	1.30
29)		Benzoic Acid	0.170	0.229	0.242	0.250	0.245	0.260	0.233	13.84
30)	C	2,4-Dichlorophenol	0.281	0.291	0.285	0.295	0.291	0.290	0.289	1.74
31)		1,2,4-Trichlorobenz	0.302	0.304	0.298	0.307	0.302	0.304	0.303	0.94
32)		Naphthalene	1.032	1.030	1.000	1.015	1.004	0.980	1.010	1.94
33)		4-Chloroaniline	0.414	0.423	0.400	0.410	0.397	0.385	0.405	3.38
34)		2,6-Dichlorophenol	0.285	0.293	0.282	0.286	0.284	0.281	0.285	1.46
35)	C	Hexachlorobutadiene	0.174	0.177	0.172	0.177	0.173	0.173	0.174	1.17
36)		Caprolactam	0.091	0.106	0.100	0.105	0.092	0.105	0.100	6.92
37)	C	4-Chloro-3-methylph	0.256	0.272	0.263	0.265	0.262	0.267	0.264	2.06
38)		2-Methylnaphthalene	0.677	0.685	0.661	0.670	0.648	0.648	0.665	2.29
39)		1-Methylnaphthalene	0.653	0.660	0.632	0.645	0.625	0.627	0.640	2.24
40)		1,2,4,5-Tetrachloro	0.288	0.297	0.289	0.295	0.287	0.292	0.291	1.42
41)	I	Acenaphthene-d10	----------			ISTD	----------			
42)	P	Hexachlorocyclopent	0.094	0.201	0.244	0.252	0.267	0.292	0.225	31.51

----- Quadratic regression ----- Coefficient = 0.9993
Response Ratio = -0.01260 + 0.20886 *A + 0.02725 *A^2

Initial Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW917-ICC917
Lab FileID: W017553.D

43)	C	2,4,6-Trichlorophen	0.356	0.386	0.388	0.391	0.414	0.405	0.390	5.11
44)		2,4,5-Trichlorophen	0.393	0.411	0.409	0.415	0.406	0.413	0.408	1.94
45)	S	2-Fluorobiphenyl	1.373	1.373	1.376	1.398	1.411	1.402	1.389	1.21
46)		1,1'-Biphenyl	1.700	1.748	1.765	1.750	1.791	1.718	1.745	1.89
47)		2-Chloronaphthalene	1.195	1.206	1.186	1.210	1.217	1.185	1.200	1.11
48)		2-Nitroaniline	0.310	0.333	0.326	0.333	0.327	0.322	0.325	2.65
49)		Acenaphthylene	1.696	1.767	1.738	1.750	1.748	1.734	1.739	1.38
50)		Dimethylphthalate	1.287	1.291	1.239	1.280	1.209	1.278	1.264	2.61
51)		2,6-Dinitrotoluene	0.278	0.307	0.298	0.308	0.296	0.303	0.298	3.71
52)	C	Acenaphthene	1.215	1.236	1.213	1.199	1.200	1.185	1.208	1.45
53)		3-Nitroaniline	0.322	0.348	0.328	0.343	0.328	0.329	0.333	3.12
54)	P	2,4-Dinitrophenol	0.072	0.175	0.198	0.210	0.200	0.215	0.178	30.35

----- Quadratic regression ----- Coefficient = 0.9978
Response Ratio = -0.03207 + 0.20251 *A + 0.00246 *A^2

55)		Dibenzofuran	1.663	1.678	1.651	1.646	1.628	1.567	1.639	2.38
56)		2,4-Dinitrotoluene	0.387	0.410	0.404	0.425	0.388	0.401	0.402	3.56
57)	P	4-Nitrophenol	0.131	0.151	0.146	0.154	0.138	0.145	0.144	5.92
58)		2,3,4,6-Tetrachloro	0.234	0.287	0.279	0.291	0.279	0.295	0.278	7.98
59)		Fluorene	1.274	1.335	1.283	1.312	1.283	1.263	1.292	2.07
60)		4-Chlorophenyl-phen	0.601	0.611	0.593	0.591	0.580	0.581	0.593	1.99
61)		Diethylphthalate	1.301	1.342	1.280	1.326	1.205	1.281	1.289	3.70
62)		4-Nitroaniline	0.308	0.344	0.314	0.341	0.288	0.259	0.309	10.52
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-methy	0.111	0.154	0.161	0.169	0.167	0.149	0.152	14.17
65)	C	n-Nitrosodiphenylam	0.582	0.590	0.589	0.576	0.600	0.608	0.591	1.98
66)		1,2-Diphenylhydrazi	0.799	0.803	0.789	0.766	0.788	0.876	0.803	4.71
67)	S	2,4,6-Tribromopheno	0.087	0.090	0.089	0.089	0.091	0.094	0.090	2.60
68)		4-Bromophenyl-pheny	0.209	0.208	0.210	0.206	0.218	0.213	0.210	2.07
69)		Hexachlorobenzene	0.204	0.205	0.204	0.203	0.213	0.207	0.206	1.88
70)		Atrazine	0.222	0.226	0.217	0.212	0.207	0.200	0.214	4.51
71)	C	Pentachlorophenol	0.073	0.111	0.120	0.128	0.126	0.134	0.115	19.11

----- Quadratic regression ----- Coefficient = 0.9990
Response Ratio = -0.00996 + 0.11611 *A + 0.00300 *A^2

72)		Phenanthrene	1.174	1.169	1.133	1.148	1.168	1.116	1.151	2.01
73)		Anthracene	1.180	1.187	1.156	1.169	1.144	1.123	1.160	2.06
74)		Carbazole	1.091	1.094	1.048	1.114	1.030	1.033	1.068	3.35
75)		Di-n-butylphthalate	1.342	1.442	1.390	1.457	1.313	1.353	1.383	4.14
76)	C	Fluoranthene	1.083	1.126	1.045	1.147	1.014	1.020	1.072	5.19
77)	I	Chrysene-d12	----------ISTD----------							
78)		Benzidine	0.632	0.445	0.346	0.355	0.299	0.266	0.391	34.03

----- Quadratic regression ----- Coefficient = 0.9938
Response Ratio = 0.02562 + 0.41981 *A + -0.05149 *A^2

79)		Pyrene	1.496	1.594	1.541	1.572	1.536	1.675	1.569	3.94
80)	S	Terphenyl-d14	0.880	0.963	0.932	0.938	0.918	1.004	0.939	4.47
81)		Butylbenzylphthalat	0.672	0.787	0.763	0.798	0.724	0.830	0.762	7.46
82)		3,3'-Dichlorobenzid	0.427	0.432	0.410	0.408	0.385	0.369	0.405	5.98
83)		Benzo[a]anthracene	1.197	1.239	1.197	1.214	1.192	1.257	1.216	2.16
84)		Chrysene	1.207	1.212	1.165	1.182	1.160	1.158	1.181	2.04
85)		bis(2-Ethylhexyl)ph	0.964	1.101	1.089	1.129	1.018	1.173	1.079	7.04
86)	I	Perylene-d12	----------ISTD----------							
87)	C	Di-n-octylphthalate	2.373	2.868	3.016	3.031	2.722	3.327	2.890	11.19
88)		Benzo[b]fluoranthen	1.575	1.717	1.703	1.752	1.671	1.828	1.708	4.94
89)		Benzo[k]fluoranthen	1.663	1.782	1.743	1.737	1.712	1.667	1.717	2.69

Initial Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW917-ICC917
Lab FileID: W017553.D

90)	C	Benzo[a]pyrene	1.464	1.524	1.492	1.508	1.481	1.487	1.493	1.39
91)		Indeno[1,2,3-cd]pyr	1.124	1.191	1.067	1.168	1.191	1.111	1.142	4.38
92)		Dibenz[a,h]anthrace	1.177	1.232	1.130	1.208	1.200	1.106	1.175	4.12
93)		Benzo[g,h,i]perylen	1.320	1.294	1.165	1.231	1.266	1.139	1.236	5.82

(#) = Out of Range

8270C.M Sun Oct 26 12:52:52 2003 MSBNA01

Continuing Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW948-CC917
Lab FileID: W018215.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\121503\W018215.D Vial: 2
Acq On : 15 Dec 2003 2:57 pm Operator: marke
Sample : cc917-75 Inst : MSBNA01
Misc : op9273,sw948,30.1,,,1,1,soil Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Dec 16 09:59:36 2003
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	4.77
2		1,4-Dioxane	0.441	0.428	2.9	100	-0.06	1.14
3		N-nitrosodimethylamine	0.578	0.659	-14.0	119	-0.08	1.76
4		Pyridine	1.135	1.142	-0.6	104	-0.06	1.80
5		Benzaldehyde	0.557	0.371	33.4#	85	0.00	4.42
6		Aniline	1.653	1.665	-0.7	108	0.00	4.51
7	S	2-Fluorophenol	1.153	1.224	-6.2	113	-0.05	3.67
8		bis(2-Chloroethyl)ether	1.137	1.164	-2.4	107	0.00	4.57
9	S	Phenol-d5	1.359	1.432	-5.4	111	0.00	4.52
10	C	Phenol	1.563	1.646	-5.3	111	0.00	4.53
11		2-Chlorophenol	1.347	1.442	-7.1	112	0.00	4.60
12		1,3-Dichlorobenzene	1.497	1.593	-6.4	113	0.00	4.72
13	C	1,4-Dichlorobenzene	1.539	1.649	-7.1	113	0.00	4.78
14		1,2-Dichlorobenzene	1.425	1.527	-7.2	114	0.00	4.90
15		Benzyl alcohol	0.779	0.806	-3.5	108	0.00	4.90
16		bis(2-chloroisopropyl)eth	1.864	2.045	-9.7	117	0.00	5.00
17		2-Methylphenol	1.137	1.219	-7.2	114	0.01	5.00
18		Acetophenone	1.828	1.930	-5.6	111	0.00	5.12
19		Hexachloroethane	0.563	0.604	-7.3	114	0.00	5.19
20	P	N-Nitroso-di-n-propylamin	0.815	0.861	-5.6	113	0.00	5.13
21		3&4-Methylphenol	1.182	1.281	-8.4	115	0.01	5.13
22	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00	5.92
23	S	Nitrobenzene-d5	0.324	0.350	-8.0	114	0.00	5.25
24		Nitrobenzene	0.320	0.347	-8.4	115	0.00	5.27
25		Isophorone	0.569	0.608	-6.9	114	0.00	5.49
26	C	2-Nitrophenol	0.198	0.216	-9.1	113	0.00	5.56
27		2,4-Dimethylphenol	0.326	0.350	-7.4	113	0.01	5.61
28		bis(2-Chloroethoxy)methan	0.371	0.394	-6.2	112	0.00	5.69
29		Benzoic Acid	0.233	0.266	-14.2	113	0.00	5.82
30	C	2,4-Dichlorophenol	0.289	0.318	-10.0	115	0.00	5.80
31		1,2,4-Trichlorobenzene	0.303	0.338	-11.6	117	0.00	5.86
32		Naphthalene	1.010	1.094	-8.3	115	0.00	5.95
33		4-Chloroaniline	0.405	0.420	-3.7	109	0.00	6.01
34		2,6-Dichlorophenol	0.285	0.309	-8.4	115	0.00	6.02
35	C	Hexachlorobutadiene	0.174	0.194	-11.5	117	0.00	6.07
36		Caprolactam	0.100	0.101	-1.0	102	0.06	6.53
37	C	4-Chloro-3-methylphenol	0.264	0.276	-4.5	111	0.03	6.58
38		2-Methylnaphthalene	0.665	0.714	-7.4	114	0.00	6.73
39		1-Methylnaphthalene	0.640	0.677	-5.8	112	0.00	6.85
40		1,2,4,5-Tetrachlorobenzen	0.291	0.324	-11.3	117	0.01	6.94

Continuing Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW948-CC917
Lab FileID: W018215.D

41	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	8.18
			True	Calc.	% Drift			
42	P	Hexachlorocyclopentadiene	75.000	77.663	-3.6	108	-0.02	6.92
			AvgRF	CCRF	% Dev			
43	C	2,4,6-Trichlorophenol	0.390	0.433	-11.0	114	-0.01	7.11
44		2,4,5-Trichlorophenol	0.408	0.466	-14.2	115	0.00	7.17
45	S	2-Fluorobiphenyl	1.389	1.554	-11.9	114	-0.01	7.22
46		1,1'-Biphenyl	1.745	1.929	-10.5	113	-0.01	7.35
47		2-Chloronaphthalene	1.200	1.338	-11.5	113	-0.01	7.38
48		2-Nitroaniline	0.325	0.357	-9.8	110	0.00	7.54
49		Acenaphthylene	1.739	1.902	-9.4	111	0.00	7.96
50		Dimethylphthalate	1.264	1.359	-7.5	109	0.00	7.83
51		2,6-Dinitrotoluene	0.298	0.323	-8.4	107	0.01	7.92
52	C	Acenaphthene	1.208	1.280	-6.0	109	0.00	8.23
53		3-Nitroaniline	0.333	0.363	-9.0	108	0.00	8.17
			True	Calc.	% Drift			
54	P	2,4-Dinitrophenol	150.000	152.905	-1.9	101	0.03	8.35
			AvgRF	CCRF	% Dev			
55		Dibenzofuran	1.639	1.750	-6.8	109	0.00	8.51
56		2,4-Dinitrotoluene	0.402	0.429	-6.7	103	0.02	8.55
57	P	4-Nitrophenol	0.144	0.148	-2.8	98	0.04	8.53
58		2,3,4,6-Tetrachlorophenol	0.278	0.300	-7.9	106	0.02	8.73
59		Fluorene	1.292	1.376	-6.5	107	0.02	9.06
60		4-Chlorophenyl-phenylethe	0.593	0.637	-7.4	110	0.03	9.10
61		Diethylphthalate	1.289	1.285	0.3	99	0.03	8.97
62		4-Nitroaniline	0.309	0.336	-8.7	101	0.04	9.18
63	I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00	10.67
64		4,6-Dinitro-2-methylpheno	0.152	0.178	-17.1	102	-0.01	9.24
65	C	n-Nitrosodiphenylamine	0.591	0.617	-4.4	103	-0.03	9.32
66		1,2-Diphenylhydrazine	0.803	0.821	-2.2	103	-0.03	9.37
67	S	2,4,6-Tribromophenol	0.090	0.103	-14.4	111	-0.02	9.48
68		4-Bromophenyl-phenylether	0.210	0.231	-10.0	108	-0.01	9.93
69		Hexachlorobenzene	0.206	0.232	-12.6	110	-0.02	9.99
70		Atrazine	0.214	0.210	1.9	95	0.00	10.31
			True	Calc.	% Drift			
71	C	Pentachlorophenol	150.000	141.310	5.8	88	0.00	10.38
			AvgRF	CCRF	% Dev			
72		Phenanthrene	1.151	1.232	-7.0	103	0.00	10.72
73		Anthracene	1.160	1.221	-5.3	100	0.00	10.81
74		Carbazole	1.068	1.108	-3.7	96	0.02	11.15
75		Di-n-butylphthalate	1.383	1.401	-1.3	92	0.03	11.92
76	C	Fluoranthene	1.072	1.131	-5.5	95	0.02	12.89
77	I	Chrysene-d12	1.000	1.000	0.0	89	0.00	15.59
			True	Calc.	% Drift			
78		Benzidine	75.000	59.258	21.0#	72	-0.04	13.23
			AvgRF	CCRF	% Dev			
79		Pyrene	1.569	1.683	-7.3	95	-0.06	13.29
80	S	Terphenyl-d14	0.939	0.993	-5.8	94	-0.04	13.70
81		Butylbenzylphthalate	0.762	0.780	-2.4	87	0.00	14.72
82		3,3'-Dichlorobenzidine	0.405	0.445	-9.9	97	0.00	15.61

Continuing Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW948-CC917
Lab FileID: W018215.D

83		Benzo[a]anthracene	1.216	1.295	-6.5	95	0.00	15.57
84		Chrysene	1.181	1.280	-8.4	97	0.00	15.64
85		bis(2-Ethylhexyl)phthalat	1.079	1.053	2.4	83	0.02	15.90
86	I	Perylene-d12	1.000	1.000	0.0	97	0.00	18.09
87	C	Di-n-octylphthalate	2.890	2.615	9.5	84	0.00	17.09
88		Benzo[b]fluoranthene	1.708	1.802	-5.5	100	0.01	17.48
89		Benzo[k]fluoranthene	1.717	1.827	-6.4	102	0.01	17.53
90	C	Benzo[a]pyrene	1.493	1.597	-7.0	103	0.00	18.00
91		Indeno[1,2,3-cd]pyrene	1.142	1.284	-12.4	107	0.03	19.68
92		Dibenz[a,h]anthracene	1.175	1.286	-9.4	103	0.03	19.72
93		Benzo[g,h,i]perylene	1.236	1.359	-10.0	107	0.04	20.03

(2.3 %) 2 of 87 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W017553.D 8270C.M Tue Dec 16 12:59:34 2003 MSBNA01

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF2021-MB	EF033294.D	1	12/17/03	JG	n/a	n/a	GEF2021

The QC reported here applies to the following samples: **Method:** EPA 601/602

F21079-5, F21079-6, F21079-10, F21079-11, F21079-12, F21079-13, F21079-14, F21079-15

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	93%	70-123%
98-08-8	aaa-Trifluorotoluene	97%	73-122%

Method Blank Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF2020-MB	EF033265.D	1	12/16/03	CV	n/a	n/a	GEF2020

The QC reported here applies to the following samples: **Method:** SW846 8021B

F21079-1, F21079-2, F21079-3, F21079-4, F21079-5, F21079-6, F21079-7, F21079-8, F21079-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	91%	70-123%
98-08-8	aaa-Trifluorotoluene	95%	73-122%

Blank Spike Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF2021-BS	EF033293.D	1	12/17/03	JG	n/a	n/a	GEF2021

The QC reported here applies to the following samples: **Method:** EPA 601/602

F21079-5, F21079-6, F21079-10, F21079-11, F21079-12, F21079-13, F21079-14, F21079-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	21.8	109	86-121
108-90-7	Chlorobenzene	20	20.3	102	81-119
95-50-1	1,2-Dichlorobenzene	20	19.9	100	75-120
541-73-1	1,3-Dichlorobenzene	20	20.1	101	77-121
106-46-7	1,4-Dichlorobenzene	20	19.9	100	75-122
100-41-4	Ethylbenzene	20	20.7	104	81-126
1634-04-4	Methyl Tert Butyl Ether	20	19.4	97	76-117
108-88-3	Toluene	20	21.1	106	82-123
1330-20-7	Xylenes (total)	60	63.8	106	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	105%	70-123%
98-08-8	aaa-Trifluorotoluene	105%	73-122%

Blank Spike Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF2020-BS	EF033264.D	1	12/16/03	CV	n/a	n/a	GEF2020

The QC reported here applies to the following samples: **Method:** SW846 8021B

F21079-1, F21079-2, F21079-3, F21079-4, F21079-5, F21079-6, F21079-7, F21079-8, F21079-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.5	103	86-121
108-90-7	Chlorobenzene	20	19.0	95	81-119
95-50-1	1,2-Dichlorobenzene	20	17.8	89	75-120
541-73-1	1,3-Dichlorobenzene	20	18.3	92	77-121
106-46-7	1,4-Dichlorobenzene	20	17.9	90	75-122
100-41-4	Ethylbenzene	20	20.0	100	81-126
1634-04-4	Methyl Tert Butyl Ether	20	18.8	94	76-117
108-88-3	Toluene	20	19.7	99	82-123
1330-20-7	Xylenes (total)	60	61.7	103	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	101%	70-123%
98-08-8	aaa-Trifluorotoluene	99%	73-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F21079-1MS	EF033267.D	1	12/16/03	CV	n/a	n/a	GEF2020
F21079-1MSD	EF033268.D	1	12/16/03	CV	n/a	n/a	GEF2020
F21079-1 [a]	EF033266.D	1	12/16/03	CV	n/a	n/a	GEF2020

The QC reported here applies to the following samples: **Method:** EPA 601/602

F21079-1, F21079-2, F21079-3, F21079-4, F21079-5, F21079-6, F21079-7, F21079-8, F21079-9

CAS No.	Compound	F21079-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.3	107	21.6	108	1	77-125/6
108-90-7	Chlorobenzene	ND		20	19.4	97	19.6	98	1	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	18.2	91	18.7	94	3	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	18.8	94	19.2	96	2	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	18.5	93	18.8	94	2	67-129/7
100-41-4	Ethylbenzene	0.87	J	20	20.5	98	20.4	98	0	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	18.9	95	19.0	95	1	66-127/9
108-88-3	Toluene	0.94	J	20	21.0	100	21.2	101	1	77-124/5
1330-20-7	Xylenes (total)	1.4	J	60	61.9	101	62.3	102	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F21079-1	Limits
352-33-0	1-Chloro-4-fluorobenzene	102%	104%	87%	70-123%
98-08-8	aaa-Trifluorotoluene	100%	104%	91%	73-122%

(a) All hits confirmed by dual column analysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F21116-5MS	EF033300.D	5	12/17/03	JG	n/a	n/a	GEF2021
F21116-5MSD	EF033301.D	5	12/17/03	JG	n/a	n/a	GEF2021
F21116-5 [a]	EF033299.D	5	12/17/03	JG	n/a	n/a	GEF2021

The QC reported here applies to the following samples: **Method:** EPA 601/602

F21079-5, F21079-6, F21079-10, F21079-11, F21079-12, F21079-13, F21079-14, F21079-15

CAS No.	Compound	F21116-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	34.1		100	137	103	138	104	1	77-125/6
108-90-7	Chlorobenzene	ND		100	97.5	98	97.9	98	0	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		100	90.8	91	97.0	97	7	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		100	94.1	94	97.7	98	4	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		100	93.4	93	96.4	96	3	67-129/7
100-41-4	Ethylbenzene	57.6		100	153	95	154	96	1	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		100	92.9	93	94.8	95	2	66-127/9
108-88-3	Toluene	118		100	214	96	214	96	0	77-124/5
1330-20-7	Xylenes (total)	197		300	490	98	494	99	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F21116-5	Limits
352-33-0	1-Chloro-4-fluorobenzene	101%	102%	99%	70-123%
98-08-8	aaa-Trifluorotoluene	100%	101%	100%	73-122%

(a) All hits confirmed by dual column analysis.

Volatile Surrogate Recovery Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F21079-1	EF033266.D	87.0	91.0
F21079-2	EF033279.D	103.0	103.0
F21079-3	EF033280.D	102.0	102.0
F21079-4	EF033282.D	93.0	99.0
F21079-5	EF033297.D	106.0	108.0
F21079-5	EF033283.D	110.0	112.0
F21079-6	EF033298.D	104.0	107.0
F21079-6	EF033284.D	111.0	121.0
F21079-7	EF033287.D	98.0	98.0
F21079-8	EF033285.D	89.0	92.0
F21079-9	EF033286.D	93.0	96.0
F21079-10	EF033304.D	89.0	95.0
F21079-11	EF033305.D	90.0	94.0
F21079-12	EF033306.D	91.0	95.0
F21079-13	EF033307.D	91.0	96.0
F21079-14	EF033308.D	98.0	98.0
F21079-15	EF033309.D	92.0	96.0
F21079-1MS	EF033267.D	102.0	100.0
F21079-1MSD	EF033268.D	104.0	104.0
F21116-5MS	EF033300.D	101.0	100.0
F21116-5MSD	EF033301.D	102.0	101.0
GEF2021-BS	EF033293.D	105.0	105.0
GEF2021-MB	EF033294.D	93.0	97.0

Surrogate Compounds	Recovery Limits
S1 = 1-Chloro-4-fluorobenzene	70-123%
S2 = aaa-Trifluorotoluene	73-122%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF2020-CC2017	**Injection Date:**	12/16/03
Lab File ID:	EF033270.D	**Injection Time:**	23:25
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.84	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	EF033271.D	12/16/03	23:49	8.85	5.78
ZZZZZZ	EF033272.D	12/17/03	00:13	8.85	5.78
ZZZZZZ	EF033273.D	12/17/03	00:37	8.85	5.78
ZZZZZZ	EF033274.D	12/17/03	01:01	8.85	5.78
ZZZZZZ	EF033275.D	12/17/03	01:25	8.84	5.77
ZZZZZZ	EF033276.D	12/17/03	01:50	8.85	5.78
ZZZZZZ	EF033277.D	12/17/03	02:14	8.84	5.77
ZZZZZZ	EF033278.D	12/17/03	02:38	8.84	5.77
F21079-2	EF033279.D	12/17/03	03:02	8.84	5.77
F21079-3	EF033280.D	12/17/03	03:26	8.84	5.77

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GEF2020-CC2017
Lab File ID: EF033281.D
Instrument ID: GCEF
Injection Date: 12/17/03
Injection Time: 03:51
Method: EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	9.04	8.84	5.98	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
F21079-4	EF033282.D	12/17/03	04:15		8.85		5.78
F21079-5	EF033283.D	12/17/03	04:39		8.84		5.77
F21079-6	EF033284.D	12/17/03	05:04		8.84		5.77
F21079-8	EF033285.D	12/17/03	05:28		8.84		5.77
F21079-9	EF033286.D	12/17/03	05:52		8.84		5.77
F21079-7	EF033287.D	12/17/03	06:19		8.84		5.77
GEF2020-ECC201	EF033291.D	12/17/03	08:01	9.05	8.85	5.98	5.77

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF2021-CC2017	**Injection Date:**	12/17/03
Lab File ID:	EF033292.D	**Injection Time:**	08:37
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.84	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF2021-BS	EF033293.D	12/17/03	09:01	8.85	5.78
GEF2021-MB	EF033294.D	12/17/03	09:25	8.85	5.78
ZZZZZZ	EF033295.D	12/17/03	10:05	8.84	5.77
ZZZZZZ	EF033296.D	12/17/03	10:29	8.85	5.78
F21079-5	EF033297.D	12/17/03	10:53	8.85	5.78
F21079-6	EF033298.D	12/17/03	11:20	8.85	5.78
F21116-5	EF033299.D	12/17/03	12:31	8.85	5.78
F21116-5MS	EF033300.D	12/17/03	12:55	8.85	5.78
F21116-5MSD	EF033301.D	12/17/03	13:19	8.85	5.78
ZZZZZZ	EF033302.D	12/17/03	13:44	8.85	5.78

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF2021-CC2017	**Injection Date:**	12/17/03
Lab File ID:	EF033303.D	**Injection Time:**	14:08
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.85	5.78

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F21079-10	EF033304.D	12/17/03	14:33	8.85	5.78
F21079-11	EF033305.D	12/17/03	14:57	8.85	5.78
F21079-12	EF033306.D	12/17/03	15:21	8.85	5.78
F21079-13	EF033307.D	12/17/03	15:45	8.85	5.78
F21079-14	EF033308.D	12/17/03	16:09	8.85	5.78
F21079-15	EF033309.D	12/17/03	16:33	8.85	5.78
ZZZZZZ	EF033311.D	12/17/03	17:28	8.85	5.78
ZZZZZZ	EF033312.D	12/17/03	17:55	8.85	5.78

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF2019-CC2017	**Injection Date:**	12/16/03
Lab File ID:	EF033259.D	**Injection Time:**	18:50
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.85	5.78

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	EF033262.D	12/16/03	20:08	8.85	5.78
GEF2020-BS	EF033264.D	12/16/03	20:59	8.85	5.78
GEF2020-MB	EF033265.D	12/16/03	21:23	8.85	5.78
F21079-1	EF033266.D	12/16/03	21:47	8.85	5.78
F21079-1MS	EF033267.D	12/16/03	22:12	8.85	5.78
F21079-1MSD	EF033268.D	12/16/03	22:36	8.85	5.78
ZZZZZZ	EF033269.D	12/16/03	23:00	8.85	5.78

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF2017-ICC2017
Lab FileID: EF033198.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL1215.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Dec 16 08:32:38 2003
Response via : Initial Calibration

Calibration Files
1 =EF033196.D 2 =EF033197.D 3 =EF033198.D
4 =EF033199.D 5 =EF033200.D 6 =EF033201.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1)	Methyl tert Butyl E	1.688	1.562	1.926	2.030	1.969	2.006	1.864 E3	10.31
	----- Linear regression ----- Coefficient = 0.9997								
	Response Ratio = -1164.65749 + 2010.99987 *A								
2)	Di-Isopropyl ether	2.510	2.405	2.924	3.019	3.014	2.995	2.811 E3	9.88
3)	Benzene	6.028	5.629	6.694	6.910	6.935	6.970	6.528 E3	8.65
4) S	a,a,a-TFT(S)	2.259	2.303	2.136	2.467	2.417	2.503	2.347 E3	5.96
5)	Toluene	5.226	4.929	5.848	6.077	6.120	6.144	5.724 E3	9.09
6) S	1-Chloro-4-Fluorobe	3.485	3.517	3.323	3.869	3.797	3.913	3.651 E3	6.60
7)	Chlorobenzene		5.367	5.863	6.048	6.152	6.089	5.904 E3	5.40
8)	Ethylbenzene		4.639	4.985	5.187	5.188	5.178	5.035 E3	4.72
9)	m,p-Xylene	4.888	4.607	5.382	5.638	5.676	5.613	5.301 E3	8.48
10)	o-Xylene	4.454	4.188	4.909	5.113	5.127	5.084	4.813 E3	8.27
11)	1,3-Dichlorobenzene	4.258	3.506	4.263	4.561	4.670	4.608	4.311 E3	10.02
	----- Linear regression ----- Coefficient = 0.9997								
	Response Ratio = -4127.02496 + 4669.22416 *A								
12)	1,4-Dichlorobenzene	4.495	3.790	4.537	4.892	5.008	4.984	4.618 E3	10.00
	----- Linear regression ----- Coefficient = 0.9997								
	Response Ratio = -5187.01078 + 5041.87850 *A								
13)	1,2-Dichlorobenzene	3.103	2.640	3.192	3.392	3.453	3.398	3.196 E3	9.52

Signal #2

1)	Methyl tert Butyl E		1.209	1.460	1.539	1.475	1.482	1.433 E3	9.00
2)	Di-Isopropyl ether		1.755	2.152	2.221	2.189	2.155	2.094 E3	9.17
3)	Benzene	4.513	4.256	5.130	5.239	5.250	5.258	4.941 E3	8.93
4) S	a,a,a-TFT(S)	1.647	1.676	1.556	1.780	1.750	1.806	1.703 E3	5.53
5)	Toluene		3.631	4.410	4.590	4.620	4.577	4.366 E3	9.59
6) S	1-Chloro-4-Fluorobe	2.382	2.428	2.323	2.712	2.679	2.750	2.546 E3	7.41
7)	Chlorobenzene		4.396	4.557	4.638	4.708	4.624	4.585 E3	2.58
8)	Ethylbenzene	3.895	3.366	3.884	4.065	4.067	4.022	3.883 E3	6.85
9)	m,p-Xylene	3.784	3.594	4.189	4.418	4.445	4.419	4.142 E3	8.87
10)	o-Xylene	3.139	3.038	3.651	3.776	3.809	3.736	3.525 E3	9.74
11)	1,3-Dichlorobenzene	2.847	2.565	3.113	3.349	3.410	3.323	3.101 E3	10.77
	----- Linear regression ----- Coefficient = 0.9995								
	Response Ratio = -2364.03100 + 3377.22474 *A								
12)	1,4-Dichlorobenzene	2.847	2.575	3.178	3.385	3.488	3.437	3.152 E3	11.66
	----- Linear regression ----- Coefficient = 0.9997								
	Response Ratio = -3380.01491 + 3486.77157 *A								
13)	1,2-Dichlorobenzene	2.212	1.937	2.426	2.578	2.664	2.601	2.403 E3	11.65
	----- Linear regression ----- Coefficient = 0.9995								
	Response Ratio = -2315.38772 + 2643.94899 *A								

Initial Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF2017-ICC2017
Lab FileID: EF033198.D

(#) = Out of Range

DUAL1215.M Tue Dec 16 09:38:56 2003 EF

Continuing Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF2019-CC2017
Lab FileID: EF033259.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121603\EF033259.D\FID1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\121603\EF033259.D\FID2B.CH
Acq On : 16 Dec 2003 6:50 pm Operator: ClaireV
Sample : cc2017-20 Inst : VOA1
Misc : gc3037,gef2019,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1215.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Dec 16 08:32:38 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.241	8.8	92	0.00
2		Di-Isopropyl ether	20.000	19.375	3.1	93	0.00
3		Benzene	20.000	19.334	3.3	94	0.00
4	S	a,a,a-TFT(S)	20.000	19.886	0.6	109	0.00
5		Toluene	20.000	19.209	4.0	94	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	19.786	1.1	109	0.00
7		Chlorobenzene	20.000	18.766	6.2	94	0.00
8		Ethylbenzene	20.000	19.038	4.8	96	0.00
9		m,p-Xylene	40.000	38.903	2.7	96	0.00
10		o-Xylene	20.000	19.486	2.6	96	0.00
11		1,3-Dichlorobenzene	20.000	18.270	8.7	95	0.00
12		1,4-Dichlorobenzene	20.000	18.312	8.4	96	0.00
13		1,2-Dichlorobenzene	20.000	19.465	2.7	97	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.870	5.6	93	0.00
2		Di-Isopropyl ether	20.000	19.071	4.6	93	0.00
3		Benzene	20.000	19.446	2.8	94	0.00
4	S	a,a,a-TFT(S)	20.000	19.894	0.5	109	0.00
5		Toluene	20.000	19.021	4.9	94	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	19.801	1.0	109	0.00
7		Chlorobenzene	20.000	18.652	6.7	94	0.00
8		Ethylbenzene	20.000	19.254	3.7	96	0.00
9		m,p-Xylene	40.000	38.878	2.8	96	0.00
10		o-Xylene	20.000	19.799	1.0	96	0.00
11		1,3-Dichlorobenzene	20.000	18.557	7.2	97	0.00
12		1,4-Dichlorobenzene	20.000	18.675	6.6	97	0.00
13		1,2-Dichlorobenzene	20.000	18.717	6.4	97	0.00

Average % D = 4.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF033198.D DUAL1215.M Wed Dec 17 08:58:02 2003 EF

Continuing Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF2020-CC2017
Lab FileID: EF033270.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121603\EF033270.D\FID1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\121603\EF033270.D\FID2B.CH
Acq On : 16 Dec 2003 11:25 pm Operator: ClaireV
Sample : cc2017-20 Inst : VOA1
Misc : gc3029,gef2020,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1215.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Dec 16 08:32:38 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.445	-2.2	104	0.00
2		Di-Isopropyl ether	20.000	21.377	-6.9	103	0.00
3		Benzene	20.000	21.124	-5.6	103	0.00
4	S	a,a,a-TFT(S)	20.000	20.561	-2.8	113	0.00
5		Toluene	20.000	21.059	-5.3	103	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.735	-3.7	114	0.00
7		Chlorobenzene	20.000	20.479	-2.4	103	0.00
8		Ethylbenzene	20.000	20.707	-3.5	105	0.00
9		m,p-Xylene	40.000	42.234	-5.6	104	0.00
10		o-Xylene	20.000	21.260	-6.3	104	0.00
11		1,3-Dichlorobenzene	20.000	19.843	0.8	104	0.00
12		1,4-Dichlorobenzene	20.000	19.653	1.7	103	0.00
13		1,2-Dichlorobenzene	20.000	20.834	-4.2	104	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.487	-7.4	105	0.00
2		Di-Isopropyl ether	20.000	21.320	-6.6	104	0.00
3		Benzene	20.000	21.742	-8.7	105	0.00
4	S	a,a,a-TFT(S)	20.000	20.837	-4.2	114	0.00
5		Toluene	20.000	21.338	-6.7	106	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	21.018	-5.1	115	0.00
7		Chlorobenzene	20.000	20.760	-3.8	104	0.00
8		Ethylbenzene	20.000	21.125	-5.6	106	0.00
9		m,p-Xylene	40.000	42.597	-6.5	105	0.00
10		o-Xylene	20.000	21.704	-8.5	105	0.00
11		1,3-Dichlorobenzene	20.000	20.183	-0.9	106	0.00
12		1,4-Dichlorobenzene	20.000	20.062	-0.3	105	0.00
13		1,2-Dichlorobenzene	20.000	20.009	-0.0	104	0.00

Average % D = 4.4

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF033198.D DUAL1215.M Wed Dec 17 08:58:03 2003 EF

Continuing Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF2020-CC2017
Lab FileID: EF033281.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121603\EF033281.D\FID1A.CH Vial: 42
Signal #2 : C:\HPCHEM\1\DATA\121603\EF033281.D\FID2B.CH
Acq On : 17 Dec 2003 3:51 am Operator: ClaireV
Sample : cc2017-20 Inst : VOA1
Misc : gc3038,gef2020,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1215.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Dec 16 08:32:38 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.978	0.1	101	0.00
2		Di-Isopropyl ether	20.000	21.177	-5.9	102	0.00
3		Benzene	20.000	20.395	-2.0	99	0.00
4	S	a,a,a-TFT(S)	20.000	20.349	-1.7	112	0.00
5		Toluene	20.000	20.076	-0.4	98	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.493	-2.5	113	0.00
7		Chlorobenzene	20.000	19.772	1.1	100	0.00
8		Ethylbenzene	20.000	20.262	-1.3	102	0.00
9		m,p-Xylene	40.000	41.787	-4.5	103	0.00
10		o-Xylene	20.000	21.053	-5.3	103	0.00
11		1,3-Dichlorobenzene	20.000	19.999	0.0	105	0.00
12		1,4-Dichlorobenzene	20.000	19.895	0.5	105	0.00
13		1,2-Dichlorobenzene	20.000	21.753	-8.8	109	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.757	-3.8	102	0.00
2		Di-Isopropyl ether	20.000	21.013	-5.1	102	0.00
3		Benzene	20.000	20.789	-3.9	100	0.00
4	S	a,a,a-TFT(S)	20.000	20.524	-2.6	112	0.00
5		Toluene	20.000	20.044	-0.2	99	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.735	-3.7	114	0.00
7		Chlorobenzene	20.000	19.992	0.0	101	0.00
8		Ethylbenzene	20.000	20.688	-3.4	103	0.00
9		m,p-Xylene	40.000	42.183	-5.5	104	0.00
10		o-Xylene	20.000	21.540	-7.7	104	0.00
11		1,3-Dichlorobenzene	20.000	20.528	-2.6	108	0.00
12		1,4-Dichlorobenzene	20.000	20.304	-1.5	106	0.00
13		1,2-Dichlorobenzene	20.000	20.492	-2.5	107	0.00

Average % D = 2.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF033198.D DUAL1215.M Wed Dec 17 08:58:04 2003 EF

Continuing Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF2020-ECC2017
Lab FileID: EF033291.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121603\EF033291.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\121603\EF033291.D\FID2B.CH
Acq On : 17 Dec 2003 8:01 am Operator: ClaireV
Sample : ecc2017-20 Inst : VOA1
Misc : gc3029,gef2020,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1215.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Dec 16 08:32:38 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.412	7.9	93	0.00
2		Di-Isopropyl ether	20.000	19.351	3.2	93	0.00
3		Benzene	20.000	19.248	3.8	94	0.00
4	S	a,a,a-TFT(S)	20.000	19.290	3.6	106	0.00
5		Toluene	20.000	19.305	3.5	94	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	19.460	2.7	107	0.00
7		Chlorobenzene	20.000	18.765	6.2	94	0.01
8		Ethylbenzene	20.000	18.901	5.5	95	0.01
9		m,p-Xylene	40.000	39.048	2.4	96	0.01
10		o-Xylene	20.000	19.445	2.8	95	0.01
11		1,3-Dichlorobenzene	20.000	18.703	6.5	98	0.00
12		1,4-Dichlorobenzene	20.000	18.684	6.6	98	0.00
13		1,2-Dichlorobenzene	20.000	19.931	0.3	100	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.737	1.3	97	0.00
2		Di-Isopropyl ether	20.000	19.705	1.5	96	0.00
3		Benzene	20.000	20.113	-0.6	97	0.00
4	S	a,a,a-TFT(S)	20.000	20.137	-0.7	110	0.00
5		Toluene	20.000	19.699	1.5	98	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.379	-1.9	112	0.00
7		Chlorobenzene	20.000	19.520	2.4	98	0.00
8		Ethylbenzene	20.000	19.814	0.9	99	0.00
9		m,p-Xylene	40.000	39.923	0.2	99	0.00
10		o-Xylene	20.000	20.555	-2.8	99	0.00
11		1,3-Dichlorobenzene	20.000	19.482	2.6	102	0.00
12		1,4-Dichlorobenzene	20.000	19.394	3.0	101	0.00
13		1,2-Dichlorobenzene	20.000	19.866	0.7	103	0.00

Average % D = 2.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF033198.D DUAL1215.M Wed Dec 17 08:58:06 2003 EF

Continuing Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF2021-CC2017
Lab FileID: EF033292.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121703\EF033292.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\121703\EF033292.D\FID2B.CH
Acq On : 17 Dec 2003 8:37 am Operator: ClaireV
Sample : CC2017-40 Inst : VOA1
Misc : gc3029,gef2021,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1215.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Dec 16 08:32:38 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	36.339	9.2	89	0.00
2		Di-Isopropyl ether	40.000	40.857	-2.1	95	0.00
3		Benzene	40.000	41.897	-4.7	99	0.00
4	S	a,a,a-TFT(S)	20.000	20.483	-2.4	97	0.00
5		Toluene	40.000	42.883	-7.2	101	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	21.409	-7.0	101	0.00
7		Chlorobenzene	40.000	41.668	-4.2	102	0.00
8		Ethylbenzene	40.000	42.320	-5.8	103	0.00
9		m,p-Xylene	80.000	87.031	-8.8	102	0.00
10		o-Xylene	40.000	43.424	-8.6	102	0.00
11		1,3-Dichlorobenzene	40.000	42.046	-5.1	105	0.00
12		1,4-Dichlorobenzene	40.000	41.964	-4.9	105	0.00
13		1,2-Dichlorobenzene	40.000	44.969	-12.4	106	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	40.382	-1.0	94	0.00
2		Di-Isopropyl ether	40.000	41.930	-4.8	99	0.00
3		Benzene	40.000	43.516	-8.8	103	0.00
4	S	a,a,a-TFT(S)	20.000	21.395	-7.0	102	0.00
5		Toluene	40.000	43.656	-9.1	104	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	22.413	-12.1	105	0.00
7		Chlorobenzene	40.000	42.544	-6.4	105	0.00
8		Ethylbenzene	40.000	43.576	-8.9	104	0.00
9		m,p-Xylene	80.000	90.120	-12.7	106	0.00
10		o-Xylene	40.000	45.377	-13.4	106	0.00
11		1,3-Dichlorobenzene	40.000	44.110	-10.3	109	0.00
12		1,4-Dichlorobenzene	40.000	42.921	-7.3	108	0.00
13		1,2-Dichlorobenzene	40.000	44.295	-10.7	111	0.00

Average % D = 7.5

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF033199.D DUAL1215.M Thu Dec 18 09:42:31 2003 EF

Continuing Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF2021-CC2017
Lab FileID: EF033303.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121703\EF033303.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\121703\EF033303.D\FID2B.CH
Acq On : 17 Dec 2003 2:08 pm Operator: ClaireV
Sample : cc2017-20 Inst : VOA1
Misc : gc3038,gef2021,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1215.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Dec 16 08:32:38 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.457	2.7	99	0.00
2		Di-Isopropyl ether	20.000	20.824	-4.1	100	0.00
3		Benzene	20.000	21.046	-5.2	103	0.01
4	S	a,a,a-TFT(S)	20.000	19.597	2.0	108	0.01
5		Toluene	20.000	20.949	-4.7	103	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	19.827	0.9	109	0.01
7		Chlorobenzene	20.000	20.295	-1.5	102	0.01
8		Ethylbenzene	20.000	20.463	-2.3	103	0.01
9		m,p-Xylene	40.000	41.966	-4.9	103	0.01
10		o-Xylene	20.000	20.896	-4.5	102	0.01
11		1,3-Dichlorobenzene	20.000	19.558	2.2	102	0.01
12		1,4-Dichlorobenzene	20.000	19.636	1.8	103	0.01
13		1,2-Dichlorobenzene	20.000	20.464	-2.3	102	0.01

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.485	-2.4	101	0.00
2		Di-Isopropyl ether	20.000	20.895	-4.5	102	0.00
3		Benzene	20.000	21.680	-8.4	104	0.00
4	S	a,a,a-TFT(S)	20.000	20.210	-1.1	111	0.00
5		Toluene	20.000	21.334	-6.7	106	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.449	-2.2	112	0.00
7		Chlorobenzene	20.000	20.785	-3.9	105	0.00
8		Ethylbenzene	20.000	21.307	-6.5	107	0.00
9		m,p-Xylene	40.000	43.122	-7.8	107	0.00
10		o-Xylene	20.000	21.991	-10.0	106	0.00
11		1,3-Dichlorobenzene	20.000	20.441	-2.2	107	0.00
12		1,4-Dichlorobenzene	20.000	20.348	-1.7	106	0.00
13		1,2-Dichlorobenzene	20.000	20.296	-1.5	106	0.00

Average % D = 3.8

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF033198.D DUAL1215.M Thu Dec 18 09:43:54 2003 EF

Continuing Calibration Summary

Job Number: F21079
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF2021-CC2017
Lab FileID: EF033314.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121703\EF033314.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\121703\EF033314.D\FID2B.CH
Acq On : 17 Dec 2003 6:45 pm Operator: ClaireV
Sample : cc2017-20 Inst : VOA1
Misc : gc3038,gef2021,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL1215.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Dec 16 08:32:38 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.714	1.4	100	0.01
2		Di-Isopropyl ether	20.000	20.741	-3.7	100	0.01
3		Benzene	20.000	20.429	-2.1	100	0.01
4	S	a,a,a-TFT(S)	20.000	19.210	3.9	106	0.01
5		Toluene	20.000	20.538	-2.7	101	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.171	4.1	105	0.02
7		Chlorobenzene	20.000	19.410	2.9	98	0.02
8		Ethylbenzene	20.000	19.795	1.0	100	0.02
9		m,p-Xylene	40.000	40.496	-1.2	100	0.02
10		o-Xylene	20.000	20.117	-0.6	99	0.02
11		1,3-Dichlorobenzene	20.000	18.641	6.8	97	0.02
12		1,4-Dichlorobenzene	20.000	18.568	7.2	97	0.02
13		1,2-Dichlorobenzene	20.000	19.175	4.1	96	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.695	-3.5	102	0.01
2		Di-Isopropyl ether	20.000	20.785	-3.9	101	0.01
3		Benzene	20.000	21.041	-5.2	101	0.01
4	S	a,a,a-TFT(S)	20.000	19.722	1.4	108	0.01
5		Toluene	20.000	20.700	-3.5	102	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.729	1.4	108	0.02
7		Chlorobenzene	20.000	19.922	0.4	100	0.02
8		Ethylbenzene	20.000	20.337	-1.7	102	0.02
9		m,p-Xylene	40.000	41.123	-2.8	102	0.02
10		o-Xylene	20.000	20.716	-3.6	100	0.02
11		1,3-Dichlorobenzene	20.000	19.048	4.8	100	0.02
12		1,4-Dichlorobenzene	20.000	19.189	4.1	100	0.02
13		1,2-Dichlorobenzene	20.000	18.938	5.3	98	0.02

Average % D = 3.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF033198.D DUAL1215.M Thu Dec 18 09:43:55 2003 EF

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F21144

Sampling Dates: 12/11/03 - 12/12/03

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

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

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

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Sample Summary

EEI

Job No: F21144

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F21144-1	12/12/03	13:57	BS	12/15/03	AQ	Ground Water	UST645-MW21
F21144-2	12/11/03	11:20	BS	12/15/03	AQ	Ground Water	UST645-MW17

Accutest LabLink@44683 15:31 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F21144-1	**Date Sampled:**	12/12/03
Matrix:	AQ - Ground Water	**Date Received:**	12/15/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR020060.D	1	12/18/03	RA	n/a	n/a	GQR846
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%		70-123%
563-58-6	1,1-Dichloropropene	98%		86-112%

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

Accutest LabLink@44683 15:31 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW21
Lab Sample ID: F21144-1
Matrix: AQ - Ground Water
Method: EPA 610 EPA 610
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/12/03
Date Received: 12/15/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ19057.D	1	12/23/03	SD	12/18/03	OP9365	GIJ922
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	85%		42-123%
84-15-1	o-Terphenyl	96%		51-123%

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

Accutest LabLink@44683 15:31 11-Jan-2006

Report of Analysis

Client Sample ID:	UST645-MW17		
Lab Sample ID:	F21144-2	**Date Sampled:**	12/11/03
Matrix:	AQ - Ground Water	**Date Received:**	12/15/03
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD044112.D	1	12/23/03	BM	n/a	n/a	GCD1818
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	93%		70-123%
98-08-8	aaa-Trifluorotoluene	96%		73-122%

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

Accutest LabLink@44683 15:31 11-Jan-2006

Report of Analysis

Client Sample ID: UST645-MW17
Lab Sample ID: F21144-2
Matrix: AQ - Ground Water
Method: EPA 610 EPA 610
Project: Camp Lejeune-Bldg 645

Date Sampled: 12/11/03
Date Received: 12/15/03
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ19058.D	1	12/23/03	SD	12/18/03	OP9365	GIJ922
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	82%		42-123%
84-15-1	o-Terphenyl	92%		51-123%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories
4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:
ACCUTEST QUOTE #: F21144

CLIENT INFORMATION

NAME: Engineering + Environment Inc
ADDRESS: 824 Gumbranch Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO:
PHONE #: 910-989-3214

FACILITY INFORMATION

PROJECT NAME: Bld 645 Camp Lejeune
LOCATION:
PROJECT NO.:
FAX #: 910-989-3341

ANALYTICAL INFORMATION

EPA 602
EPA 625 PAH

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	EPA 602	EPA 625 PAH
1	UST645-MW21	12-12-03	13:57	BS	GW	5	X				Y	3	2
2	UST645-MW17	12-11-03	11:20	BS	GW	5						3	2

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [x] OTHER (SPECIFY) NEESA 4

COMMENTS/REMARKS

Hold 602 on (WCM)

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	12-12-03 15:20	1. Fed ex 849749077030	2.	12/15/03 10:30	Muna Mohammed
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 18 °C
5.		5.			

F21144: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F21144

Client: ENGINEERING + ENVIRONMENT Project: Bldg 645

Date Received: 12-15-03 Time Received: 8:30 AM

# of Coolers Received: 1 Cooler Temperatures: 1.8

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

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	Yes	(No)	
Trip Blank on COC ?	Yes	(No)	
Trip Blank Intact ?	Yes	No	(N/A)
Trip Blank Matrix ?	Soil	Water	(N/A)
Number of Encores ?	0		
Number of Soil Field Kits ?	0		

Summary of Comments:

Signature: Carlos Ley Date: 12-15-03

ASBD/HW 05/11/03

F21144: Chain of Custody
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GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR846-MB	QR020054.D	1	12/18/03	RA	n/a	n/a	GQR846

The QC reported here applies to the following samples: **Method:** EPA 601/602

F21144-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	91%	70-123%
352-33-0	1-Chloro-4-fluorobenzene	94%	70-123%
563-58-6	1,1-Dichloropropene	99%	86-112%
563-58-6	1,1-Dichloropropene	103%	86-112%

Method Blank Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD1818-MB	CD044102.D	1	12/22/03	BM	n/a	n/a	GCD1818

The QC reported here applies to the following samples: **Method:** EPA 601/602

F21144-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	94%	70-123%
98-08-8	aaa-Trifluorotoluene	96%	73-122%

Blank Spike Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR846-BS	QR020053.D	1	12/18/03	RA	n/a	n/a	GQR846

The QC reported here applies to the following samples: **Method:** EPA 601/602

F21144-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	21.0	105	86-121
108-90-7	Chlorobenzene	20	19.4	97	81-119
95-50-1	1,2-Dichlorobenzene	20	19.0	95	75-120
541-73-1	1,3-Dichlorobenzene	20	19.3	97	77-121
106-46-7	1,4-Dichlorobenzene	20	19.2	96	75-122
100-41-4	Ethylbenzene	20	18.7	94	81-126
1634-04-4	Methyl Tert Butyl Ether	20	19.7	99	76-117
108-88-3	Toluene	20	18.8	94	82-123
1330-20-7	Xylenes (total)	60	54.8	91	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	104%	70-123%
352-33-0	1-Chloro-4-fluorobenzene	107%	70-123%
563-58-6	1,1-Dichloropropene	100%	86-112%
563-58-6	1,1-Dichloropropene	99%	86-112%

Blank Spike Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD1818-BS	CD044101.D	1	12/22/03	BM	n/a	n/a	GCD1818

The QC reported here applies to the following samples: **Method:** EPA 601/602

F21144-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.6	98	86-121
108-90-7	Chlorobenzene	20	19.3	97	81-119
95-50-1	1,2-Dichlorobenzene	20	18.2	91	75-120
541-73-1	1,3-Dichlorobenzene	20	18.2	91	77-121
106-46-7	1,4-Dichlorobenzene	20	17.9	90	75-122
100-41-4	Ethylbenzene	20	18.8	94	81-126
1634-04-4	Methyl Tert Butyl Ether	20	18.7	94	76-117
108-88-3	Toluene	20	19.3	97	82-123
1330-20-7	Xylenes (total)	60	55.1	92	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	98%	70-123%
98-08-8	aaa-Trifluorotoluene	99%	73-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F21144-1MS	QR020061.D	1	12/18/03	RA	n/a	n/a	GQR846
F21144-1MSD	QR020062.D	1	12/18/03	RA	n/a	n/a	GQR846
F21144-1	QR020060.D	1	12/18/03	RA	n/a	n/a	GQR846

The QC reported here applies to the following samples: **Method:** EPA 601/602

F21144-1

CAS No.	Compound	F21144-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.7	109	21.4	107	1	77-125/6
108-90-7	Chlorobenzene	ND		20	19.6	98	19.4	97	1	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	18.9	95	19.2	96	2	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	19.4	97	19.5	98	1	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	19.0	95	19.3	97	2	67-129/7
100-41-4	Ethylbenzene	ND		20	19.4	97	19.1	96	2	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	21.3	107	21.0	105	1	66-127/9
108-88-3	Toluene	ND		20	19.5	98	19.3	97	1	77-124/5
1330-20-7	Xylenes (total)	ND		60	56.9	95	56.2	94	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F21144-1	Limits
352-33-0	1-Chloro-4-fluorobenzene	104%	103%	91%	70-123%
352-33-0	1-Chloro-4-fluorobenzene	101%	102%		70-123%
563-58-6	1,1-Dichloropropene	99%	99%	98%	86-112%
563-58-6	1,1-Dichloropropene	96%	95%		86-112%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F21121-8MS	CD044110.D	1	12/22/03	BM	n/a	n/a	GCD1818
F21121-8MSD	CD044111.D	1	12/23/03	BM	n/a	n/a	GCD1818
F21121-8	CD044109.D	1	12/22/03	BM	n/a	n/a	GCD1818

The QC reported here applies to the following samples: **Method:** EPA 601/602

F21144-2

CAS No.	Compound	F21121-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	18.4	92	18.2	91	1	77-125/6
108-90-7	Chlorobenzene	ND		20	17.9	90	17.9	90	0	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	17.1	86	17.1	86	0	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	17.3	87	17.3	87	0	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	17.1	86	17.1	86	0	67-129/7
100-41-4	Ethylbenzene	ND		20	17.7	89	17.7	89	0	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	19.5	98	19.0	95	3	66-127/9
108-88-3	Toluene	ND		20	18.8	94	18.4	92	2	77-124/5
1330-20-7	Xylenes (total)	ND		60	52.3	87	51.9	87	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F21121-8	Limits
352-33-0	1-Chloro-4-fluorobenzene	98%	97%	94%	70-123%
98-08-8	aaa-Trifluorotoluene	99%	99%	95%	73-122%

Volatile Surrogate Recovery Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S3 [b]
F21144-1	QR020060.D	91.0		98.0	
F21144-2	CD044112.D		93.0		96.0
F21121-8MS	CD044110.D		98.0		99.0
F21121-8MSD	CD044111.D		97.0		99.0
F21144-1MS	QR020061.D	104.0	101.0	99.0	
F21144-1MSD	QR020062.D	103.0	102.0	99.0	
GCD1818-BS	CD044101.D		98.0		99.0
GCD1818-MB	CD044102.D		94.0		96.0
GQR846-BS	QR020053.D	104.0	107.0	100.0	
GQR846-MB	QR020054.D	91.0	94.0	99.0	

Surrogate Compounds	Recovery Limits
S1 = 1-Chloro-4-fluorobenzene	70-123%
S2 = 1,1-Dichloropropene	86-112%
S3 = aaa-Trifluorotoluene	73-122%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD1818-CC1806	**Injection Date:**	12/22/03
Lab File ID:	CD044108.D	**Injection Time:**	22:51
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.77	5.38

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F21121-8	CD044109.D	12/22/03	23:16	8.78	5.39
F21121-8MS	CD044110.D	12/22/03	23:41	8.79	5.39
F21121-8MSD	CD044111.D	12/23/03	00:05	8.78	5.37
F21144-2	CD044112.D	12/23/03	00:29	8.78	5.38
ZZZZZZ	CD044113.D	12/23/03	00:53	8.78	5.38
ZZZZZZ	CD044114.D	12/23/03	01:18	8.77	5.38
ZZZZZZ	CD044115.D	12/23/03	01:42	8.78	5.38
ZZZZZZ	CD044116.D	12/23/03	02:07	8.78	5.38
ZZZZZZ	CD044118.D	12/23/03	02:57	8.78	5.38

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GQR846-CC842	**Injection Date:**	12/18/03
Lab File ID:	QR020052.D	**Injection Time:**	09:56
Instrument ID:	GCQR	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	12.47	12.49	7.53	7.55

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
GQR846-BS	QR020053.D	12/18/03	10:40	12.47	12.49	7.52	7.54
GQR846-MB	QR020054.D	12/18/03	11:08	12.47	12.50	7.53	7.55
ZZZZZZ	QR020055.D	12/18/03	11:37	12.47		7.53	
ZZZZZZ	QR020056.D	12/18/03	12:07	12.47		7.52	
ZZZZZZ	QR020057.D	12/18/03	12:35	12.47		7.52	
ZZZZZZ	QR020058.D	12/18/03	13:02	12.47		7.52	
ZZZZZZ	QR020059.D	12/18/03	13:30	12.47		7.52	
F21144-1	QR020060.D	12/18/03	13:57	12.48		7.53	
F21144-1MS	QR020061.D	12/18/03	14:33	12.47	12.49	7.53	7.55
F21144-1MSD	QR020062.D	12/18/03	15:03	12.47	12.49	7.53	7.55

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = 1,1-Dichloropropene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD1817-CC1806	**Injection Date:**	12/22/03
Lab File ID:	CD044097.D	**Injection Time:**	18:20
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.78	5.39

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GCD1818-BS	CD044101.D	12/22/03	20:01	8.78	5.38
GCD1818-MB	CD044102.D	12/22/03	20:25	8.78	5.37
ZZZZZZ	CD044103.D	12/22/03	20:49	8.78	5.39
ZZZZZZ	CD044104.D	12/22/03	21:14	8.79	5.39
ZZZZZZ	CD044105.D	12/22/03	21:38	8.79	5.38
ZZZZZZ	CD044106.D	12/22/03	22:03	8.78	5.37

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD1806-ICC1806
Lab FileID: CD043805.D

Response Factor Report VOA2

Method : C:\HPCHEM\2\METHODS\GCCD1215.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Mon Dec 15 08:11:11 2003
Response via : Initial Calibration

Calibration Files
1 =CD043803.D 2 =CD043804.D 3 =CD043805.D
4 =CD043806.D 5 =CD043807.D 6 =CD043808.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1)	Methyl tert Butyl E	1.355	1.406	1.273	1.439	1.405	1.394	1.379 E3	4.23
2)	Di-Isopropyl ether	2.009	2.278	2.306	2.327	2.308	2.286	2.252 E3	5.35
3)	BENZENE	6.626	6.015	5.958	5.989	5.960	5.965	6.085 E3	4.36
4) S	a,a,a-TFT(S)	1.575	1.629	1.714	1.728	1.748	1.704	1.683 E3	3.95
5)	TOLUENE		6.064	6.017	6.021	6.005	5.994	6.020 E3	0.44
6) S	1-Chloro-4-Fluorobe	2.943	2.997	3.156	3.217	3.247	3.168	3.121 E3	3.94
7)	CHLOROBENZENE	7.400	6.851	6.533	6.488	6.538	6.595	6.734 E3	5.21
8)	ETHYLBENZENE		5.989	5.557	5.490	5.482	5.518	5.607 E3	3.84
9)	m,p-XYLENE	6.968	6.196	6.009	5.930	5.972	5.939	6.169 E3	6.54
10)	o-XYLENE	6.247	5.702	5.575	5.484	5.491	5.533	5.672 E3	5.16
11)	1,3-DICHLOROBENZENE	6.344	5.629	5.713	5.617	5.673	5.320	5.716 E3	5.91
12)	1,4-DICHLOROBENZENE	6.932	5.982	5.969	5.934	6.012	5.947	6.129 E3	6.43
13)	1,2-DICHLOROBENZENE	5.530	4.625	4.682	4.571	4.604	4.515	4.755 E3	8.08

Signal #2 Calibration Files
1 =CD043803.D 2 =CD043804.D 3 =CD043805.D
4 =CD043806.D 5 =CD043807.D 6 =CD043808.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1)	Methyl tert Butyl E	0.993	0.973	0.773	0.986	0.975	1.020	0.954 E3	9.42
2)	Di-Isopropyl ether	1.372	1.591	1.616	1.552	1.535	1.533	1.533 E3	5.57
3)	BENZENE	4.826	4.357	4.289	4.230	4.202	4.239	4.357 E3	5.42
4) S	a,a,a-TFT(S)	1.118	1.137	1.126	1.131	1.157	1.187	1.143 E3	2.22
5)	TOLUENE		4.545	4.386	4.362	4.392	4.387	4.414 E3	1.68
6) S	1-Chloro-4-Fluorobe	2.159	2.175	2.216	2.185	2.243	2.250	2.205 E3	1.69
7)	CHLOROBENZENE	5.157	5.103	4.937	4.818	4.875	4.824	4.952 E3	2.93
8)	ETHYLBENZENE	4.484	4.236	4.178	4.087	4.128	4.151	4.211 E3	3.39
9)	m,p-XYLENE	5.387	4.563	4.488	4.394	4.391	4.446	4.611 E3	8.35
10)	o-XYLENE	4.890	4.208	4.140	4.095	4.063	4.092	4.248 E3	7.50
11)	1,3-DICHLOROBENZENE	5.146	4.508	4.373	4.305	4.382	4.389	4.517 E3	6.97
12)	1,4-DICHLOROBENZENE	5.623	4.596	4.595	4.568	4.679	4.694	4.792 E3	8.55
13)	1,2-DICHLOROBENZENE	4.351	3.569	3.567	3.523	3.623	3.604	3.706 E3	8.58

Average % RSD = 5.2

(#) = Out of Range

GCCD1215.M Tue Dec 16 08:30:28 2003 QRXY

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD1817-CC1806
Lab FileID: CD044097.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\122203\CD044097.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\2\DATA\122203\CD044097.D\FID2B.CH
Acq On : 22 Dec 2003 6:20 pm Operator: BarbaraM
Sample : CC1806-20 Inst : VOA2
Misc : gc3039,gcd1817,,,,,1 Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\GCCD1215.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Mon Dec 15 12:40:54 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.378	-1.9	110	0.01
2		Di-Isopropyl ether	20.000	19.975	0.1	98	0.02
3		BENZENE	20.000	19.420	2.9	99	0.02
4	S	a,a,a-TFT(S)	20.000	19.903	0.5	98	0.02
5		TOLUENE	20.000	20.239	-1.2	101	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	20.012	-0.1	99	0.01
7		CHLOROBENZENE	20.000	19.730	1.3	102	0.01
8		ETHYLBENZENE	20.000	20.367	-1.8	103	0.01
9		m,p-XYLENE	40.000	39.754	0.6	102	0.01
10		o-XYLENE	20.000	20.053	-0.3	102	0.00
11		1,3-DICHLOROBENZENE	20.000	19.913	0.4	100	0.01
12		1,4-DICHLOROBENZENE	20.000	19.462	2.7	100	0.01
13		1,2-DICHLOROBENZENE	20.000	19.548	2.3	99	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.380	-6.9	132	0.03
2		Di-Isopropyl ether	20.000	21.663	-8.3	103	0.03
3		BENZENE	20.000	20.358	-1.8	103	0.03
4	S	a,a,a-TFT(S)	20.000	19.892	0.5	101	0.04
5		TOLUENE	20.000	20.302	-1.5	102	0.04
6	S	1-Chloro-4-Fluorobenzene	20.000	19.722	1.4	98	0.04
7		CHLOROBENZENE	20.000	19.846	0.8	100	0.04
8		ETHYLBENZENE	20.000	20.085	-0.4	101	0.03
9		m,p-XYLENE	40.000	38.646	3.4	99	0.03
10		o-XYLENE	20.000	19.753	1.2	101	0.03
11		1,3-DICHLOROBENZENE	20.000	19.178	4.1	99	0.03
12		1,4-DICHLOROBENZENE	20.000	18.923	5.4	99	0.03
13		1,2-DICHLOROBENZENE	20.000	19.171	4.1	100	0.03

Average % D = 2.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD043805.D GCCD1215.M Tue Dec 23 08:27:50 2003 QRXY

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD1818-CC1806
Lab FileID: CD044108.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\122203\CD044108.D\FID1A.CH Vial: 33
Signal #2 : C:\HPCHEM\2\DATA\122203\CD044108.D\FID2B.CH
Acq On : 22 Dec 2003 10:51 pm Operator: BarbaraM
Sample : CC1806-20 Inst : VOA2
Misc : gc3058,gcd1818,,,,,1 Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\GCCD1215.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Mon Dec 15 12:40:54 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.129	-0.6	109	0.00
2		Di-Isopropyl ether	20.000	20.483	-2.4	100	0.01
3		BENZENE	20.000	19.819	0.9	101	0.00
4	S	a,a,a-TFT(S)	20.000	20.239	-1.2	99	0.00
5		TOLUENE	20.000	20.265	-1.3	101	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.073	-0.4	99	0.00
7		CHLOROBENZENE	20.000	19.574	2.1	101	0.00
8		ETHYLBENZENE	20.000	19.946	0.3	101	0.00
9		m,p-XYLENE	40.000	38.834	2.9	100	0.00
10		o-XYLENE	20.000	19.789	1.1	101	0.00
11		1,3-DICHLOROBENZENE	20.000	19.874	0.6	99	0.00
12		1,4-DICHLOROBENZENE	20.000	19.607	2.0	101	0.00
13		1,2-DICHLOROBENZENE	20.000	19.757	1.2	100	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.649	6.8	115	0.03
2		Di-Isopropyl ether	20.000	21.001	-5.0	100	0.04
3		BENZENE	20.000	19.540	2.3	99	0.03
4	S	a,a,a-TFT(S)	20.000	19.608	2.0	100	0.03
5		TOLUENE	20.000	19.988	0.1	101	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.477	2.6	97	0.03
7		CHLOROBENZENE	20.000	19.540	2.3	98	0.03
8		ETHYLBENZENE	20.000	19.470	2.7	98	0.02
9		m,p-XYLENE	40.000	38.176	4.6	98	0.02
10		o-XYLENE	20.000	19.382	3.1	99	0.02
11		1,3-DICHLOROBENZENE	20.000	19.422	2.9	100	0.02
12		1,4-DICHLOROBENZENE	20.000	18.870	5.6	98	0.02
13		1,2-DICHLOROBENZENE	20.000	19.299	3.5	100	0.02

Average % D = 2.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD043805.D GCCD1215.M Tue Dec 23 08:27:51 2003 QRXY

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD1818-CC1806
Lab FileID: CD044119.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\2\DATA\122203\CD044119.D\FID1A.CH Vial: 43
Signal #2 : C:\HPCHEM\2\DATA\122203\CD044119.D\FID2B.CH
Acq On : 23 Dec 2003 3:22 am Operator: BarbaraM
Sample : CC1806-20 Inst : VOA2
Misc : gc3058,gcd1818,,,,,1 Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\2\METHODS\GCCD1215.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Mon Dec 15 12:40:54 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.102	-5.5	114	0.00
2		Di-Isopropyl ether	20.000	21.254	-6.3	104	0.00
3		BENZENE	20.000	19.928	0.4	102	0.00
4	S	a,a,a-TFT(S)	20.000	20.640	-3.2	101	0.01
5		TOLUENE	20.000	20.163	-0.8	101	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	20.184	-0.9	100	0.02
7		CHLOROBENZENE	20.000	19.579	2.1	101	0.02
8		ETHYLBENZENE	20.000	19.967	0.2	101	0.02
9		m,p-XYLENE	40.000	38.881	2.8	100	0.01
10		o-XYLENE	20.000	19.780	1.1	101	0.01
11		1,3-DICHLOROBENZENE	20.000	19.764	1.2	99	0.01
12		1,4-DICHLOROBENZENE	20.000	19.157	4.2	98	0.01
13		1,2-DICHLOROBENZENE	20.000	19.459	2.7	99	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.110	-5.5	130	0.02
2		Di-Isopropyl ether	20.000	20.542	-2.7	97	0.02
3		BENZENE	20.000	19.484	2.6	99	0.02
4	S	a,a,a-TFT(S)	20.000	19.994	0.0	101	0.03
5		TOLUENE	20.000	19.867	0.7	100	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.605	2.0	98	0.03
7		CHLOROBENZENE	20.000	19.476	2.6	98	0.03
8		ETHYLBENZENE	20.000	19.549	2.3	99	0.03
9		m,p-XYLENE	40.000	37.556	6.1	96	0.03
10		o-XYLENE	20.000	19.438	2.8	100	0.03
11		1,3-DICHLOROBENZENE	20.000	18.945	5.3	98	0.03
12		1,4-DICHLOROBENZENE	20.000	18.581	7.1	97	0.03
13		1,2-DICHLOROBENZENE	20.000	19.241	3.8	100	0.03

Average % D = 2.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD043805.D GCCD1215.M Tue Dec 23 08:27:52 2003 QRXY

Initial Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GQR842-ICC842
Lab FileID: QR019962.D

Response Factor Report VOA3

Method : C:\HPCHEM\1\METHODS\QR1216.M (Chemstation Integrator)
Title : EPA 601/602 & SWA 5030B/8021B
Last Update : Tue Dec 16 13:36:35 2003
Response via : Initial Calibration

Calibration Files
1 =QR019958.D 2 =QR019959.D 3 =QR019960.D
4 =QR019961.D 5 =QR019962.D 6 =QR019963.D 7 =QR019964.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2)c VINYL CHLORIDE	0.385	0.276	0.202	0.161	0.143	0.118	0.107	0.199	50.38#
3) 1,1-Dichloroethen	0.468	0.378	0.373	0.349	0.370	0.360	0.355	0.379	10.71
4) Methyl tert Butyl	0.366	0.327	0.331	0.314	0.315	0.312	0.304	0.324	6.39
5) trans-1,2-Dichlor	1.263	1.073	1.117	1.032	1.082	1.057	1.044	1.095	7.21
6) Di-Isopropyl ethe	0.522	0.443	0.463	0.439	0.447	0.439	0.429	0.454	6.91
7) cis-1,2-Dichloroe	0.757	0.663	0.681	0.646	0.672	0.667	0.654	0.677	5.46
8)S 1,1-Dichloroprope	0.597	0.597	0.597	0.595	0.595	0.592	0.593	0.595	0.35
9) Benzene	1.475	1.257	1.269	1.185	1.211	1.185	1.150	1.247	8.71
10) Trichloroethene	1.077	0.904	0.903	0.858	0.903	0.901	0.888	0.919	7.80
11) 2-Chloroethylviny	0.523	0.483	0.567	0.564	0.593	0.609	0.600	0.563	8.11
12) cis-1,3-Dichlorop	0.453	0.397	0.428	0.420	0.443	0.441	0.435	0.431	4.28
13) Toluene	1.796	1.521	1.581	1.505	1.545	1.508	1.467	1.561	7.03
14) trans-1,3-Dichlor	0.573	0.497	0.555	0.559	0.602	0.616	0.610	0.573	7.26
15) Tetrachloroethene	0.879	0.724	0.770	0.725	0.767	0.759	0.742	0.767	6.92
16)S 1-Chloro-4-fluoro	0.984	0.984	1.033	1.053	1.076	1.075	1.079	1.041	4.04
17) Chlorobenzene	2.202	1.807	1.834	1.763	1.828	1.809	1.764	1.858	8.29
18) Ethylbenzene	1.781	1.486	1.554	1.465	1.508	1.477	1.425	1.528	7.75
19) m,p-Xylene	1.958	1.663	1.772	1.679	1.730	1.694	1.628	1.732	6.34
20) o-Xylene	1.884	1.613	1.699	1.619	1.661	1.631	1.590	1.671	6.01
21) 1,3-Dichlorobenze	2.152	1.820	2.201	2.262	2.447	2.492	2.451	2.261	10.44
22) 1,4-Dichlorobenze	2.106	1.763	2.164	2.234	2.443	2.506	2.463	2.240	11.71
23) 1,2-Dichlorobenze	2.016	1.706	1.977	1.991	2.126	2.128	2.091	2.005	7.27

Signal #2 Calibration Files
1 =QR019958.D 2 =QR019959.D 3 =QR019960.D
4 =QR019961.D 5 =QR019962.D 6 =QR019963.D 7 =QR019964.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
25) I Bromochloromethane	----------ISTD----------								
26)c DICHLORODIFLUOROM	0.144	0.075	0.193	0.193	0.215	0.208	0.198	0.175	28.43#
27)c CHLOROMETHANE	0.461	0.585	0.855	0.794	0.752	0.708	0.598	0.679	20.25#
28)c VINYL CHLORIDE #2	0.468	0.543	0.594	0.516	0.481	0.408	0.373	0.483	15.79
29)c BROMOMETHANE	0.173	0.309	0.402	0.371	0.389	0.367	0.337	0.335	23.34#
30)c CHLOROETHANE	0.492	0.576	0.726	0.671	0.693	0.618	0.582	0.623	12.95
31)c TRICHLOROFLUOROME	0.401	0.441	0.538	0.494	0.469	0.420	0.375	0.448	12.57
32) 1,1-Dichloroethen	0.485	0.592	0.813	0.791	0.802	0.748	0.701	0.704	17.56
33) Methylene Chlorid	0.784	0.830	0.849	0.821	0.796	0.760	0.697	0.791	6.47
34) trans-1,2-Dichlor	0.876	0.982	1.179	1.102	1.078	1.001	0.887	1.015	11.04
35) 1,1-Dichloroethan	0.750	0.875	1.075	1.031	0.989	0.934	0.832	0.926	12.44
36) cis-1,2-Dichloroe	0.895	1.048	1.352	1.310	1.278	1.178	1.099	1.166	14.01
37) Chloroform	1.523	1.615	1.741	1.624	1.536	1.364	1.270	1.525	10.56
38) 1,1,1-Trichloroet	1.898	1.475	1.246	1.125	1.058	0.993	0.898	1.242	27.76
39)S 1,1-Dichloroprope	1.218	1.252	1.165	1.187	1.154	1.140	1.122	1.177	3.86

Initial Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GQR842-ICC842
Lab FileID: QR019962.D

40)	Carbon Tetrachlor	2.758	2.793	1.722	1.482	1.344	1.196	1.106	1.771	40.30
41)	1,2-Dichloroethan	2.080	1.720	1.545	1.476	1.361	1.248	1.171	1.514	20.46
42)	Trichloroethene #	1.305	1.303	1.650	1.595	1.566	1.446	1.333	1.457	10.12
43)	1,2-Dichloropropa	1.329	1.286	1.398	1.350	1.250	1.153	1.055	1.260	9.51
44)	Bromodichlorometh	1.247	1.265	1.468	1.406	1.340	1.214	1.128	1.296	9.02
45)	2-Chloroethylviny	0.232	0.286	0.412	0.457	0.480	0.460	0.435	0.394	24.43
46)	cis-1,3-Dichlorop	0.917	1.009	1.359	1.350	1.297	1.218	1.149	1.185	14.43
47)	trans-1,3-Dichlor	0.623	0.774	1.152	1.244	1.244	1.196	1.155	1.055	23.73
48)	1,1,2-Trichloroet	1.494	1.663	1.852	1.791	1.663	1.515	1.387	1.623	10.30
49)	Tetrachloroethene	1.764	1.749	2.019	1.821	1.807	1.695	1.495	1.764	8.88
50)	Dibromochlorometh	0.773	0.902	1.117	1.142	1.073	1.006	0.922	0.991	13.42
51)s	1-Chloro-4-fluoro	0.729	0.738	0.753	0.772	0.750	0.734	0.731	0.744	2.07
52)	Chlorobenzene #2	1.038	0.827	0.783	0.798	0.782	0.732	0.684	0.806	13.95
53)	Bromoform	0.275	0.387	0.700	0.751	0.766	0.753	0.699	0.619	32.47
54)	1,1,2,2-Tetrachlo	1.087	1.289	1.602	1.586	1.434	1.326	1.214	1.363	13.94
55)	1,3-Dichlorobenze	0.906	0.704	1.360	1.458	1.550	1.379	1.373	1.247	25.21
56)	1,4-Dichlorobenze	0.906	0.943	1.455	1.550	1.624	1.483	1.397	1.337	21.76
57)	1,2-Dichlorobenze	0.914	1.008	1.569	1.654	1.626	1.520	1.434	1.389	21.77

Average % RSD = 13.6

(#) = Out of Range

QR1216.M Wed Dec 17 08:31:59 2003 QRXY

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GQR846-CC842
Lab FileID: QR020052.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121803\QR020052.D\FID1B.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\121803\QR020052.D\AIB2A.CH
Acq On : 18 Dec 2003 9:56 am Operator: RachidA
Sample : CC842-20 Inst : VOA3
Misc : gc3046,gqr846,,,,,1 Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: ELCD.E

Method : C:\HPCHEM\1\METHODS\QR1216.M (Chemstation Integrator)
Title : EPA 601/602 & SWA 5030B/8021B
Last Update : Tue Dec 16 13:36:35 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	20.000	20.000	0.0	96	-0.02
2	c	VINYL CHLORIDE	20.000	18.446	7.8	89	0.03
3		1,1-Dichloroethene	20.000	19.362	3.2	95	0.00
4		Methyl tert Butyl Ether	40.000	36.892	7.8	91	0.00
5		trans-1,2-Dichloroethene	20.000	19.338	3.3	94	0.00
6		Di-Isopropyl ether	20.000	19.272	3.6	94	-0.01
7		cis-1,2-Dichloroethene	20.000	19.580	2.1	95	-0.02
8	S	1,1-Dichloropropene	20.000	19.873	0.6	95	-0.02
9		Benzene	40.000	38.440	3.9	95	-0.02
10		Trichloroethene	20.000	19.021	4.9	93	-0.02
11		2-Chloroethylvinyl ether	20.000	19.151	4.2	87	-0.02
12		cis-1,3-Dichloropropene	20.000	20.107	-0.5	94	-0.02
13		Toluene	40.000	38.904	2.7	94	-0.02
14		trans-1,3-Dichloropropene	20.000	20.271	-1.4	93	-0.02
15		Tetrachloroethene	20.000	19.698	1.5	94	-0.02
16	S	1-Chloro-4-fluorobenzene	20.000	20.841	-4.2	97	-0.01
17		Chlorobenzene	20.000	19.301	3.5	94	-0.01
18		Ethylbenzene	40.000	39.144	2.1	95	-0.01
19		m,p-Xylene	80.000	78.918	1.4	95	-0.01
20		o-Xylene	40.000	39.126	2.2	94	-0.01
21		1,3-Dichlorobenzene	20.000	21.261	-6.3	94	0.00
22		1,4-Dichlorobenzene	20.000	21.358	-6.8	94	0.00
23		1,2-Dichlorobenzene	20.000	20.579	-2.9	93	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
25	I	Bromochloromethane	20.000	20.000	0.0	95	-0.02
26	c	DICHLORODIFLUOROMETHANE	20.000	18.435	7.8	86	0.00
27	c	CHLOROMETHANE	20.000	23.090	-15.5	99	0.00
28	c	VINYL CHLORIDE #2	20.000	18.822	5.9	88	0.03
29	c	BROMOMETHANE	20.000	19.244	3.8	91	0.00
30	c	CHLOROETHANE	20.000	19.987	0.1	92	0.00
31	c	TRICHLOROFLUOROMETHANE	20.000	19.863	0.7	94	0.00
32		1,1-Dichloroethene #2	20.000	20.362	-1.8	95	0.00
33		Methylene Chloride	20.000	20.240	-1.2	97	0.00
34		trans-1,2-Dichloroethene #2	20.000	20.104	-0.5	96	0.00
35		1,1-Dichloroethane	20.000	20.120	-0.6	96	-0.01

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GQR846-CC842
Lab FileID: QR020052.D

36		cis-1,2-Dichloroethene #2	20.000	22.558	-12.8	96	-0.02
37		Chloroform	20.000	20.608	-3.0	96	-0.02
38		1,1,1-Trichloroethane	20.000	20.227	-1.1	97	-0.02
39	S	1,1-Dichloropropene #2	20.000	19.890	0.5	96	-0.02
40		Carbon Tetrachloride	20.000	20.009	-0.0	95	-0.02
41		1,2-Dichloroethane	20.000	19.713	1.4	94	-0.02
42		Trichloroethene #2	20.000	19.405	3.0	92	-0.02
43		1,2-Dichloropropane	20.000	19.945	0.3	95	-0.02
44		Bromodichloromethane	20.000	19.608	2.0	92	-0.02
45		2-Chloroethylvinyl ether #2	20.000	19.494	2.5	86	-0.02
46		cis-1,3-Dichloropropene #2	20.000	20.131	-0.7	95	-0.02
47		trans-1,3-Dichloropropene #	20.000	19.771	1.1	93	-0.02
48		1,1,2-Trichloroethane	20.000	19.689	1.6	93	-0.02
49		Tetrachloroethene #2	20.000	19.941	0.3	95	-0.02
50		Dibromochloromethane	20.000	21.529	-7.6	92	-0.02
51	s	1-Chloro-4-fluorobenzene #2	20.000	21.165	-5.8	99	-0.01
52		Chlorobenzene #2	20.000	19.952	0.2	94	-0.02
53		Bromoform	20.000	18.518	7.4	88	-0.01
54		1,1,2,2-Tetrachloroethane	20.000	19.016	4.9	91	0.00
55		1,3-Dichlorobenzene #2	20.000	20.871	-4.4	93	0.00
56		1,4-Dichlorobenzene #2	20.000	20.077	-0.4	92	0.00
57		1,2-Dichlorobenzene #2	20.000	20.051	-0.3	94	0.00

Average % D = 3.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
QR019962.D QR1216.M Fri Dec 19 08:37:44 2003 QRXY

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GQR846-CC842
Lab FileID: QR020063.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121803\QR020063.D\FID1B.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\121803\QR020063.D\AIB2A.CH
Acq On : 18 Dec 2003 3:31 pm Operator: RachidA
Sample : CC842-35 Inst : VOA3
Misc : gc3046,gqr846,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: ELCD.E

Method : C:\HPCHEM\1\METHODS\QR1216.M (Chemstation Integrator)
Title : EPA 601/602 & SWA 5030B/8021B
Last Update : Tue Dec 16 13:36:35 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	20.000	20.000	0.0	96	-0.02
2	c	VINYL CHLORIDE	35.000	30.706	12.3	92	0.03
3		1,1-Dichloroethene	35.000	32.739	6.5	95	0.00
4		Methyl tert Butyl Ether	70.000	67.464	3.6	96	-0.01
5		trans-1,2-Dichloroethene	35.000	33.195	5.2	95	-0.01
6		Di-Isopropyl ether	35.000	33.069	5.5	94	-0.01
7		cis-1,2-Dichloroethene	35.000	33.921	3.1	95	-0.01
8	S	1,1-Dichloropropene	20.000	19.708	1.5	95	-0.02
9		Benzene	70.000	65.470	6.5	95	-0.02
10		Trichloroethene	35.000	32.803	6.3	92	-0.02
11		2-Chloroethylvinyl ether	35.000	36.664	-4.8	93	-0.02
12		cis-1,3-Dichloropropene	35.000	35.511	-1.5	95	-0.02
13		Toluene	70.000	66.900	4.4	95	-0.02
14		trans-1,3-Dichloropropene	35.000	37.397	-6.8	96	-0.02
15		Tetrachloroethene	35.000	33.841	3.3	94	-0.02
16	S	1-Chloro-4-fluorobenzene	20.000	21.068	-5.3	98	-0.01
17		Chlorobenzene	35.000	33.667	3.8	95	-0.01
18		Ethylbenzene	70.000	66.395	5.2	94	-0.01
19		m,p-Xylene	140.000	134.273	4.1	94	0.00
20		o-Xylene	70.000	67.216	4.0	95	0.00
21		1,3-Dichlorobenzene	35.000	38.312	-9.5	95	0.00
22		1,4-Dichlorobenzene	35.000	38.992	-11.4	96	0.00
23		1,2-Dichlorobenzene	35.000	36.814	-5.2	95	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
25	I	Bromochloromethane	20.000	20.000	0.0	99	-0.02
26	c	DICHLORODIFLUOROMETHANE	35.000	32.730	6.5	92	-0.01
27	c	CHLOROMETHANE	35.000	35.586	-1.7	97	0.00
28	c	VINYL CHLORIDE #2	35.000	32.785	6.3	98	0.03
29	c	BROMOMETHANE	35.000	34.027	2.8	96	0.00
30	c	CHLOROETHANE	35.000	33.285	4.9	97	0.00
31	c	TRICHLOROFLUOROMETHANE	35.000	34.807	0.6	99	0.00
32		1,1-Dichloroethene #2	35.000	33.289	4.9	95	-0.01
33		Methylene Chloride	35.000	35.302	-0.9	99	-0.01
34		trans-1,2-Dichloroethene #2	35.000	34.584	1.2	97	-0.01
35		1,1-Dichloroethane	35.000	34.553	1.3	97	-0.01

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GQR846-CC842
Lab FileID: QR020063.D

36		cis-1,2-Dichloroethene #2	35.000	35.843	-2.4	99	-0.02
37		Chloroform	35.000	34.280	2.1	100	-0.01
38		1,1,1-Trichloroethane	35.000	33.820	3.4	96	-0.02
39	S	1,1-Dichloropropene #2	20.000	18.968	5.2	97	-0.02
40		Carbon Tetrachloride	35.000	33.087	5.5	97	-0.01
41		1,2-Dichloroethane	35.000	34.264	2.1	99	-0.02
42		Trichloroethene #2	35.000	33.111	5.4	95	-0.02
43		1,2-Dichloropropane	35.000	33.565	4.1	96	-0.02
44		Bromodichloromethane	35.000	33.484	4.3	97	-0.02
45		2-Chloroethylvinyl ether #2	35.000	35.202	-0.6	97	-0.02
46		cis-1,3-Dichloropropene #2	35.000	34.355	1.8	98	-0.02
47		trans-1,3-Dichloropropene #	35.000	34.817	0.5	99	-0.02
48		1,1,2-Trichloroethane	35.000	34.856	0.4	100	-0.02
49		Tetrachloroethene #2	35.000	33.407	4.6	94	-0.02
50		Dibromochloromethane	35.000	35.613	-1.8	97	-0.02
51	s	1-Chloro-4-fluorobenzene #2	20.000	20.356	-1.8	102	-0.01
52		Chlorobenzene #2	35.000	34.406	1.7	98	-0.01
53		Bromoform	35.000	33.945	3.0	95	-0.01
54		1,1,2,2-Tetrachloroethane	35.000	36.600	-4.6	103	0.00
55		1,3-Dichlorobenzene #2	35.000	33.985	2.9	99	0.00
56		1,4-Dichlorobenzene #2	35.000	34.432	1.6	98	0.00
57		1,2-Dichlorobenzene #2	35.000	33.926	3.1	97	0.00

Average % D = 3.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
QR019963.D QR1216.M Fri Dec 19 08:39:29 2003 QRXY

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP9365-MB	IJ19047.D	1	12/23/03	SD	12/18/03	OP9365	GIJ922

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

F21144-1, F21144-2

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

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	91%	42-123%
84-15-1	o-Terphenyl	97%	51-123%

Blank Spike Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP9365-BS	IJ19046.D	1	12/23/03	SD	12/18/03	OP9365	GIJ922

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

F21144-1, F21144-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	25	26.4	106	71-113
208-96-8	Acenaphthylene	25	23.8	95	63-102
120-12-7	Anthracene	25	25.8	103	71-110
56-55-3	Benzo(a)anthracene	25	26.0	104	70-114
50-32-8	Benzo(a)pyrene	25	26.1	104	67-114
205-99-2	Benzo(b)fluoranthene	25	25.7	103	69-115
191-24-2	Benzo(g,h,i)perylene	25	25.9	104	61-117
207-08-9	Benzo(k)fluoranthene	25	26.1	104	69-111
218-01-9	Chrysene	25	26.4	106	70-114
53-70-3	Dibenzo(a,h)anthracene	25	26.1	104	64-114
206-44-0	Fluoranthene	25	26.3	105	71-114
86-73-7	Fluorene	25	26.1	104	69-111
193-39-5	Indeno(1,2,3-cd)pyrene	25	25.3	101	63-112
91-20-3	Naphthalene	25	24.1	96	66-105
90-12-0	1-Methylnaphthalene	25	25.9	104	71-112
91-57-6	2-Methylnaphthalene	25	24.6	98	65-106
85-01-8	Phenanthrene	25	26.0	104	69-112
129-00-0	Pyrene	25	26.4	106	70-114

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	100%	42-123%
84-15-1	o-Terphenyl	105%	51-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP9365-MS	IJ19049.D	1	12/23/03	SD	12/18/03	OP9365	GIJ922
OP9365-MSD	IJ19050.D	1	12/23/03	SD	12/18/03	OP9365	GIJ922
F21142-1	IJ19048.D	1	12/23/03	SD	12/18/03	OP9365	GIJ922

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

F21144-1, F21144-2

CAS No.	Compound	F21142-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		51	51.9	102	53.8	105	4	59-123/20
208-96-8	Acenaphthylene	ND		51	46.6	91	49.0	96	5	51-114/20
120-12-7	Anthracene	ND		51	51.1	100	52.0	102	2	64-114/17
56-55-3	Benzo(a)anthracene	ND		51	51.9	102	52.7	103	2	66-115/17
50-32-8	Benzo(a)pyrene	ND		51	52.6	103	53.3	104	1	62-118/17
205-99-2	Benzo(b)fluoranthene	ND		51	53.1	104	52.9	104	0	66-117/17
191-24-2	Benzo(g,h,i)perylene	ND		51	51.9	102	52.6	103	1	59-120/17
207-08-9	Benzo(k)fluoranthene	ND		51	51.2	100	52.4	103	2	64-116/16
218-01-9	Chrysene	ND		51	52.8	103	53.6	105	2	66-117/16
53-70-3	Dibenzo(a,h)anthracene	ND		51	52.2	102	52.9	104	1	57-124/18
206-44-0	Fluoranthene	ND		51	52.5	103	53.3	104	2	67-116/17
86-73-7	Fluorene	ND		51	51.2	100	52.8	103	3	58-122/19
193-39-5	Indeno(1,2,3-cd)pyrene	ND		51	50.9	100	51.5	101	1	59-116/18
91-20-3	Naphthalene	ND		51	46.6	91	49.4	97	6	47-114/20
90-12-0	1-Methylnaphthalene	ND		51	50.6	99	52.9	104	4	55-128/21
91-57-6	2-Methylnaphthalene	ND		51	47.9	94	50.1	98	4	51-117/21
85-01-8	Phenanthrene	ND		51	51.7	101	52.6	103	2	63-116/18
129-00-0	Pyrene	ND		51	52.8	103	53.6	105	2	67-116/17

CAS No.	Surrogate Recoveries	MS	MSD	F21142-1	Limits
321-60-8	2-Fluorobiphenyl	93%	97%	89%	42-123%
84-15-1	o-Terphenyl	100%	102%	97%	51-123%

Semivolatile Surrogate Recovery Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 610 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F21144-1	IJ19057.D	85.0	96.0
F21144-2	IJ19058.D	82.0	92.0
OP9365-BS	IJ19046.D	100.0	105.0
OP9365-MB	IJ19047.D	91.0	97.0
OP9365-MS	IJ19049.D	93.0	100.0
OP9365-MSD	IJ19050.D	97.0	102.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorobiphenyl	42-123%
S2 = o-Terphenyl	51-123%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GIJ922-ICC922	**Injection Date:**	12/23/03
Lab File ID:	IJ19041.D	**Injection Time:**	13:17
Instrument ID:	GCIJ	**Method:**	EPA 610

	S1 [a] RT	S2 [a] RT
Check Std	5.68	10.19

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP9365-BS	IJ19046.D	12/23/03	15:41	5.68	10.20
OP9365-MB	IJ19047.D	12/23/03	16:10	5.68	10.20
F21142-1	IJ19048.D	12/23/03	16:39	5.69	10.20
OP9365-MS	IJ19049.D	12/23/03	17:07	5.69	10.20
OP9365-MSD	IJ19050.D	12/23/03	17:36	5.69	10.20
ZZZZZZ	IJ19051.D	12/23/03	18:05	5.69	10.20
ZZZZZZ	IJ19052.D	12/23/03	18:34	5.69	10.20
ZZZZZZ	IJ19053.D	12/23/03	19:02	5.69	10.20
ZZZZZZ	IJ19054.D	12/23/03	19:31	5.69	10.20
ZZZZZZ	IJ19055.D	12/23/03	20:00	5.69	10.20

Surrogate Compounds

S1 = 2-Fluorobiphenyl
S2 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GIJ922-CC922	**Injection Date:**	12/23/03
Lab File ID:	IJ19056.D	**Injection Time:**	20:28
Instrument ID:	GCIJ	**Method:**	EPA 610

	S1 [a] RT	S2 [a] RT
Check Std	5.68	10.20

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F21144-1	IJ19057.D	12/23/03	20:57	5.68	10.20
F21144-2	IJ19058.D	12/23/03	21:26	5.68	10.20
ZZZZZZ	IJ19059.D	12/23/03	21:54	5.68	10.20
ZZZZZZ	IJ19060.D	12/23/03	22:23	5.68	10.20
ZZZZZZ	IJ19061.D	12/23/03	22:51	5.68	10.20
ZZZZZZ	IJ19062.D	12/23/03	23:20	5.68	10.20
ZZZZZZ	IJ19063.D	12/23/03	23:49	5.68	10.20
ZZZZZZ	IJ19064.D	12/24/03	00:17	5.69	10.20
ZZZZZZ	IJ19065.D	12/24/03	00:46	5.68	10.20
ZZZZZZ	IJ19066.D	12/24/03	01:15	5.69	10.20

Surrogate Compounds

S1 = 2-Fluorobiphenyl
S2 = o-Terphenyl

(a) Retention time from GC signal #1

Initial Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ922-ICC922
Lab FileID: IJ19041.D

Response Factor Report FID 1

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Tue Dec 23 14:17:24 2003
Response via : Initial Calibration

Calibration Files
5 =IJ19039.D 10 =IJ19040.D 20 =IJ19041.D
30 =IJ19042.D 40 =IJ19043.D 50 =IJ19044.D

	Compound	5	10	20	30	40	50	Avg		%RSD
1)	Naphthalene	1.197	1.287	1.247	1.212	1.231	1.256	1.238	E4	2.60
2)	2-Methyl Naphthalen	1.164	1.245	1.208	1.198	1.205	1.228	1.208	E4	2.28
3)	1-Methyl Naphthalen	1.140	1.215	1.181	1.170	1.175	1.197	1.180	E4	2.15
4) S	2-Fluorobiphenyl	1.025	1.111	1.073	1.067	1.073	1.096	1.074	E4	2.75
5)	Acenaphthylene	1.156	1.245	1.224	1.218	1.226	1.254	1.220	E4	2.82
6)	Acenaphthene	1.174	1.272	1.245	1.243	1.248	1.275	1.243	E4	2.95
7)	Fluorene	1.155	1.251	1.224	1.221	1.226	1.252	1.221	E4	2.88
8)	Phenanthrene	1.141	1.253	1.226	1.218	1.221	1.248	1.218	E4	3.30
9)	Anthracene	1.212	1.285	1.242	1.229	1.218	1.242	1.238	E4	2.11
10) S	O-Terphenyl	1.224	1.305	1.260	1.245	1.248	1.272	1.259	E4	2.21
11)	Fluoranthene	1.195	1.286	1.242	1.230	1.235	1.261	1.241	E4	2.49
12)	Pyrene	1.146	1.281	1.240	1.229	1.231	1.257	1.231	E4	3.72
13)	Benzo(a)Anthracene	1.188	1.281	1.246	1.236	1.243	1.268	1.244	E4	2.59
14)	Chrysene	1.220	1.293	1.243	1.227	1.229	1.252	1.244	E4	2.15
15)	Benzo(b)Fluoranthen	1.194	1.298	1.255	1.257	1.265	1.300	1.262	E4	3.07
16)	Benzo(k)Fluoranthen	1.277	1.329	1.285	1.255	1.258	1.270	1.279	E4	2.12
17)	Benzo(a) Pyrene	1.170	1.242	1.206	1.192	1.198	1.220	1.205	E4	2.04
18)	Indeno(1,2,3-cd)pyr	1.185	1.263	1.231	1.222	1.229	1.253	1.230	E4	2.22
19)	Dibenzo(a,h)anthrac	1.230	1.284	1.241	1.233	1.236	1.256	1.247	E4	1.64
20)	Benzo(g,h,i) Peryle	1.233	1.285	1.248	1.239	1.246	1.267	1.253	E4	1.56

Signal #2 Calibration Files
5 =IJ19039.D 10 =IJ19040.D 20 =IJ19041.D
30 =IJ19042.D 40 =IJ19043.D 50 =IJ19044.D

	Compound	5	10	20	30	40	50	Avg		%RSD
1)	Naphthalene	1.782	1.900	1.840	1.819	1.828	1.865	1.839	E4	2.19
2)	2-Methyl Naphthalen	1.700	1.821	1.768	1.752	1.760	1.798	1.767	E4	2.34
3)	1-Methyl Naphthalen	1.661	1.778	1.729	1.716	1.722	1.761	1.728	E4	2.36
4) S	2-Fluorobiphenyl	1.525	1.636	1.594	1.585	1.594	1.628	1.594	E4	2.47
5)	Acenaphthylene	1.738	1.867	1.827	1.812	1.820	1.859	1.821	E4	2.52
6)	Acenaphthene	1.757	1.895	1.844	1.831	1.839	1.878	1.841	E4	2.59
7)	Fluorene	1.704	1.844	1.797	1.786	1.797	1.835	1.794	E4	2.77
8)	Phenanthrene	1.623	1.796	1.768	1.764	1.794	1.828	1.762	E4	4.08
9)	Anthracene	1.813	1.908	1.830	1.803	1.787	1.838	1.830	E4	2.32
10) S	O-Terphenyl	1.799	1.920	1.854	1.834	1.840	1.875	1.854	E4	2.21
11)	Fluoranthene	1.771	1.890	1.828	1.810	1.813	1.851	1.827	E4	2.21
12)	Pyrene	1.783	1.903	1.840	1.821	1.828	1.864	1.840	E4	2.22
13)	Benzo(a)Anthracene	1.808	1.919	1.853	1.835	1.842	1.875	1.855	E4	2.06
14)	Chrysene	1.776	1.873	1.812	1.793	1.803	1.838	1.816	E4	1.91
15)	Benzo(b)Fluoranthen	1.793	1.916	1.852	1.851	1.862	1.888	1.860	E4	2.22
16)	Benzo(k)Fluoranthen	1.824	1.941	1.877	1.839	1.840	1.883	1.867	E4	2.31
17)	Benzo(a) Pyrene	1.720	1.828	1.771	1.754	1.761	1.792	1.771	E4	2.06
18)	Indeno(1,2,3-cd)pyr	1.757	1.884	1.838	1.827	1.862	1.898	1.844	E4	2.73
19)	Dibenzo(a,h)anthrac	1.791	1.880	1.815	1.782	1.766	1.794	1.805	E4	2.23
20)	Benzo(g,h,i) Peryle	1.787	1.905	1.844	1.823	1.826	1.859	1.841	E4	2.16

Initial Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ922-ICC922
Lab FileID: IJ19041.D

```
                                                                    Average  % RSD =   2.4
-------------------------------------------------------------------------------
(#) = Out of Range

          8100_H2.M         Sun Dec 28 10:54:43 2003
```

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ922-CC922
Lab FileID: IJ19056.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1223PAH\IJ19056.D\FID1B.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA\1223PAH\IJ19056.D\FID2A.CH
Acq On : 23 Dec 2003 8:28 pm Operator: sarahm
Sample : cc922-20 Inst : FID 1
Misc : op9365,gij922,960,,,1,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Tue Dec 23 14:17:24 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	20.403	-2.0	101	0.00
2		2-Methyl Naphthalene	20.000	20.299	-1.5	101	0.00
3		1-Methyl Naphthalene	20.000	20.296	-1.5	101	0.00
4	S	2-Fluorobiphenyl	20.000	20.263	-1.3	101	0.00
5		Acenaphthylene	20.000	20.356	-1.8	102	0.00
6		Acenaphthene	20.000	20.372	-1.9	102	0.00
7		Fluorene	20.000	20.319	-1.6	101	0.00
8		Phenanthrene	20.000	20.421	-2.1	101	0.00
9		Anthracene	20.000	20.409	-2.0	102	0.00
10	S	O-Terphenyl	20.000	20.327	-1.6	102	0.00
11		Fluoranthene	20.000	20.353	-1.8	102	0.00
12		Pyrene	20.000	20.476	-2.4	102	0.00
13		Benzo(a)Anthracene	20.000	20.373	-1.9	102	0.00
14		Chrysene	20.000	20.342	-1.7	102	-0.01
15		Benzo(b)Fluoranthene	20.000	20.316	-1.6	102	-0.01
16		Benzo(k)Fluoranthene	20.000	20.392	-2.0	101	-0.02
17		Benzo(a) Pyrene	20.000	20.365	-1.8	102	-0.01
18		Indeno(1,2,3-cd)pyrene	20.000	20.362	-1.8	102	-0.02
19		Dibenzo(a,h)anthracene	20.000	20.473	-2.4	103	-0.02
20		Benzo(g,h,i) Perylene	20.000	20.394	-2.0	102	-0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	20.000	20.253	-1.3	101	0.00
2		2-Methyl Naphthalene	20.000	20.202	-1.0	101	0.00
3		1-Methyl Naphthalene	20.000	20.203	-1.0	101	0.00
4	S	2-Fluorobiphenyl	20.000	20.230	-1.2	101	0.00
5		Acenaphthylene	20.000	20.249	-1.2	101	0.00
6		Acenaphthene	20.000	20.250	-1.3	101	0.00
7		Fluorene	20.000	20.284	-1.4	101	0.00
8		Phenanthrene	20.000	20.340	-1.7	101	0.00
9		Anthracene	20.000	20.134	-0.7	101	0.00
10	S	O-Terphenyl	20.000	20.278	-1.4	101	0.00
11		Fluoranthene	20.000	20.226	-1.1	101	0.00
12		Pyrene	20.000	20.249	-1.2	101	0.00
13		Benzo(a)Anthracene	20.000	20.212	-1.1	101	0.00
14		Chrysene	20.000	20.249	-1.2	101	0.00
15		Benzo(b)Fluoranthene	20.000	20.100	-0.5	101	0.00

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ922-CC922
Lab FileID: IJ19056.D

16	Benzo(k)Fluoranthene	20.000	20.365	-1.8	101	-0.01
17	Benzo(a) Pyrene	20.000	20.272	-1.4	101	-0.01
18	Indeno(1,2,3-cd)pyrene	20.000	20.158	-0.8	101	-0.02
19	Dibenzo(a,h)anthracene	20.000	20.392	-2.0	101	-0.02
20	Benzo(g,h,i) Perylene	20.000	20.290	-1.4	101	-0.03

Average % D = 1.5

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ19041.D 8100_H2.M Sun Dec 28 11:36:18 2003

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ922-CC922
Lab FileID: IJ19067.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1223PAH\IJ19067.D\FID1B.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\1223PAH\IJ19067.D\FID2A.CH
Acq On : 24 Dec 2003 1:43 am Operator: sarahm
Sample : cc922-30 Inst : FID 1
Misc : op9365,gij922,1000,,,1,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8100_H2.M (Chemstation Integrator)
Title : PAH's BY EPA 610 OR 8100
Last Update : Tue Dec 23 14:17:24 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	30.208	-0.7	103	0.00
2		2-Methyl Naphthalene	30.000	30.048	-0.2	101	0.00
3		1-Methyl Naphthalene	30.000	30.050	-0.2	101	0.00
4	S	2-Fluorobiphenyl	30.000	30.028	-0.1	101	0.00
5		Acenaphthylene	30.000	30.194	-0.6	101	0.00
6		Acenaphthene	30.000	30.279	-0.9	101	0.00
7		Fluorene	30.000	30.271	-0.9	101	0.00
8		Phenanthrene	30.000	30.280	-0.9	101	0.00
9		Anthracene	30.000	30.083	-0.3	101	0.00
10	S	O-Terphenyl	30.000	30.032	-0.1	101	0.00
11		Fluoranthene	30.000	30.086	-0.3	101	0.00
12		Pyrene	30.000	30.174	-0.6	101	0.00
13		Benzo(a)Anthracene	30.000	30.029	-0.1	101	0.00
14		Chrysene	30.000	29.911	0.3	101	0.00
15		Benzo(b)Fluoranthene	30.000	30.063	-0.2	101	0.00
16		Benzo(k)Fluoranthene	30.000	29.907	0.3	102	0.00
17		Benzo(a) Pyrene	30.000	30.006	-0.0	101	0.00
18		Indeno(1,2,3-cd)pyrene	30.000	30.097	-0.3	101	0.00
19		Dibenzo(a,h)anthracene	30.000	30.156	-0.5	102	0.00
20		Benzo(g,h,i) Perylene	30.000	30.070	-0.2	101	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Naphthalene	30.000	30.003	-0.0	101	0.00
2		2-Methyl Naphthalene	30.000	29.994	0.0	101	0.00
3		1-Methyl Naphthalene	30.000	30.045	-0.2	101	0.00
4	S	2-Fluorobiphenyl	30.000	30.113	-0.4	101	0.00
5		Acenaphthylene	30.000	30.122	-0.4	101	0.00
6		Acenaphthene	30.000	30.125	-0.4	101	0.00
7		Fluorene	30.000	30.179	-0.6	101	0.00
8		Phenanthrene	30.000	30.296	-1.0	101	0.00
9		Anthracene	30.000	29.808	0.6	101	0.00
10	S	O-Terphenyl	30.000	30.022	-0.1	101	0.00
11		Fluoranthene	30.000	29.879	0.4	101	0.00
12		Pyrene	30.000	29.911	0.3	101	0.00
13		Benzo(a)Anthracene	30.000	29.835	0.5	101	0.00
14		Chrysene	30.000	29.887	0.4	101	0.00
15		Benzo(b)Fluoranthene	30.000	29.906	0.3	100	0.00

Continuing Calibration Summary

Job Number: F21144
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GIJ922-CC922
Lab FileID: IJ19067.D

16	Benzo(k)Fluoranthene	30.000	29.845	0.5	101	0.00
17	Benzo(a) Pyrene	30.000	29.940	0.2	101	0.00
18	Indeno(1,2,3-cd)pyrene	30.000	30.034	-0.1	101	0.00
19	Dibenzo(a,h)anthracene	30.000	29.869	0.4	101	0.00
20	Benzo(g,h,i) Perylene	30.000	29.922	0.3	101	0.00

Average % D = 0.4

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ19042.D 8100_H2.M Sun Dec 28 11:35:52 2003

March 2004 Groundwater Laboratory Report

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

TO 00001

Accutest Job Number: F22769

Sampling Dates: 03/10/04 - 03/11/04

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **62**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F22769

Camp Lejeune-Bldg 645
Project No: TO 00001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F22769-1	03/10/04	08:45	BS	03/12/04	AQ	Ground Water	UST645-MW21
F22769-2	03/10/04	10:15	BS	03/12/04	AQ	Ground Water	UST645-MW01
F22769-3	03/10/04	10:45	BS	03/12/04	AQ	Ground Water	UST645-MW02
F22769-4	03/10/04	11:35	BS	03/12/04	AQ	Ground Water	UST645-MW12
F22769-5	03/10/04	00:00	BS	03/12/04	AQ	Ground Water	UST645-DUP
F22769-6	03/10/04	13:20	BS	03/12/04	AQ	Ground Water	UST645-MW03
F22769-7	03/10/04	14:05	BS	03/12/04	AQ	Ground Water	UST645-MW09
F22769-8	03/10/04	14:45	BS	03/12/04	AQ	Ground Water	UST645-MW15
F22769-9	03/11/04	10:05	BS	03/12/04	AQ	Ground Water	UST645-MW23
F22769-10	03/11/04	09:15	BS	03/12/04	AQ	Ground Water	UST645-MW22
F22769-11	03/11/04	11:03	BS	03/12/04	AQ	Ground Water	UST645-MW18

Accutest Laboratories Southeast, Inc.
Analytical Narrative

Client: EEI
Site: Camp Lejuene, Bldg. 645
Job No.: F22769
Report Date: March 26, 2004

11 samples were collected on March 10 and 11, 2004 and received on March 12, 2004. Samples were intact and properly cooled. A listing of the Laboratory Sample ID, Client Sample ID, and dates of collection are presented in the Results Summary section of this report.
All method specified holding times, calibrations and quality control performance criteria were met., with the following notes.

VOCs, 601/602:

- Samples UST645-MW01 (F22769-2), UST645-MW02 (F22769-3) have an elevated reporting limit for one compound due to matrix interference, Data has been footnoted accordingly.
- The MS/MSD associated with analytical batch GEF3058 had various RPDs above acceptance limits. The Blank Spike was within limits. Data not adversely affected.

Accutest Laboratories Southeast, Inc. certifies that this report meets the project requirements for analytical data produced for the samples as received at the Accutest Laboratories Southeast location as stated in the Analytical Task Order and the COC. In addition, Accutest Laboratories Southeast, Inc. certifies that data as reported meet the Data Quality Objectives for precision, accuracy and completeness as specified in the Accutest Laboratories Southeast, Inc. Quality Manual for other that conditions detailed above. It is recommended by Accutest Laboratories Southeast, Inc. that this report is to be used in its entirety. Accutest Laboratories Southeast, Inc. is not responsible for any assumptions of data quality if partial data packages are used to interpret data. The Accutest Laboratories Southeast, Inc. Laboratory Director as verified by the signature on the front page has authorized release of this report.

Narrative prepared by:

_____ Date: March 26, 2004
Sue O. Bell, Project Manager (signature on file)

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F22769-1	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020951.D	1	03/22/04	ME	03/15/04	OP9969	SL1127
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		49-119%
321-60-8	2-Fluorobiphenyl	71%		45-118%
1718-51-0	Terphenyl-d14	85%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F22769-1	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF036310.D	1	03/16/04	CV	n/a	n/a	GEF3053
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	88%		70-123%
98-08-8	aaa-Trifluorotoluene	90%		73-122%

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

Report of Analysis

Client Sample ID: UST645-MW01
Lab Sample ID: F22769-2
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 03/10/04
Date Received: 03/12/04
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020952.D	1	03/22/04	ME	03/15/04	OP9969	SL1127
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	30.7	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	39.9	5.0	1.0	ug/l	
91-20-3	Naphthalene	41.8	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		49-119%
321-60-8	2-Fluorobiphenyl	74%		45-118%
1718-51-0	Terphenyl-d14	81%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F22769-2	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF036398.D	2	03/18/04	CV	n/a	n/a	GEF3058
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.4	2.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	99.8	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [b]	ND	5.0	5.0	ug/l	
108-88-3	Toluene	54.0	2.0	1.0	ug/l	
1330-20-7	Xylenes (total)	307	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	106%		70-123%
98-08-8	aaa-Trifluorotoluene	104%		73-122%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F22769-3	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020953.D	1	03/22/04	ME	03/15/04	OP9969	SL1127
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.2	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.2	1.0	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	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.2	1.0	ug/l	
218-01-9	Chrysene	ND	5.2	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.2	2.1	ug/l	
90-12-0	1-Methylnaphthalene	32.0	5.2	1.0	ug/l	
91-57-6	2-Methylnaphthalene	48.9	5.2	1.0	ug/l	
91-20-3	Naphthalene	39.3	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		49-119%
321-60-8	2-Fluorobiphenyl	76%		45-118%
1718-51-0	Terphenyl-d14	88%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F22769-3	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF036400.D	5	03/18/04	CV	n/a	n/a	GEF3058
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	2.5	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.5	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
100-41-4	Ethylbenzene	81.8	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether [b]	ND	20	20	ug/l	
108-88-3	Toluene	16.7	5.0	2.5	ug/l	
1330-20-7	Xylenes (total)	481	15	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	100%		70-123%
98-08-8	aaa-Trifluorotoluene	101%		73-122%

(a) Confirmed by GC/MS
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F22769-4	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020954.D	1	03/22/04	ME	03/15/04	OP9969	SL1127
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.3	1.1	ug/l	
208-96-8	Acenaphthylene	ND	5.3	1.1	ug/l	
120-12-7	Anthracene	ND	5.3	1.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	1.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	1.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	1.1	ug/l	
218-01-9	Chrysene	ND	5.3	1.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	2.1	ug/l	
206-44-0	Fluoranthene	ND	5.3	1.1	ug/l	
86-73-7	Fluorene	ND	5.3	1.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	2.1	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.3	1.1	ug/l	
91-57-6	2-Methylnaphthalene	1.2	5.3	1.1	ug/l	J
91-20-3	Naphthalene	3.1	5.3	1.1	ug/l	J
85-01-8	Phenanthrene	ND	5.3	1.1	ug/l	
129-00-0	Pyrene	ND	5.3	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		49-119%
321-60-8	2-Fluorobiphenyl	87%		45-118%
1718-51-0	Terphenyl-d14	94%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F22769-4	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF036313.D	1	03/16/04	CV	n/a	n/a	GEF3053
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	3.4	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.71	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	12.3	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	88%		70-123%
98-08-8	aaa-Trifluorotoluene	87%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F22769-5	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020955.D	1	03/22/04	ME	03/15/04	OP9969	SL1127
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	2.8	5.1	1.0	ug/l	J
85-01-8	Phenanthrene	ND	5.1	1.0	ug/l	
129-00-0	Pyrene	ND	5.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		49-119%
321-60-8	2-Fluorobiphenyl	76%		45-118%
1718-51-0	Terphenyl-d14	87%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F22769-5	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF036394.D	1	03/18/04	CV	n/a	n/a	GEF3058
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	2.9	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.61	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	10.3	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	96%		70-123%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F22769-6	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020956.D	1	03/23/04	ME	03/15/04	OP9969	SL1127
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	16.4	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	18.7	5.0	1.0	ug/l	
91-20-3	Naphthalene	30.6	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		49-119%
321-60-8	2-Fluorobiphenyl	86%		45-118%
1718-51-0	Terphenyl-d14	95%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F22769-6	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF036395.D	1	03/18/04	CV	n/a	n/a	GEF3058
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.2	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	28.1	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	5.2	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	109	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	100%		70-123%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F22769-7	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020959.D	1	03/23/04	ME	03/15/04	OP9969	SL1127
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		49-119%
321-60-8	2-Fluorobiphenyl	75%		45-118%
1718-51-0	Terphenyl-d14	80%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F22769-7	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF036316.D	1	03/16/04	CV	n/a	n/a	GEF3053
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	87%		70-123%
98-08-8	aaa-Trifluorotoluene	88%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F22769-8	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020960.D	1	03/23/04	ME	03/15/04	OP9969	SL1127
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		49-119%
321-60-8	2-Fluorobiphenyl	86%		45-118%
1718-51-0	Terphenyl-d14	93%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F22769-8	**Date Sampled:**	03/10/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF036317.D	1	03/16/04	CV	n/a	n/a	GEF3053
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.61	1.0	0.50	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	57.5	1.0	0.50	ug/l	
108-88-3	Toluene	1.1	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	91%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: UST645-MW23
Lab Sample ID: F22769-9
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 03/11/04
Date Received: 03/12/04
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020961.D	1	03/23/04	ME	03/15/04	OP9969	SL1127
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		49-119%
321-60-8	2-Fluorobiphenyl	85%		45-118%
1718-51-0	Terphenyl-d14	87%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F22769-9	**Date Sampled:**	03/11/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF036396.D	1	03/18/04	CV	n/a	n/a	GEF3058
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	92%		70-123%
98-08-8	aaa-Trifluorotoluene	92%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F22769-10	**Date Sampled:**	03/11/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020962.D	1	03/23/04	ME	03/15/04	OP9969	SL1127
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		49-119%
321-60-8	2-Fluorobiphenyl	73%		45-118%
1718-51-0	Terphenyl-d14	83%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F22769-10	**Date Sampled:**	03/11/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF036397.D	1	03/18/04	CV	n/a	n/a	GEF3058
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.73	1.0	0.50	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	24.2	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
98-08-8	aaa-Trifluorotoluene	96%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F22769-11	**Date Sampled:**	03/11/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L020963.D	1	03/23/04	ME	03/15/04	OP9969	SL1127
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	11.7	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		49-119%
321-60-8	2-Fluorobiphenyl	74%		45-118%
1718-51-0	Terphenyl-d14	89%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F22769-11	**Date Sampled:**	03/11/04
Matrix:	AQ - Ground Water	**Date Received:**	03/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF036401.D	50	03/18/04	CV	n/a	n/a	GEF3058
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	461	50	25	ug/l	
108-90-7	Chlorobenzene	ND	50	25	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	25	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
100-41-4	Ethylbenzene	564	50	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
108-88-3	Toluene	2320	50	25	ug/l	
1330-20-7	Xylenes (total)	1340	150	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
98-08-8	aaa-Trifluorotoluene	94%		73-122%

(a) All hits confirmed by dual column analysis.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F22769

CLIENT INFORMATION

NAME: Engineering & Environment Inc
ADDRESS: 824 Gumbranch Rd. Suite 5
CITY, STATE, ZIP: Jacksonville NC 28540
SEND REPORT TO: Bill Norris
PHONE #: (910) 989-3214

FACILITY INFORMATION

PROJECT NAME: Bldg 645
LOCATION: Camp Lejeune NC
PROJECT NO.: TO 00001
FAX #: (910) 989-3341 / 450-9302

ANALYTICAL INFORMATION

EPA 602 / EPA 625

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	LAB USE ONLY
1	UST645-MW21	3/10/04	0845	BS	GW	5	X				X	
2	UST645-MW01	3/10/04	1015	BS	GW	5	X				X	
3	UST645-MW02	3/10/04	1045	BS	GW	5	X				X	
4	UST645-MW12	3/10/04	1135	BS	GW	5	X				X	
5	UST645-DUP	3/10/04	—	BS	GW	5	X				X	
6	UST645-MW03	3/10/04	1320	BS	GW	5	X				X	
7	UST645-MW09	3/10/04	1405	BS	GW	5	X				X	
8	UST645-MW15	3/10/04	1445	BS	GW	5	X				X	
9	UST645-MW23	3/11/04	1005	BS	GW	5	X				X	
10	UST645-MW22	3/11/04	0915	BS	GW	5	X				X	
11	UST645-MW18	3/11/04	1103	BS	GW	5	X				X	

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [x] OTHER (SPECIFY) NEESA 4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. FED-EX		1. FED-EX	2. [illegible]	3/12/04 905	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL # 3236	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐	TEMPERATURE ____ C
5.		5.				

F22769: Chain of Custody
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ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F22769

Client: ENGINEERING ENVIRO Project: Bldg 645

Date Received: 3/12/04 Time Received: 9:00AM

# of Coolers Received: 3 Cooler Temperatures: 3-6 3.2 4.8

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

Air Bill Number: _____

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

Summary of Comments: _____

Signature: _____ Date: 3/12/04

Review Signature: _____

ASBD 12/30/03

F22769: Chain of Custody
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GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP9969-MB	L020949.D	1	03/22/04	ME	03/15/04	OP9969	SL1127

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

F22769-1, F22769-2, F22769-3, F22769-4, F22769-5, F22769-6, F22769-7, F22769-8, F22769-9, F22769-10, F22769-11

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

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	77%	49-119%
321-60-8	2-Fluorobiphenyl	78%	45-118%
1718-51-0	Terphenyl-d14	89%	46-135%

Blank Spike Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP9969-BS	L020948.D	1	03/22/04	ME	03/15/04	OP9969	SL1127

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

F22769-1, F22769-2, F22769-3, F22769-4, F22769-5, F22769-6, F22769-7, F22769-8, F22769-9, F22769-10, F22769-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	42.0	84	69-101
208-96-8	Acenaphthylene	50	43.6	87	75-113
120-12-7	Anthracene	50	45.3	91	75-107
56-55-3	Benzo(a)anthracene	50	46.4	93	73-106
50-32-8	Benzo(a)pyrene	50	45.9	92	75-114
205-99-2	Benzo(b)fluoranthene	50	45.7	91	73-110
191-24-2	Benzo(g,h,i)perylene	50	45.6	91	63-115
207-08-9	Benzo(k)fluoranthene	50	46.4	93	73-112
218-01-9	Chrysene	50	45.6	91	73-103
53-70-3	Dibenzo(a,h)anthracene	50	45.2	90	63-115
206-44-0	Fluoranthene	50	44.1	88	73-111
86-73-7	Fluorene	50	44.0	88	70-105
193-39-5	Indeno(1,2,3-cd)pyrene	50	45.9	92	63-118
90-12-0	1-Methylnaphthalene	50	38.7	77	63-99
91-57-6	2-Methylnaphthalene	50	36.7	73	66-100
91-20-3	Naphthalene	50	37.5	75	67-101
85-01-8	Phenanthrene	50	45.5	91	73-104
129-00-0	Pyrene	50	47.2	94	69-105

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	72%	49-119%
321-60-8	2-Fluorobiphenyl	73%	45-118%
1718-51-0	Terphenyl-d14	90%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP9969-MS	L020957.D	1	03/23/04	ME	03/15/04	OP9969	SL1127
OP9969-MSD	L020958.D	1	03/23/04	ME	03/15/04	OP9969	SL1127
F22769-6	L020956.D	1	03/23/04	ME	03/15/04	OP9969	SL1127

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

F22769-1, F22769-2, F22769-3, F22769-4, F22769-5, F22769-6, F22769-7, F22769-8, F22769-9, F22769-10, F22769-11

CAS No.	Compound	F22769-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		100	92.0	92	92.7	93	1	60-103/20
208-96-8	Acenaphthylene	ND		100	94.1	94	94.0	94	0	67-113/20
120-12-7	Anthracene	ND		100	93.9	94	93.2	93	1	71-105/14
56-55-3	Benzo(a)anthracene	ND		100	92.6	93	95.2	95	3	70-103/16
50-32-8	Benzo(a)pyrene	ND		100	93.7	94	95.1	95	1	70-113/16
205-99-2	Benzo(b)fluoranthene	ND		100	93.7	94	96.5	97	3	67-110/17
191-24-2	Benzo(g,h,i)perylene	ND		100	94.8	95	96.2	96	1	63-111/17
207-08-9	Benzo(k)fluoranthene	ND		100	92.9	93	95.4	95	3	68-110/17
218-01-9	Chrysene	ND		100	92.7	93	93.7	94	1	70-100/18
53-70-3	Dibenzo(a,h)anthracene	ND		100	92.3	92	94.4	94	2	62-111/20
206-44-0	Fluoranthene	ND		100	93.1	93	91.6	92	2	67-108/17
86-73-7	Fluorene	ND		100	93.3	93	92.4	92	1	65-105/17
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	93.8	94	95.7	96	2	66-111/19
90-12-0	1-Methylnaphthalene	16.4		100	98.9	83	101	85	2	55-97/23
91-57-6	2-Methylnaphthalene	18.7		100	95.0	76	97.8	79	3	56-100/23
91-20-3	Naphthalene	30.6		100	106	75	107	76	1	52-102/23
85-01-8	Phenanthrene	ND		100	92.2	92	94.7	95	3	69-103/15
129-00-0	Pyrene	ND		100	93.1	93	95.9	96	3	64-107/21

CAS No.	Surrogate Recoveries	MS	MSD	F22769-6	Limits
4165-60-0	Nitrobenzene-d5	77%	80%	87%	49-119%
321-60-8	2-Fluorobiphenyl	79%	81%	86%	45-118%
1718-51-0	Terphenyl-d14	86%	90%	95%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1127-DFTPP
Lab File ID: L020937.D
Instrument ID: GCMSL
Injection Date: 03/22/04
Injection Time: 14:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	66232	42.8		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	57190	37.0		Pass
70	Less than 2.0% of mass 69	233	0.15	(0.41) [a]	Pass
127	40.0 - 60.0% of mass 198	76779	49.6		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	154749	100.0		Pass
199	5.0 - 9.0% of mass 198	10374	6.7		Pass
275	10.0 - 30.0% of mass 198	30552	19.7		Pass
365	1.0 - 100.0% of mass 198	2941	1.9		Pass
441	Present, but less than mass 443	14894	9.6	(69.8) [b]	Pass
442	40.0 - 100.0% of mass 198	105923	68.4		Pass
443	17.0 - 23.0% of mass 442	21337	13.8	(20.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1127-IC1127	L020938.D	03/22/04	15:02	00:19	Initial cal 50
SL1127-IC1127	L020939.D	03/22/04	15:33	00:50	Initial cal 5
SL1127-IC1127	L020940.D	03/22/04	16:04	01:21	Initial cal 25
SL1127-ICC1127	L020941.D	03/22/04	16:35	01:52	Initial cal 75
SL1127-IC1127	L020942.D	03/22/04	17:06	02:23	Initial cal 100
SL1127-IC1127	L020943.D	03/22/04	17:36	02:53	Initial cal 125
SL1127-ICV1127	L020944.D	03/22/04	18:07	03:24	Initial cal verification 50
OP10014-MB	L020945.D	03/22/04	18:38	03:55	Method Blank
ZZZZZZ	L020946.D	03/22/04	19:09	04:26	(unrelated sample)
ZZZZZZ	L020947.D	03/22/04	19:40	04:57	(unrelated sample)
OP9969-BS	L020948.D	03/22/04	20:10	05:27	Blank Spike
OP9969-MB	L020949.D	03/22/04	20:41	05:58	Method Blank
ZZZZZZ	L020950.D	03/22/04	21:12	06:29	(unrelated sample)
F22769-1	L020951.D	03/22/04	21:43	07:00	UST645-MW21
F22769-2	L020952.D	03/22/04	22:14	07:31	UST645-MW01
F22769-3	L020953.D	03/22/04	22:45	08:02	UST645-MW02
F22769-4	L020954.D	03/22/04	23:15	08:32	UST645-MW12
F22769-5	L020955.D	03/22/04	23:46	09:03	UST645-DUP
F22769-6	L020956.D	03/23/04	00:17	09:34	UST645-MW03

Instrument Performance Check (DFTPP)

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1127-DFTPP
Lab File ID: L020937.D
Instrument ID: GCMSL
Injection Date: 03/22/04
Injection Time: 14:43

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP9969-MS	L020957.D	03/23/04	00:48	10:05	Matrix Spike
OP9969-MSD	L020958.D	03/23/04	01:18	10:35	Matrix Spike Duplicate
F22769-7	L020959.D	03/23/04	01:49	11:06	UST645-MW09
F22769-8	L020960.D	03/23/04	02:19	11:36	UST645-MW15
F22769-9	L020961.D	03/23/04	02:50	12:07	UST645-MW23
F22769-10	L020962.D	03/23/04	03:20	12:37	UST645-MW22
F22769-11	L020963.D	03/23/04	03:51	13:08	UST645-MW18

Semivolatile Internal Standard Area Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SL1127-ICC1127 **Injection Date:** 03/22/04
Lab File ID: L020941.D **Injection Time:** 16:35
Instrument ID: GCMSL **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	186943	5.20	728566	6.41	410577	8.81	658398	11.32	499346	16.28	360533	18.81
Upper Limit [a]	373886	5.70	1457132	6.91	821154	9.31	1316796	11.82	998692	16.78	721066	19.31
Lower Limit [b]	93472	4.70	364283	5.91	205289	8.31	329199	10.82	249673	15.78	180267	18.31

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP10014-MB	219010	5.20	830862	6.41	441014	8.80	683048	11.31	515261	16.27	359226	18.80
ZZZZZZ	204506	5.20	782991	6.41	423408	8.80	643691	11.31	466781	16.28	328441	18.82
ZZZZZZ	202629	5.20	744956	6.41	427622	8.80	661119	11.31	496458	16.27	355202	18.80
OP9969-BS	188467	5.19	736367	6.41	413600	8.80	651893	11.32	491201	16.28	346536	18.80
OP9969-MB	177402	5.19	679855	6.41	381023	8.80	605638	11.31	496377	16.27	360955	18.80
ZZZZZZ	174148	5.19	690570	6.41	386968	8.80	610303	11.31	492331	16.27	358708	18.79
F22769-1	178103	5.19	686229	6.41	384703	8.80	605081	11.31	492063	16.27	359812	18.79
F22769-2	187287	5.20	721467	6.41	405674	8.80	654002	11.31	546060	16.27	384578	18.80
F22769-3	191231	5.20	710872	6.41	404929	8.80	644292	11.31	505121	16.27	357627	18.80
F22769-4	188977	5.20	734116	6.41	402448	8.80	635752	11.31	505577	16.27	359373	18.80
F22769-5	183770	5.19	706240	6.41	397698	8.80	622502	11.31	496159	16.27	361382	18.79
F22769-6	189262	5.19	720838	6.41	405906	8.80	640156	11.31	509445	16.27	358061	18.80
OP9969-MS	177003	5.19	676287	6.41	380643	8.80	617798	11.31	495579	16.28	358391	18.80
OP9969-MSD	184698	5.19	715391	6.41	402435	8.80	640198	11.32	489670	16.28	346822	18.80
F22769-7	188223	5.19	705110	6.41	392827	8.80	630443	11.31	511229	16.27	371776	18.80
F22769-8	189329	5.19	745263	6.41	408576	8.80	646043	11.31	508761	16.27	359246	18.79
F22769-9	184157	5.20	715400	6.41	384689	8.80	618011	11.31	506156	16.27	367882	18.80
F22769-10	180603	5.19	692988	6.41	386338	8.80	616003	11.31	506360	16.27	362350	18.79
F22769-11	199696	5.19	758584	6.41	425124	8.80	679216	11.31	524494	16.27	372382	18.79

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
F22769-1	L020951.D	74.0	71.0	85.0
F22769-2	L020952.D	74.0	74.0	81.0
F22769-3	L020953.D	78.0	76.0	88.0
F22769-4	L020954.D	87.0	87.0	94.0
F22769-5	L020955.D	79.0	76.0	87.0
F22769-6	L020956.D	87.0	86.0	95.0
F22769-7	L020959.D	77.0	75.0	80.0
F22769-8	L020960.D	86.0	86.0	93.0
F22769-9	L020961.D	84.0	85.0	87.0
F22769-10	L020962.D	72.0	73.0	83.0
F22769-11	L020963.D	72.0	74.0	89.0
OP9969-BS	L020948.D	72.0	73.0	90.0
OP9969-MB	L020949.D	77.0	78.0	89.0
OP9969-MS	L020957.D	77.0	79.0	86.0
OP9969-MSD	L020958.D	80.0	81.0	90.0

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	49-119%
S2 = 2-Fluorobiphenyl	45-118%
S3 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1127-ICC1127
Lab FileID: L020941.D

Response Factor Report MSBNA02

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Mar 23 12:06:49 2004
Response via : Initial Calibration

Calibration Files
5 =L020939.D 25 =L020940.D 50 =L020938.D 75 =L020941.D
100 =L020942.D 125 =L020943.D

		Compound	5	25	50	75	100	125	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		1,4-Dioxane	0.427	0.432	0.421	0.416	0.418	0.424	0.423	1.39
3)		N-nitrosodimethylam	0.671	0.717	0.728	0.708	0.706	0.704	0.706	2.69
4)		Pyridine	1.005	1.153	1.093	1.100	1.110	1.103	1.094	4.45
5)		Benzaldehyde	0.892	0.695	0.576	0.412	0.397	0.389	0.560	36.26
6)		Aniline	1.834	1.858	1.819	1.757	1.737	1.693	1.783	3.59
7)	S	2-Fluorophenol	1.196	1.250	1.214	1.192	1.159	1.149	1.193	3.08
8)		bis(2-Chloroethyl)e	1.083	1.184	1.154	1.143	1.115	1.149	1.138	3.05
9)	S	Phenol-d5	1.419	1.519	1.494	1.449	1.419	1.415	1.453	3.06
10)	C	Phenol	1.609	1.707	1.662	1.617	1.581	1.575	1.625	3.12
11)		2-Chlorophenol	1.326	1.424	1.404	1.382	1.344	1.361	1.374	2.70
12)		1,3-Dichlorobenzene	1.543	1.639	1.593	1.568	1.518	1.521	1.564	2.98
13)	C	1,4-Dichlorobenzene	1.571	1.619	1.579	1.541	1.510	1.513	1.555	2.71
14)		1,2-Dichlorobenzene	1.444	1.520	1.512	1.467	1.456	1.428	1.471	2.52
15)		Benzyl alcohol	0.804	0.840	0.866	0.849	0.835	0.837	0.839	2.43
16)		bis(2-chloroisoprop	1.926	2.062	1.979	1.947	1.879	1.888	1.947	3.47
17)		2-Methylphenol	1.064	1.147	1.153	1.138	1.129	1.118	1.125	2.88
18)		Acetophenone	1.560	1.664	1.742	1.642	1.641	1.781	1.672	4.72
19)		Hexachloroethane	0.493	0.559	0.557	0.551	0.534	0.534	0.538	4.57
20)	P	N-Nitroso-di-n-prop	0.836	0.885	0.912	0.882	0.859	0.860	0.872	3.02
21)		3&4-Methylphenol	1.162	1.227	1.232	1.215	1.181	1.187	1.201	2.34
22)	I	Naphthalene-d8	----------ISTD----------							
23)	S	Nitrobenzene-d5	0.311	0.334	0.326	0.332	0.322	0.325	0.325	2.47
24)		Nitrobenzene	0.298	0.324	0.320	0.319	0.308	0.309	0.313	3.16
25)		Isophorone	0.570	0.602	0.597	0.597	0.572	0.579	0.586	2.42
26)	C	2-Nitrophenol	0.192	0.209	0.209	0.208	0.203	0.206	0.204	3.19
27)		2,4-Dimethylphenol	0.301	0.337	0.329	0.326	0.310	0.316	0.320	4.12
28)		bis(2-Chloroethoxy)	0.366	0.376	0.371	0.366	0.352	0.352	0.364	2.71
29)		Benzoic Acid	0.157	0.231	0.248	0.261	0.257	0.265	0.236	17.17
		---- Quadratic regression ---- Coefficient = 0.9995								
		Response Ratio = -0.02732 + 0.25430 *A + 0.00232 *A^2								
30)	C	2,4-Dichlorophenol	0.290	0.313	0.317	0.308	0.289	0.296	0.302	3.98
31)		1,2,4-Trichlorobenz	0.300	0.321	0.313	0.307	0.296	0.296	0.305	3.38
32)		Naphthalene	0.962	1.017	0.995	0.969	0.931	0.942	0.970	3.34
33)		4-Chloroaniline	0.413	0.440	0.437	0.415	0.400	0.399	0.417	4.23
34)		2,6-Dichlorophenol	0.288	0.308	0.302	0.292	0.281	0.285	0.293	3.60
35)	C	Hexachlorobutadiene	0.151	0.167	0.165	0.158	0.154	0.153	0.158	4.08
36)		Caprolactam	0.111	0.122	0.131	0.123	0.123	0.138	0.125	7.29
37)	C	4-Chloro-3-methylph	0.266	0.293	0.295	0.295	0.287	0.290	0.288	3.87
38)		2-Methylnaphthalene	0.695	0.740	0.733	0.710	0.679	0.691	0.708	3.40
39)		1-Methylnaphthalene	0.659	0.717	0.693	0.684	0.655	0.653	0.677	3.77
40)		1,2,4,5-Tetrachloro	0.284	0.295	0.293	0.289	0.277	0.278	0.286	2.66
41)	I	Acenaphthene-d10	----------ISTD----------							

Initial Calibration Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1127-ICC1127
Lab FileID: L020941.D

42)	P	Hexachlorocyclopent	0.217	0.284	0.293	0.292	0.288	0.288	0.277	10.67
43)	C	2,4,6-Trichlorophen	0.343	0.377	0.375	0.378	0.369	0.367	0.368	3.53
44)		2,4,5-Trichlorophen	0.351	0.408	0.392	0.401	0.393	0.394	0.390	5.13
45)	S	2-Fluorobiphenyl	1.362	1.418	1.365	1.330	1.291	1.283	1.341	3.81
46)		1,1'-Biphenyl	1.407	1.538	1.548	1.479	1.459	1.596	1.505	4.57
47)		2-Chloronaphthalene	1.157	1.207	1.148	1.135	1.089	1.077	1.135	4.19
48)		2-Nitroaniline	0.304	0.344	0.340	0.341	0.337	0.336	0.334	4.49
49)		Acenaphthylene	1.767	1.913	1.799	1.772	1.702	1.694	1.774	4.48
50)		Dimethylphthalate	1.398	1.457	1.432	1.385	1.347	1.367	1.398	2.92
51)		2,6-Dinitrotoluene	0.283	0.323	0.316	0.316	0.309	0.307	0.309	4.46
52)	C	Acenaphthene	1.157	1.214	1.160	1.152	1.119	1.104	1.151	3.35
53)		3-Nitroaniline	0.342	0.390	0.394	0.390	0.385	0.387	0.381	5.11
54)	P	2,4-Dinitrophenol	0.132	0.198	0.212	0.222	0.222	0.228	0.202	17.71
		---- Quadratic regression ---- Coefficient = 0.9999								
		Response Ratio = -0.02378 + 0.21724 *A + 0.00225 *A^2								
55)		Dibenzofuran	1.659	1.764	1.676	1.645	1.580	1.558	1.647	4.47
56)		2,4-Dinitrotoluene	0.391	0.454	0.451	0.453	0.445	0.447	0.440	5.53
57)	P	4-Nitrophenol	0.165	0.186	0.188	0.189	0.182	0.184	0.182	4.75
58)		2,3,4,6-Tetrachloro	0.247	0.283	0.286	0.286	0.281	0.286	0.278	5.55
59)		Fluorene	1.317	1.419	1.374	1.326	1.289	1.268	1.332	4.20
60)		4-Chlorophenyl-phen	0.582	0.604	0.580	0.565	0.551	0.548	0.572	3.71
61)		Diethylphthalate	1.402	1.466	1.437	1.395	1.360	1.351	1.402	3.15
62)		4-Nitroaniline	0.359	0.408	0.403	0.398	0.398	0.403	0.395	4.54
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-methy	0.126	0.164	0.172	0.172	0.171	0.171	0.162	11.25
65)	C	n-Nitrosodiphenylam	0.596	0.617	0.607	0.593	0.574	0.577	0.594	2.81
66)		1,2-Diphenylhydrazi	0.689	0.735	0.712	0.716	0.702	0.689	0.707	2.51
67)	S	2,4,6-Tribromopheno	0.071	0.085	0.083	0.084	0.081	0.080	0.080	6.34
68)		4-Bromophenyl-pheny	0.171	0.185	0.179	0.180	0.179	0.175	0.178	2.67
69)		Hexachlorobenzene	0.174	0.176	0.174	0.172	0.166	0.166	0.171	2.59
70)		Atrazine	0.205	0.234	0.216	0.197	0.195	0.193	0.207	7.79
71)	C	Pentachlorophenol	0.090	0.119	0.122	0.124	0.123	0.124	0.117	11.38
72)		Phenanthrene	1.181	1.207	1.170	1.151	1.132	1.112	1.159	2.98
73)		Anthracene	1.167	1.234	1.213	1.180	1.144	1.125	1.177	3.50
74)		Carbazole	1.145	1.222	1.184	1.173	1.141	1.123	1.165	3.08
75)		Di-n-butylphthalate	1.428	1.512	1.473	1.441	1.402	1.367	1.437	3.58
76)	C	Fluoranthene	1.145	1.232	1.207	1.193	1.157	1.134	1.178	3.27
77)	I	Chrysene-d12	----------ISTD----------							
78)		Benzidine		0.591	0.440	0.439	0.465	0.441	0.475	13.76
79)		Pyrene	1.519	1.620	1.619	1.618	1.531	1.557	1.577	3.01
80)	S	Terphenyl-d14	0.805	0.891	0.891	0.884	0.853	0.850	0.862	3.90
81)		Butylbenzylphthalat	0.795	0.845	0.861	0.844	0.819	0.811	0.829	2.96
82)		3,3'-Dichlorobenzid	0.446	0.467	0.467	0.446	0.436	0.425	0.448	3.75
83)		Benzo[a]anthracene	1.241	1.324	1.336	1.325	1.291	1.286	1.300	2.73
84)		Chrysene	1.232	1.271	1.262	1.245	1.211	1.209	1.238	2.07
85)		bis(2-Ethylhexyl)ph	1.145	1.197	1.206	1.156	1.108	1.110	1.154	3.61
86)	I	Perylene-d12	----------ISTD----------							
87)	C	Di-n-octylphthalate	2.746	2.948	2.914	2.774	2.664	2.635	2.780	4.60
88)		Benzo[b]fluoranthen	1.599	1.742	1.718	1.694	1.750	1.680	1.697	3.25
89)		Benzo[k]fluoranthen	1.557	1.723	1.717	1.666	1.516	1.590	1.628	5.31
90)	C	Benzo[a]pyrene	1.531	1.624	1.606	1.570	1.550	1.548	1.572	2.31
91)		Indeno[1,2,3-cd]pyr	1.501	1.609	1.596	1.616	1.580	1.600	1.584	2.66
92)		Dibenz[a,h]anthrace	1.377	1.547	1.516	1.484	1.447	1.474	1.474	4.00
93)		Benzo[g,h,i]perylen	1.566	1.664	1.675	1.646	1.618	1.623	1.632	2.40

(#) = Out of Range

Initial Calibration Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1127-ICC1127
Lab FileID: L020941.D

8270C.M Tue Mar 23 14:09:47 2004

Initial Calibration Verification

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1127-ICV1127
Lab FileID: L020944.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\032204\L020944.D Vial: 8
Acq On : 22 Mar 2004 6:07 pm Operator: marke
Sample : icv1127-50 Inst : MSBNA02
Misc : op10014,sl1127,30.0,,,1,1,soil Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Mar 23 17:06:38 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	107	0.00	5.20
2		1,4-Dioxane	50.000	48.808	2.4	0	0.00	2.80
3		N-nitrosodimethylamine	50.000	49.423	1.2	0	0.00	3.11
4		Pyridine	50.000	51.595	-3.2	0	0.00	3.13
5		Benzaldehyde	50.000	21.915	56.2#	0	0.00	4.85
6		Aniline	50.000	36.956	26.1#	0	0.00	4.96
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	49.952	0.1	0	0.00	4.99
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	49.996	0.0	0	0.00	4.94
11		2-Chlorophenol	50.000	50.478	-1.0	0	0.00	5.05
12		1,3-Dichlorobenzene	50.000	50.491	-1.0	0	0.00	5.17
13	C	1,4-Dichlorobenzene	50.000	51.241	-2.5	0	0.00	5.21
14		1,2-Dichlorobenzene	50.000	51.260	-2.5	0	0.00	5.37
15		Benzyl alcohol	50.000	49.516	1.0	0	0.00	5.32
16		bis(2-chloroisopropyl)eth	50.000	50.709	-1.4	0	0.00	5.45
17		2-Methylphenol	50.000	50.770	-1.5	0	0.00	5.43
18		Acetophenone	50.000	47.885	4.2	0	0.00	5.56
19		Hexachloroethane	50.000	51.246	-2.5	0	0.00	5.65
20	P	N-Nitroso-di-n-propylamin	50.000	47.252	5.5	0	0.00	5.57
21		3&4-Methylphenol	100.000	95.685	4.3	0	0.00	5.56
22	I	Naphthalene-d8	40.000	40.000	0.0	104	0.00	6.41
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	51.889	-3.8	0	0.00	5.72
25		Isophorone	50.000	50.304	-0.6	0	0.00	5.93
26	C	2-Nitrophenol	50.000	51.578	-3.2	0	0.00	6.03
27		2,4-Dimethylphenol	50.000	50.209	-0.4	0	0.00	6.05
28		bis(2-Chloroethoxy)methan	50.000	43.737	12.5	0	0.00	6.14
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	100.000	96.341	3.7	0	-0.02	6.19
		----------	Amount	Calc.	%Drift		----------	
30	C	2,4-Dichlorophenol	50.000	51.716	-3.4	0	0.00	6.27
31		1,2,4-Trichlorobenzene	50.000	51.409	-2.8	0	0.00	6.36
32		Naphthalene	50.000	51.605	-3.2	0	0.00	6.43
33		4-Chloroaniline	50.000	28.297	43.4#	0	0.00	6.51
34		2,6-Dichlorophenol	50.000	49.228	1.5	0	0.00	6.52
35	C	Hexachlorobutadiene	50.000	45.332	9.3	0	0.00	6.63
36		Caprolactam	50.000	47.186	5.6	0	-0.06	6.89
37	C	4-Chloro-3-methylphenol	50.000	50.368	-0.7	0	0.00	7.08

Initial Calibration Verification

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1127-ICV1127
Lab FileID: L020944.D

38		2-Methylnaphthalene	50.000	48.058	3.9	0	0.00	7.26
39		1-Methylnaphthalene	50.000	50.262	-0.5	0	0.00	7.40
40		1,2,4,5-Tetrachlorobenzen	50.000	49.330	1.3	0	0.00	7.54
41	I	Acenaphthene-d10	40.000	40.000	0.0	99	0.00	8.80
42	P	Hexachlorocyclopentadiene	50.000	53.420	-6.8	0	0.00	7.57
43	C	2,4,6-Trichlorophenol	50.000	50.203	-0.4	0	0.00	7.68
44		2,4,5-Trichlorophenol	50.000	51.359	-2.7	0	0.00	7.74
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	49.926	0.1	0	0.00	7.92
47		2-Chloronaphthalene	50.000	51.388	-2.8	0	0.00	7.93
48		2-Nitroaniline	50.000	50.093	-0.2	0	0.00	8.13
49		Acenaphthylene	50.000	55.726	-11.5	0	0.00	8.56
50		Dimethylphthalate	50.000	49.858	0.3	0	0.00	8.46
51		2,6-Dinitrotoluene	50.000	50.154	-0.3	0	0.00	8.55
52	C	Acenaphthene	50.000	52.892	-5.8	0	0.00	8.86
53		3-Nitroaniline	50.000	33.024	34.0#	0	0.00	8.77
		----------	Amount	Calc.	%Drift	----------		
54	P	2,4-Dinitrophenol	100.000	98.292	1.7	0	0.00	8.94
		----------	Amount	Calc.	%Drift	----------		
55		Dibenzofuran	50.000	49.357	1.3	0	0.00	9.11
56		2,4-Dinitrotoluene	50.000	50.057	-0.1	0	0.00	9.19
57	P	4-Nitrophenol	100.000	95.981	4.0	0	-0.01	9.08
58		2,3,4,6-Tetrachlorophenol	50.000	50.801	-1.6	0	0.00	9.40
59		Fluorene	50.000	52.062	-4.1	0	0.00	9.69
60		4-Chlorophenyl-phenylethe	50.000	50.520	-1.0	0	0.00	9.71
61		Diethylphthalate	50.000	49.440	1.1	0	0.00	9.64
62		4-Nitroaniline	50.000	45.146	9.7	0	-0.01	9.80
63	I	Phenanthrene-d10	40.000	40.000	0.0	98	0.00	11.31
64		4,6-Dinitro-2-methylpheno	100.000	108.626	-8.6	0	-0.01	9.88
65	C	n-Nitrosodiphenylamine	50.000	51.784	-3.6	0	0.00	9.93
66		1,2-Diphenylhydrazine	50.000	49.761	0.5	0	0.00	9.97
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	51.295	-2.6	0	0.00	10.55
69		Hexachlorobenzene	50.000	49.031	1.9	0	0.00	10.79
70		Atrazine	50.000	55.149	-10.3	0	0.00	10.96
71	C	Pentachlorophenol	100.000	100.982	-1.0	0	0.00	11.12
72		Phenanthrene	50.000	51.285	-2.6	0	0.00	11.36
73		Anthracene	50.000	52.851	-5.7	0	0.00	11.44
74		Carbazole	50.000	48.982	2.0	0	0.00	11.76
75		Di-n-butylphthalate	50.000	48.220	3.6	0	0.00	12.61
76	C	Fluoranthene	50.000	48.970	2.1	0	0.00	13.55
77	I	Chrysene-d12	40.000	40.000	0.0	94	0.00	16.28
78		Benzidine		----------NA----------				
79		Pyrene	50.000	52.198	-4.4	0	0.00	13.96
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	49.803	0.4	0	0.00	15.42
82		3,3'-Dichlorobenzidine	50.000	31.731	36.5#	0	-0.01	16.29
83		Benzo[a]anthracene	50.000	51.574	-3.1	0	0.00	16.25
84		Chrysene	50.000	51.626	-3.3	0	0.00	16.33
85		bis(2-Ethylhexyl)phthalat	50.000	49.761	0.5	0	0.00	16.62
86	I	Perylene-d12	40.000	40.000	0.0	90	0.00	18.80
87	C	Di-n-octylphthalate	50.000	51.000	-2.0	0	0.00	17.74
88		Benzo[b]fluoranthene	50.000	51.701	-3.4	0	-0.01	18.18
89		Benzo[k]fluoranthene	50.000	52.035	-4.1	0	0.00	18.23

Initial Calibration Verification

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1127-ICV1127
Lab FileID: L020944.D

90	C	Benzo[a]pyrene	50.000	52.989	-6.0	0	0.00	18.71
91		Indeno[1,2,3-cd]pyrene	50.000	49.560	0.9	0	-0.01	20.43
92		Dibenz[a,h]anthracene	50.000	49.861	0.3	0	0.00	20.47
93		Benzo[g,h,i]perylene	50.000	50.578	-1.2	0	-0.01	20.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L020944.D 8270C.M Wed Mar 24 13:19:27 2004

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3053-MB	EF036298.D	1	03/16/04	CV	n/a	n/a	GEF3053

The QC reported here applies to the following samples: **Method:** EPA 601/602

F22769-1, F22769-4, F22769-7, F22769-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	92%	70-123%
98-08-8	aaa-Trifluorotoluene	93%	73-122%

Method Blank Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3058-MB	EF036390.D	1	03/18/04	CV	n/a	n/a	GEF3058

The QC reported here applies to the following samples: **Method:** EPA 601/602

F22769-2, F22769-3, F22769-5, F22769-6, F22769-9, F22769-10, F22769-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	91%	70-123%
98-08-8	aaa-Trifluorotoluene	94%	73-122%

Blank Spike Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3053-BS	EF036297.D	1	03/16/04	CV	n/a	n/a	GEF3053

The QC reported here applies to the following samples: **Method:** EPA 601/602

F22769-1, F22769-4, F22769-7, F22769-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.8	104	86-121
108-90-7	Chlorobenzene	20	20.2	101	81-119
95-50-1	1,2-Dichlorobenzene	20	20.1	101	75-120
541-73-1	1,3-Dichlorobenzene	20	20.6	103	77-121
106-46-7	1,4-Dichlorobenzene	20	20.2	101	75-122
100-41-4	Ethylbenzene	20	20.0	100	81-126
1634-04-4	Methyl Tert Butyl Ether	20	19.5	98	76-117
108-88-3	Toluene	20	20.6	103	82-123
1330-20-7	Xylenes (total)	60	60.2	100	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	106%	70-123%
98-08-8	aaa-Trifluorotoluene	102%	73-122%

Blank Spike Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3058-BS	EF036389.D	1	03/18/04	CV	n/a	n/a	GEF3058

The QC reported here applies to the following samples: **Method:** EPA 601/602

F22769-2, F22769-3, F22769-5, F22769-6, F22769-9, F22769-10, F22769-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.5	103	86-121
108-90-7	Chlorobenzene	20	19.8	99	81-119
95-50-1	1,2-Dichlorobenzene	20	18.8	94	75-120
541-73-1	1,3-Dichlorobenzene	20	20.0	100	77-121
106-46-7	1,4-Dichlorobenzene	20	19.6	98	75-122
100-41-4	Ethylbenzene	20	19.5	98	81-126
1634-04-4	Methyl Tert Butyl Ether	20	20.1	101	76-117
108-88-3	Toluene	20	20.0	100	82-123
1330-20-7	Xylenes (total)	60	58.2	97	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	101%	70-123%
98-08-8	aaa-Trifluorotoluene	97%	73-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F22596-4MS	EF036305.D	10	03/16/04	CV	n/a	n/a	GEF3053
F22596-4MSD	EF036306.D	10	03/16/04	CV	n/a	n/a	GEF3053
F22596-4 [a]	EF036304.D	10	03/16/04	CV	n/a	n/a	GEF3053

The QC reported here applies to the following samples: **Method:** EPA 601/602

F22769-1, F22769-4, F22769-7, F22769-8

CAS No.	Compound	F22596-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	284		200	472	94	468	92	1	77-125/6
108-90-7	Chlorobenzene	ND		200	202	101	199	100	1	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		200	217	109	217	109	0	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		200	210	105	203	102	3	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		200	206	103	201	101	2	67-129/7
100-41-4	Ethylbenzene	102		200	292	95	288	93	1	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		200	197	99	197	99	0	66-127/9
108-88-3	Toluene	421		200	608	94	599	89	1	77-124/5
1330-20-7	Xylenes (total)	749		600	1310	94	1290	90	2	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F22596-4	Limits
352-33-0	1-Chloro-4-fluorobenzene	104%	103%	100%	70-123%
98-08-8	aaa-Trifluorotoluene	102%	102%	99%	73-122%

(a) All hits confirmed by dual column analysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F22800-2MS	EF036403.D	1	03/18/04	CV	n/a	n/a	GEF3058
F22800-2MSD	EF036404.D	1	03/18/04	CV	n/a	n/a	GEF3058
F22800-2	EF036402.D	1	03/18/04	CV	n/a	n/a	GEF3058

The QC reported here applies to the following samples: **Method:** EPA 601/602

F22769-2, F22769-3, F22769-5, F22769-6, F22769-9, F22769-10, F22769-11

CAS No.	Compound	F22800-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	19.3	97	18.9	95	2	77-125/6
108-90-7	Chlorobenzene	ND		20	18.6	93	18.7	94	1	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	17.9	90	20.0	100	11*	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	18.8	94	20.3	102	8*	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	18.4	92	20.2	101	9*	67-129/7
100-41-4	Ethylbenzene	ND		20	18.6	93	18.3	92	2	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	18.7	94	15.3	77	20*	66-127/9
108-88-3	Toluene	ND		20	18.8	94	18.3	92	3	77-124/5
1330-20-7	Xylenes (total)	ND		60	55.3	92	55.0	92	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F22800-2	Limits
352-33-0	1-Chloro-4-fluorobenzene	99%	100%	90%	70-123%
98-08-8	aaa-Trifluorotoluene	96%	95%	92%	73-122%

Volatile Surrogate Recovery Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F22769-1	EF036310.D	88.0	90.0
F22769-2	EF036398.D	106.0	104.0
F22769-3	EF036400.D	100.0	101.0
F22769-4	EF036313.D	88.0	87.0
F22769-5	EF036394.D	96.0	95.0
F22769-6	EF036395.D	100.0	95.0
F22769-7	EF036316.D	87.0	88.0
F22769-8	EF036317.D	90.0	91.0
F22769-9	EF036396.D	92.0	92.0
F22769-10	EF036397.D	95.0	96.0
F22769-11	EF036401.D	95.0	94.0
F22596-4MS	EF036305.D	104.0	102.0
F22596-4MSD	EF036306.D	103.0	102.0
F22800-2MS	EF036403.D	99.0	96.0
F22800-2MSD	EF036404.D	100.0	95.0
GEF3053-BS	EF036297.D	106.0	102.0
GEF3053-MB	EF036298.D	92.0	93.0
GEF3058-BS	EF036389.D	101.0	97.0
GEF3058-MB	EF036390.D	91.0	94.0

Surrogate Compounds	Recovery Limits
S1 = 1-Chloro-4-fluorobenzene	70-123%
S2 = aaa-Trifluorotoluene	73-122%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3053-CC3016	**Injection Date:**	03/16/04
Lab File ID:	EF036296.D	**Injection Time:**	09:34
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	9.06	8.86	5.98	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
GEF3053-BS	EF036297.D	03/16/04	10:11		8.85		5.77
GEF3053-MB	EF036298.D	03/16/04	10:36		8.85		5.77
ZZZZZZ	EF036299.D	03/16/04	11:00		8.85		5.77
ZZZZZZ	EF036300.D	03/16/04	11:25	9.03		5.97	
ZZZZZZ	EF036301.D	03/16/04	11:50		8.85		5.77
ZZZZZZ	EF036302.D	03/16/04	12:14		8.85		5.77
ZZZZZZ	EF036303.D	03/16/04	12:39		8.85		5.77
F22596-4	EF036304.D	03/16/04	13:03		8.85		5.77
F22596-4MS	EF036305.D	03/16/04	13:28		8.84		5.76
F22596-4MSD	EF036306.D	03/16/04	13:52		8.85		5.77

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3053-CC3016	**Injection Date:**	03/16/04
Lab File ID:	EF036307.D	**Injection Time:**	14:16
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.85	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	EF036308.D	03/16/04	14:41	8.85	5.77
ZZZZZZ	EF036309.D	03/16/04	15:06	8.85	5.77
F22769-1	EF036310.D	03/16/04	15:30	8.85	5.77
F22769-4	EF036313.D	03/16/04	16:43	8.85	5.77
F22769-7	EF036316.D	03/16/04	17:57	8.85	5.76
F22769-8	EF036317.D	03/16/04	18:22	8.85	5.77

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3058-CC3016	**Injection Date:**	03/18/04
Lab File ID:	EF036388.D	**Injection Time:**	09:31
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.87	5.78

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF3058-BS	EF036389.D	03/18/04	09:55	8.87	5.78
GEF3059-BS	EF036389.D	03/18/04	09:55	8.87	5.78
GEF3058-MB	EF036390.D	03/18/04	10:19	8.86	5.78
GEF3059-MB	EF036390.D	03/18/04	10:19	8.86	5.78
ZZZZZZ	EF036391.D	03/18/04	10:44	8.86	5.78
ZZZZZZ	EF036392.D	03/18/04	11:08	8.87	5.78
ZZZZZZ	EF036393.D	03/18/04	11:33	8.86	5.78
F22769-5	EF036394.D	03/18/04	11:57	8.87	5.78
F22769-6	EF036395.D	03/18/04	12:22	8.86	5.78
F22769-9	EF036396.D	03/18/04	12:46	8.86	5.78
F22769-10	EF036397.D	03/18/04	13:11	8.86	5.78
F22769-2	EF036398.D	03/18/04	13:35	8.86	5.78

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3058-CC3016	**Injection Date:**	03/18/04
Lab File ID:	EF036399.D	**Injection Time:**	13:59
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.86	5.78

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F22769-3	EF036400.D	03/18/04	14:26	8.86	5.78
F22769-11	EF036401.D	03/18/04	14:53	8.86	5.78
F22800-2	EF036402.D	03/18/04	15:17	8.86	5.78
F22800-2MS	EF036403.D	03/18/04	15:42	8.86	5.78
F22800-2MSD	EF036404.D	03/18/04	16:08	8.85	5.77
ZZZZZZ	EF036405.D	03/18/04	16:32	8.86	5.78

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3016-ICC3016
Lab FileID: EF035469.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL0224.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Feb 18 11:36:12 2004
Response via : Initial Calibration

Calibration Files
1 =EF035467.D 2 =EF035468.D 3 =EF035469.D
4 =EF035470.D 5 =EF035471.D 6 =EF035472.D

	Compound	1	2	3	4	5	6	Avg		%RSD
1)	Methyl tert Butyl E	1.572	1.797	1.858	1.923	1.923	1.922	1.833	E3	7.48
2)	Di-Isopropyl ether	2.501	2.791	2.840	2.875	2.865	2.882	2.792	E3	5.25
3)	Benzene	6.159	6.340	6.475	6.564	6.528	6.599	6.444	E3	2.59
4) S	a,a,a-TFT(S)	1.914	1.947	1.996	2.010	2.030	2.083	1.997	E3	3.01
5)	Toluene	5.746	5.458	5.617	5.727	5.698	5.765	5.668	E3	2.04
6) S	1-Chloro-4-Fluorobe	2.929	2.871	3.004	3.028	3.113	3.183	3.021	E3	3.80
7)	Chlorobenzene		5.648	5.442	5.498	5.494	5.559	5.528	E3	1.43
8)	Ethylbenzene		5.113	4.853	4.810	4.795	4.842	4.883	E3	2.68
9)	m,p-Xylene		5.330	5.230	5.230	5.215	5.255	5.252	E3	0.87
10)	o-Xylene	5.351	4.640	4.682	4.701	4.663	4.685	4.787	E3	5.79
11)	1,3-Dichlorobenzene	4.656	3.584	3.896	3.937	4.074	4.208	4.059	E3	8.86
12)	1,4-Dichlorobenzene	4.701	3.782	4.161	4.252	4.389	4.544	4.305	E3	7.48
13)	1,2-Dichlorobenzene		2.369	2.618	2.702	2.771	2.886	2.669	E3	7.29

Signal #2

	Compound	1	2	3	4	5	6	Avg		%RSD
1)	Methyl tert Butyl E	1.305	1.478	1.522	1.568	1.555	1.541	1.495	E3	6.55
2)	Di-Isopropyl ether	2.053	2.222	2.270	2.295	2.273	2.265	2.230	E3	4.03
3)	Benzene	4.955	5.227	5.401	5.418	5.385	5.427	5.302	E3	3.49
4) S	a,a,a-TFT(S)	1.504	1.541	1.583	1.581	1.604	1.633	1.574	E3	2.92
5)	Toluene	4.546	4.367	4.624	4.662	4.645	4.721	4.594	E3	2.72
6) S	1-Chloro-4-Fluorobe	2.183	2.183	2.313	2.321	2.399	2.444	2.307	E3	4.67
7)	Chlorobenzene		5.029	4.607	4.572	4.576	4.612	4.679	E3	4.20
8)	Ethylbenzene		4.207	4.126	4.108	4.097	4.112	4.130	E3	1.07
9)	m,p-Xylene		4.498	4.432	4.432	4.461	4.475	4.460	E3	0.64
10)	o-Xylene	4.144	3.657	3.743	3.720	3.739	3.781	3.797	E3	4.60
11)	1,3-Dichlorobenzene	3.198	2.811	3.127	3.203	3.234	3.325	3.150	E3	5.64
12)	1,4-Dichlorobenzene	3.424	2.840	3.200	3.259	3.315	3.439	3.246	E3	6.76
13)	1,2-Dichlorobenzene		1.949	2.196	2.293	2.323	2.385	2.229	E3	7.67

(#) = Out of Range

DUAL0224.M Wed Feb 25 08:52:39 2004 EF

Continuing Calibration Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3053-CC3016
Lab FileID: EF036296.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031604\EF036296.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\031604\EF036296.D\FID2B.CH
Acq On : 16 Mar 2004 9:34 am Operator: ClaireV
Sample : CC3016-40 Inst : VOA1
Misc : gc3290,gef3053,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0224.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Feb 18 11:36:12 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	40.053	-0.1	95	0.00
2		Di-Isopropyl ether	40.000	40.714	-1.8	99	0.00
3		Benzene	40.000	41.216	-3.0	101	0.01
4	S	a,a,a-TFT(S)	20.000	19.720	1.4	98	0.01
5		Toluene	40.000	40.971	-2.4	101	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	20.619	-3.1	103	0.02
7		Chlorobenzene	40.000	40.837	-2.1	103	0.02
8		Ethylbenzene	40.000	40.664	-1.7	103	0.02
9		m,p-Xylene	80.000	82.555	-3.2	104	0.02
10		o-Xylene	40.000	40.142	-0.4	102	0.02
11		1,3-Dichlorobenzene	40.000	40.797	-2.0	105	0.01
12		1,4-Dichlorobenzene	40.000	42.019	-5.0	106	0.01
13		1,2-Dichlorobenzene	40.000	42.931	-7.3	106	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	41.247	-3.1	98	0.00
2		Di-Isopropyl ether	40.000	40.908	-2.3	99	0.00
3		Benzene	40.000	41.814	-4.5	102	0.00
4	S	a,a,a-TFT(S)	20.000	19.990	0.1	100	0.00
5		Toluene	40.000	41.898	-4.7	103	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.739	-3.7	103	0.01
7		Chlorobenzene	40.000	40.464	-1.2	104	0.02
8		Ethylbenzene	40.000	40.786	-2.0	103	0.02
9		m,p-Xylene	80.000	82.559	-3.2	104	0.02
10		o-Xylene	40.000	40.594	-1.5	104	0.02
11		1,3-Dichlorobenzene	40.000	43.195	-8.0	106	0.01
12		1,4-Dichlorobenzene	40.000	42.253	-5.6	105	0.01
13		1,2-Dichlorobenzene	40.000	42.717	-6.8	104	0.01

Average % D = 3.1

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF035470.D DUAL0224.M Wed Mar 17 09:36:04 2004 EF

Continuing Calibration Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3053-CC3016
Lab FileID: EF036307.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031604\EF036307.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\031604\EF036307.D\FID2B.CH
Acq On : 16 Mar 2004 2:16 pm Operator: ClaireV
Sample : cc3016-20 Inst : VOA1
Misc : gc3276,gef3053,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0224.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Feb 18 11:36:12 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.593	-8.0	106	0.00
2		Di-Isopropyl ether	20.000	20.772	-3.9	102	0.00
3		Benzene	20.000	20.993	-5.0	104	0.00
4	S	a,a,a-TFT(S)	20.000	19.936	0.3	100	0.00
5		Toluene	20.000	20.859	-4.3	105	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.666	-3.3	104	0.00
7		Chlorobenzene	20.000	20.342	-1.7	103	0.00
8		Ethylbenzene	20.000	20.473	-2.4	103	0.00
9		m,p-Xylene	40.000	41.168	-2.9	103	0.00
10		o-Xylene	20.000	20.246	-1.2	103	0.00
11		1,3-Dichlorobenzene	20.000	20.583	-2.9	107	0.00
12		1,4-Dichlorobenzene	20.000	20.859	-4.3	108	0.00
13		1,2-Dichlorobenzene	20.000	21.418	-7.1	109	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.574	-7.9	106	0.00
2		Di-Isopropyl ether	20.000	20.640	-3.2	101	0.00
3		Benzene	20.000	21.101	-5.5	104	0.00
4	S	a,a,a-TFT(S)	20.000	19.922	0.4	99	0.00
5		Toluene	20.000	21.050	-5.3	105	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.483	-2.4	102	0.00
7		Chlorobenzene	20.000	20.173	-0.9	102	0.00
8		Ethylbenzene	20.000	20.614	-3.1	103	0.00
9		m,p-Xylene	40.000	41.094	-2.7	103	0.00
10		o-Xylene	20.000	20.499	-2.5	104	0.00
11		1,3-Dichlorobenzene	20.000	21.282	-6.4	107	0.00
12		1,4-Dichlorobenzene	20.000	21.188	-5.9	107	0.00
13		1,2-Dichlorobenzene	20.000	21.367	-6.8	108	0.00

Average % D = 3.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF035469.D DUAL0224.M Wed Mar 17 09:36:54 2004 EF

Continuing Calibration Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3053-CC3016
Lab FileID: EF036318.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031604\EF036318.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\031604\EF036318.D\FID2B.CH
Acq On : 16 Mar 2004 6:46 pm Operator: ClaireV
Sample : cc3016-20 Inst : VOA1
Misc : gc3296,gef3053,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0224.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Feb 18 11:36:12 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.059	4.7	94	0.00
2		Di-Isopropyl ether	20.000	18.603	7.0	91	0.00
3		Benzene	20.000	18.708	6.5	93	0.00
4	S	a,a,a-TFT(S)	20.000	17.798	11.0	89	0.00
5		Toluene	20.000	18.491	7.5	93	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	18.345	8.3	92	0.00
7		Chlorobenzene	20.000	18.253	8.7	93	0.00
8		Ethylbenzene	20.000	18.319	8.4	92	0.00
9		m,p-Xylene	40.000	37.486	6.3	94	0.00
10		o-Xylene	20.000	18.271	8.6	93	0.00
11		1,3-Dichlorobenzene	20.000	18.065	9.7	94	0.00
12		1,4-Dichlorobenzene	20.000	18.382	8.1	95	0.00
13		1,2-Dichlorobenzene	20.000	18.515	7.4	94	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.543	2.3	96	0.00
2		Di-Isopropyl ether	20.000	18.840	5.8	93	0.00
3		Benzene	20.000	19.375	3.1	95	0.00
4	S	a,a,a-TFT(S)	20.000	18.454	7.7	92	0.00
5		Toluene	20.000	19.110	4.5	95	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	18.918	5.4	94	0.00
7		Chlorobenzene	20.000	18.843	5.8	96	0.00
8		Ethylbenzene	20.000	18.912	5.4	95	0.00
9		m,p-Xylene	40.000	37.976	5.1	96	0.00
10		o-Xylene	20.000	19.143	4.3	97	0.00
11		1,3-Dichlorobenzene	20.000	19.269	3.7	97	0.00
12		1,4-Dichlorobenzene	20.000	19.081	4.6	97	0.00
13		1,2-Dichlorobenzene	20.000	18.754	6.2	95	0.00

Average % D = 6.4

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF035469.D DUAL0224.M Wed Mar 17 09:36:55 2004 EF

Continuing Calibration Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3058-CC3016
Lab FileID: EF036388.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031804\EF036388.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\031804\EF036388.D\FID2B.CH
Acq On : 18 Mar 2004 9:31 am Operator: ClaireV
Sample : CC3016-40 Inst : VOA1
Misc : gc3296,gef3058,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0224.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Feb 24 11:54:02 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	40.888	-2.2	97	0.02
2		Di-Isopropyl ether	40.000	41.333	-3.3	100	0.02
3		Benzene	40.000	41.741	-4.4	102	0.03
4	S	a,a,a-TFT(S)	20.000	20.079	-0.4	100	0.03
5		Toluene	40.000	41.626	-4.1	103	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	21.100	-5.5	105	0.03
7		Chlorobenzene	40.000	41.255	-3.1	104	0.03
8		Ethylbenzene	40.000	40.845	-2.1	104	0.03
9		m,p-Xylene	80.000	83.179	-4.0	104	0.03
10		o-Xylene	40.000	40.738	-1.8	104	0.03
11		1,3-Dichlorobenzene	40.000	41.474	-3.7	107	0.03
12		1,4-Dichlorobenzene	40.000	41.940	-4.8	106	0.02
13		1,2-Dichlorobenzene	40.000	41.269	-3.2	102	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	42.165	-5.4	101	0.01
2		Di-Isopropyl ether	40.000	41.775	-4.4	101	0.01
3		Benzene	40.000	42.180	-5.4	103	0.02
4	S	a,a,a-TFT(S)	20.000	20.293	-1.5	101	0.02
5		Toluene	40.000	42.507	-6.3	105	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	21.540	-7.7	107	0.02
7		Chlorobenzene	40.000	41.303	-3.3	106	0.02
8		Ethylbenzene	40.000	41.677	-4.2	105	0.02
9		m,p-Xylene	80.000	83.929	-4.9	106	0.02
10		o-Xylene	40.000	41.512	-3.8	106	0.02
11		1,3-Dichlorobenzene	40.000	43.776	-9.4	108	0.02
12		1,4-Dichlorobenzene	40.000	43.339	-8.3	108	0.02
13		1,2-Dichlorobenzene	40.000	41.990	-5.0	102	0.02

Average % D = 4.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF035470.D DUAL0224.M Thu Mar 18 15:36:52 2004 EF

Continuing Calibration Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3058-CC3016
Lab FileID: EF036399.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031804\EF036399.D\FID1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\031804\EF036399.D\FID2B.CH
Acq On : 18 Mar 2004 1:59 pm Operator: ClaireV
Sample : cc3016-20 Inst : VOA1
Misc : gc3296,gef3058,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0224.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Feb 24 11:54:02 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.472	-7.4	106	0.00
2		Di-Isopropyl ether	20.000	20.614	-3.1	101	0.01
3		Benzene	20.000	20.648	-3.2	103	0.02
4	S	a,a,a-TFT(S)	20.000	19.241	3.8	96	0.02
5		Toluene	20.000	20.388	-1.9	103	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.878	0.6	100	0.02
7		Chlorobenzene	20.000	20.122	-0.6	102	0.02
8		Ethylbenzene	20.000	20.446	-2.2	103	0.02
9		m,p-Xylene	40.000	41.104	-2.8	103	0.02
10		o-Xylene	20.000	19.992	0.0	102	0.02
11		1,3-Dichlorobenzene	20.000	20.365	-1.8	106	0.02
12		1,4-Dichlorobenzene	20.000	20.677	-3.4	107	0.02
13		1,2-Dichlorobenzene	20.000	20.956	-4.8	107	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.920	-4.6	103	0.00
2		Di-Isopropyl ether	20.000	20.217	-1.1	99	0.01
3		Benzene	20.000	20.532	-2.7	101	0.02
4	S	a,a,a-TFT(S)	20.000	18.913	5.4	94	0.02
5		Toluene	20.000	20.342	-1.7	101	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.615	1.9	98	0.02
7		Chlorobenzene	20.000	20.155	-0.8	102	0.02
8		Ethylbenzene	20.000	20.469	-2.3	102	0.02
9		m,p-Xylene	40.000	40.866	-2.2	103	0.02
10		o-Xylene	20.000	20.255	-1.3	103	0.02
11		1,3-Dichlorobenzene	20.000	20.877	-4.4	105	0.02
12		1,4-Dichlorobenzene	20.000	20.748	-3.7	105	0.02
13		1,2-Dichlorobenzene	20.000	20.211	-1.1	103	0.02

Average % D = 2.6

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF035469.D DUAL0224.M Thu Mar 18 15:36:23 2004 EF

Continuing Calibration Summary

Job Number: F22769
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3058-CC3016
Lab FileID: EF036407.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031804\EF036407.D\FID1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA\031804\EF036407.D\FID2B.CH
Acq On : 18 Mar 2004 5:23 pm Operator: ClaireV
Sample : cc3016-20 Inst : VOA1
Misc : gc3308,gef3058,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0224.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Feb 18 11:36:12 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.155	-5.8	104	0.00
2		Di-Isopropyl ether	20.000	20.357	-1.8	100	0.01
3		Benzene	20.000	20.134	-0.7	100	0.01
4	S	a,a,a-TFT(S)	20.000	18.783	6.1	94	0.02
5		Toluene	20.000	19.780	1.1	100	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.618	1.9	99	0.02
7		Chlorobenzene	20.000	19.567	2.2	99	0.02
8		Ethylbenzene	20.000	19.728	1.4	99	0.02
9		m,p-Xylene	40.000	39.539	1.2	99	0.02
10		o-Xylene	20.000	19.377	3.1	99	0.02
11		1,3-Dichlorobenzene	20.000	19.649	1.8	102	0.02
12		1,4-Dichlorobenzene	20.000	19.899	0.5	103	0.02
13		1,2-Dichlorobenzene	20.000	20.042	-0.2	102	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.275	-6.4	104	0.00
2		Di-Isopropyl ether	20.000	20.348	-1.7	100	0.00
3		Benzene	20.000	20.438	-2.2	100	0.01
4	S	a,a,a-TFT(S)	20.000	18.944	5.3	94	0.01
5		Toluene	20.000	20.185	-0.9	100	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.687	1.6	98	0.02
7		Chlorobenzene	20.000	19.894	0.5	101	0.02
8		Ethylbenzene	20.000	19.930	0.4	100	0.02
9		m,p-Xylene	40.000	39.515	1.2	99	0.02
10		o-Xylene	20.000	19.856	0.7	101	0.02
11		1,3-Dichlorobenzene	20.000	20.422	-2.1	103	0.02
12		1,4-Dichlorobenzene	20.000	20.267	-1.3	103	0.02
13		1,2-Dichlorobenzene	20.000	19.645	1.8	100	0.02

Average % D = 2.1

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF035469.D DUAL0224.M Fri Mar 19 09:04:16 2004 EF

June 2004 Groundwater Laboratory Report

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F24764

Sampling Dates: 06/09/04 - 06/11/04

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **96**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F24764

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F24764-1	06/10/04	13:45	BS	06/12/04	AQ	Ground Water	UST645-MW02
F24764-2	06/09/04	10:55	BS	06/12/04	AQ	Ground Water	UST645-MW15
F24764-3	06/10/04	14:40	BS	06/12/04	AQ	Ground Water	UST645-MW03
F24764-4	06/10/04	15:45	BS	06/12/04	AQ	Ground Water	UST645-MW12
F24764-5	06/09/04	10:05	BS	06/12/04	AQ	Ground Water	UST645-MW21
F24764-6	06/10/04	12:30	BS	06/12/04	AQ	Ground Water	UST645-MW01
F24764-7	06/10/04	16:20	BS	06/12/04	AQ	Ground Water	UST645-MW09
F24764-8	06/11/04	11:00	BS	06/12/04	AQ	Ground Water	UST645-MW11
F24764-9	06/11/04	08:45	BS	06/12/04	AQ	Ground Water	UST645-MW22
F24764-10	06/11/04	09:35	BS	06/12/04	AQ	Ground Water	UST645-MW23
F24764-11	06/11/04	10:20	BS	06/12/04	AQ	Ground Water	UST645-MW13
F24764-12	06/11/04	11:20	BS	06/12/04	AQ	Ground Water	UST645-MW08
F24764-13	06/10/04	00:00	BS	06/12/04	AQ	Ground Water	UST645-DUP

Sample Summary
(continued)

EEI

Job No: F24764

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F24764-14	06/11/04	00:00	BS	06/12/04	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EEI **Job No:** F24764

Site: Camp Lejeune-Bldg 645 **Report Date** 7/1/04 3:13:42 PM

13 Samples and 1 Trip Blank were collected on between 06/09/2004 and 06/11/2004 and were received at Accutest on 06/12/2004 properly preserved, at 3.6 Deg. C and intact. These Samples received an Accutest job number of F24764. 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.

Extractables by GCMS By Method EPA 625

Matrix: AQ **Batch ID:** OP10675

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F24764-8MS, F24764-8MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoverys for Chrysene, Pyrene are outside control limits. Since Matrix Spike and MSD are within control limits, method requirements are met.

Volatiles by GC By Method EPA 601/602

Matrix: AQ **Batch ID:** GEF3212

All samples were analyzed within the recommended method holding time.

Samples F24764-4MS, F24764-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F24764-6: Confirmed by GC/MS

F24764-4: All hits confirmed by dual column analysis.

F24764-9: All hits confirmed by dual column analysis.

F24764-2: All hits confirmed by dual column analysis.

F24764-6 for 1,2-Dichlorobenzene, Methyl Tert Butyl Ether: Elevated reporting limits due to matrix interference.

Matrix: AQ **Batch ID:** GEF3213

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24764-10MS, F24764-10MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** GEF3214

All samples were analyzed within the recommended method holding time.

Samples F24764-1MS, F24764-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery for 1,2-Dichlorobenzene is outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recovery for 1,2-Dichlorobenzene is outside control limits. Probable cause: due to matrix interference.

F24764-1: All hits confirmed by dual column analysis.

F24764-13: All hits confirmed by dual column analysis.

F24764-14: All hits confirmed by dual column analysis.

F24764-3: All hits confirmed by dual column analysis.

F24764-1 for Methyl Tert Butyl Ether, 1,2-Dichlorobenzene: Elevated reporting limits due to matrix interference.

F24764-13 for 1,2-Dichlorobenzene: Elevated reporting limits due to matrix interference.

F24764-3 for 1,2-Dichlorobenzene: Elevated reporting limits 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: July 1, 2004

Ellen Pampel, Inorganic QA (signature on file)

Thursday, July 01, 2004

Report of Analysis

Client Sample ID: UST645-MW02
Lab Sample ID: F24764-1
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/10/04
Date Received: 06/12/04
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020320.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	37.9	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	58.6	5.1	1.0	ug/l	
91-20-3	Naphthalene	46.8	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	91%		49-119%
321-60-8	2-Fluorobiphenyl	88%		45-118%
1718-51-0	Terphenyl-d14	105%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F24764-1	**Date Sampled:**	06/10/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040524.D	5	06/24/04	CV	n/a	n/a	GEF3214
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.9	5.0	2.5	ug/l	J
108-90-7	Chlorobenzene	ND	5.0	2.5	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	20	20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
100-41-4	Ethylbenzene	81.1	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether [b]	ND	20	20	ug/l	
108-88-3	Toluene	17.3	5.0	2.5	ug/l	
1330-20-7	Xylenes (total)	452	15	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	98%		70-123%
98-08-8	aaa-Trifluorotoluene	105%		73-122%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F24764-2	**Date Sampled:**	06/09/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020321.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		49-119%
321-60-8	2-Fluorobiphenyl	73%		45-118%
1718-51-0	Terphenyl-d14	92%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F24764-2	**Date Sampled:**	06/09/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040458.D	1	06/23/04	CV	n/a	n/a	GEF3212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	50.1	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	92%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F24764-3	**Date Sampled:**	06/10/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020322.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	11.2	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	14.4	5.0	1.0	ug/l	
91-20-3	Naphthalene	23.5	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		49-119%
321-60-8	2-Fluorobiphenyl	87%		45-118%
1718-51-0	Terphenyl-d14	101%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F24764-3	**Date Sampled:**	06/10/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040511.D	1	06/24/04	CV	n/a	n/a	GEF3214
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.63	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	30	30	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	18.5	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.90	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	20.4	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
98-08-8	aaa-Trifluorotoluene	98%		73-122%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID: UST645-MW12
Lab Sample ID: F24764-4
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/10/04
Date Received: 06/12/04
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020323.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	7.0	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	7.5	5.0	1.0	ug/l	
91-20-3	Naphthalene	24.0	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		49-119%
321-60-8	2-Fluorobiphenyl	83%		45-118%
1718-51-0	Terphenyl-d14	100%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F24764-4	**Date Sampled:**	06/10/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040472.D	1	06/23/04	CV	n/a	n/a	GEF3212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.7	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	32.2	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.8	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	116	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	96%		70-123%
98-08-8	aaa-Trifluorotoluene	100%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: UST645-MW21
Lab Sample ID: F24764-5
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/09/04
Date Received: 06/12/04
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020324.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		49-119%
321-60-8	2-Fluorobiphenyl	89%		45-118%
1718-51-0	Terphenyl-d14	107%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F24764-5	**Date Sampled:**	06/09/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040459.D	1	06/23/04	CV	n/a	n/a	GEF3212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	98%		73-122%

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

Report of Analysis

Client Sample ID: UST645-MW01
Lab Sample ID: F24764-6
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/10/04
Date Received: 06/12/04
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020325.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	10	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	10.5	5.0	1.0	ug/l	
91-20-3	Naphthalene	9.4	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		49-119%
321-60-8	2-Fluorobiphenyl	91%		45-118%
1718-51-0	Terphenyl-d14	110%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F24764-6	**Date Sampled:**	06/10/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040476.D	1	06/23/04	CV	n/a	n/a	GEF3212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.50	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	30	30	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	20.3	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether [b]	ND	5.0	5.0	ug/l	
108-88-3	Toluene	7.8	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	46.0	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	93%		70-123%
98-08-8	aaa-Trifluorotoluene	98%		73-122%

(a) Confirmed by GC/MS
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F24764-7	**Date Sampled:**	06/10/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020326.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	93%		49-119%
321-60-8	2-Fluorobiphenyl	89%		45-118%
1718-51-0	Terphenyl-d14	107%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F24764-7	**Date Sampled:**	06/10/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040477.D	1	06/23/04	CV	n/a	n/a	GEF3212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	85%		70-123%
98-08-8	aaa-Trifluorotoluene	92%		73-122%

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

Report of Analysis

Client Sample ID: UST645-MW11
Lab Sample ID: F24764-8
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/11/04
Date Received: 06/12/04
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020327.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		49-119%
321-60-8	2-Fluorobiphenyl	88%		45-118%
1718-51-0	Terphenyl-d14	105%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW11		
Lab Sample ID:	F24764-8	**Date Sampled:**	06/11/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040478.D	1	06/23/04	CV	n/a	n/a	GEF3212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	84%		70-123%
98-08-8	aaa-Trifluorotoluene	92%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F24764-9	**Date Sampled:**	06/11/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020330.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.4	1.1	ug/l	
208-96-8	Acenaphthylene	ND	5.4	1.1	ug/l	
120-12-7	Anthracene	ND	5.4	1.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.4	1.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.4	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.4	1.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.4	2.2	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.4	1.1	ug/l	
218-01-9	Chrysene	ND	5.4	1.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.4	2.2	ug/l	
206-44-0	Fluoranthene	ND	5.4	1.1	ug/l	
86-73-7	Fluorene	ND	5.4	1.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.4	2.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.4	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.4	1.1	ug/l	
91-20-3	Naphthalene	ND	5.4	1.1	ug/l	
85-01-8	Phenanthrene	ND	5.4	1.1	ug/l	
129-00-0	Pyrene	ND	5.4	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	93%		49-119%
321-60-8	2-Fluorobiphenyl	89%		45-118%
1718-51-0	Terphenyl-d14	109%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F24764-9	**Date Sampled:**	06/11/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040479.D	1	06/23/04	CV	n/a	n/a	GEF3212
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.82	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.69	1.0	0.50	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	24.4	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	86%		70-123%
98-08-8	aaa-Trifluorotoluene	94%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F24764-10	**Date Sampled:**	06/11/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020331.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	95%		49-119%
321-60-8	2-Fluorobiphenyl	94%		45-118%
1718-51-0	Terphenyl-d14	109%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F24764-10	**Date Sampled:**	06/11/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040482.D	1	06/23/04	CV	n/a	n/a	GEF3213
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	85%		70-123%
98-08-8	aaa-Trifluorotoluene	93%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW13		
Lab Sample ID:	F24764-11	**Date Sampled:**	06/11/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020332.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		49-119%
321-60-8	2-Fluorobiphenyl	85%		45-118%
1718-51-0	Terphenyl-d14	100%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW13		
Lab Sample ID:	F24764-11	**Date Sampled:**	06/11/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040485.D	1	06/23/04	CV	n/a	n/a	GEF3213
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	87%		70-123%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW08		
Lab Sample ID:	F24764-12	**Date Sampled:**	06/11/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020333.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		49-119%
321-60-8	2-Fluorobiphenyl	89%		45-118%
1718-51-0	Terphenyl-d14	103%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW08		
Lab Sample ID:	F24764-12	**Date Sampled:**	06/11/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040487.D	1	06/23/04	CV	n/a	n/a	GEF3213
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	87%		70-123%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

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

Report of Analysis

Client Sample ID: UST645-DUP
Lab Sample ID: F24764-13
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/10/04
Date Received: 06/12/04
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W020334.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	7.7	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	8.4	5.1	1.0	ug/l	
91-20-3	Naphthalene	26.8	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		49-119%
321-60-8	2-Fluorobiphenyl	85%		45-118%
1718-51-0	Terphenyl-d14	101%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F24764-13	**Date Sampled:**	06/10/04
Matrix:	AQ - Ground Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040509.D	1	06/24/04	CV	n/a	n/a	GEF3214
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.0	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	20	20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	29.7	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	2.0	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	106	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F24764-14	**Date Sampled:**	06/11/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/12/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040510.D	1	06/24/04	CV	n/a	n/a	GEF3214
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.7	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	93%		70-123%
98-08-8	aaa-Trifluorotoluene	98%		73-122%

(a) All hits confirmed by dual column analysis.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24764
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Engineering + Environment Inc
ADDRESS: 824 Gumbranch rd Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO:
PHONE #: 910-989-3214

FACILITY INFORMATION

PROJECT NAME: BLD. 645
LOCATION: Camp Lejeune NC.
PROJECT NO.:
FAX #: 910-989-3341

ANALYTICAL INFORMATION

VOC 602
625

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION H2SO4	PRESERVATION NONE	VOC 602	625
1	UST645-MW02	6-10-04	13:45	BS	GW	5	X			X	3	2
2	UST645-MW15	6-9-04	10:55	BS	GW	5	X			X	3	2
3	UST645-MW03	6-10-04	14:40	BS	GW	5	X			X	3	2
4	UST645-MW12	6-10-04	15:45	BS	GW	5	X			X	3	2
5	UST645-MW21	6-9-04	10:05	BS	GW	5	X			X	3	2
6	UST645-MW01	6-10-04	12:30	BS	GW	5	X			X	3	2
7	UST645-MW09	6-10-04	16:20	BS	GW	5	X			X	3	2
8	UST645-MW11	6-11-04	11:00	BS	GW	5	X			X	3	2
9	UST645-MW22	6-11-04	8:45	BS	GW	5	X			X	3	2
10	UST645-MW23	6-11-04	9:35	BS	GW	5	X			X	3	2
11	UST645-MW13	6-11-04	10:20	BS	GW	5	X			X	3	2

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [x] OTHER (SPECIFY) Nccsa 4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Bob Tolbert	6-11-04 1430	1. FedEx	2.	6/12/04 1040	2. Nuna Mohammed
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐	TEMPERATURE ____ C
5.		5.				

F24764: Chain of Custody
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CHAIN OF CUSTODY

ACCUTEST

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F24764
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Engineering + Environment Inc.
ADDRESS: 824 Gumbranch rd. Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO:
PHONE #: 910-989-3214

FACILITY INFORMATION

PROJECT NAME: Bld. 645
LOCATION: Camp Lejeune NC
PROJECT NO.:
FAX #: 910-989-3241

ANALYTICAL INFORMATION

VOC 602
625

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	VOC 602	625	LAB USE ONLY
(11)	45T645-MW08	6-11-09	11:20	BS	GW	5	X				X	3	2	
(12)	45T645-DUP	6-10-09	—	BS	GW	5	X				X	3	2	
(14)	Trip Blank	6-11-09	13:30											

DATA TURNAROUND INFORMATION

☑ STANDARD
☐ 48 HOUR RUSH
☐ 24 HOUR EMERGENCY
☐ OTHER
APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☑ OTHER (SPECIFY) Nccsa 4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.		1. Fed EX	2.	6/12/09 0920	Mura Mohammed
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐	TEMPERATURE ____ C
5.		5.				

4.1 4

F24764: Chain of Custody
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ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F24764

Client: ENGINEERING ENVIRO Project: BID 695

Date Received: 6/12/04 Time Received: 09:00

# of Coolers Received: 3 Cooler Temperatures: 3.2 3.2 3.6

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

Air Bill Number: _____

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

Summary of Comments: _____

Signature: _____ Date: 6/12/04

Review Signature: _____

ASBD 12/30/03

F24764: Chain of Custody
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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10675-MB	W020317.D	1	06/15/04	ME	06/14/04	OP10675	SW1067

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

F24764-1, F24764-2, F24764-3, F24764-4, F24764-5, F24764-6, F24764-7, F24764-8, F24764-9, F24764-10, F24764-11, F24764-12, F24764-13

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

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	63%	19-90%
4165-62-2	Phenol-d5	41%	10-68%
118-79-6	2,4,6-Tribromophenol	91%	36-137%
4165-60-0	Nitrobenzene-d5	92%	49-119%
321-60-8	2-Fluorobiphenyl	87%	45-118%
1718-51-0	Terphenyl-d14	108%	46-135%

Method Blank Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10675-MB	W020343.D	1	06/16/04	ME	06/14/04	OP10675	SW1068

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

F24764-1, F24764-2, F24764-3, F24764-4, F24764-5, F24764-6, F24764-7, F24764-8, F24764-9, F24764-10, F24764-11, F24764-12, F24764-13

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

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	62%	19-90%
4165-62-2	Phenol-d5	40%	10-68%
118-79-6	2,4,6-Tribromophenol	90%	36-137%
4165-60-0	Nitrobenzene-d5	91%	49-119%
321-60-8	2-Fluorobiphenyl	89%	45-118%
1718-51-0	Terphenyl-d14	106%	46-135%

Method Blank Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10675-MB	W020375.D	1	06/17/04	ME	06/14/04	OP10675	SW1070

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

F24764-1, F24764-2, F24764-3, F24764-4, F24764-5, F24764-6, F24764-7, F24764-8, F24764-9, F24764-10, F24764-11, F24764-12, F24764-13

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

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	63%	19-90%
4165-62-2	Phenol-d5	41%	10-68%
118-79-6	2,4,6-Tribromophenol	90%	36-137%
4165-60-0	Nitrobenzene-d5	92%	49-119%
321-60-8	2-Fluorobiphenyl	90%	45-118%
1718-51-0	Terphenyl-d14	109%	46-135%

Blank Spike Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10675-BS	W020316.D	1	06/15/04	ME	06/14/04	OP10675	SW1067

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

F24764-1, F24764-2, F24764-3, F24764-4, F24764-5, F24764-6, F24764-7, F24764-8, F24764-9, F24764-10, F24764-11, F24764-12, F24764-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	50.1	100	69-101
208-96-8	Acenaphthylene	50	47.6	95	75-113
120-12-7	Anthracene	50	51.1	102	75-107
56-55-3	Benzo(a)anthracene	50	51.3	103	73-106
50-32-8	Benzo(a)pyrene	50	54.7	109	75-114
205-99-2	Benzo(b)fluoranthene	50	53.1	106	73-110
191-24-2	Benzo(g,h,i)perylene	50	49.4	99	63-115
207-08-9	Benzo(k)fluoranthene	50	56.1	112	73-112
218-01-9	Chrysene	50	53.4	107*	73-103
53-70-3	Dibenzo(a,h)anthracene	50	50.6	101	63-115
206-44-0	Fluoranthene	50	47.2	94	73-111
86-73-7	Fluorene	50	52.3	105	70-105
193-39-5	Indeno(1,2,3-cd)pyrene	50	49.2	98	63-118
90-12-0	1-Methylnaphthalene	50	45.7	91	63-99
91-57-6	2-Methylnaphthalene	50	45.4	91	66-100
91-20-3	Naphthalene	50	45.1	90	67-101
85-01-8	Phenanthrene	50	51.7	103	73-104
129-00-0	Pyrene	50	56.4	113*	69-105

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	69%	19-90%
4165-62-2	Phenol-d5	45%	10-68%
118-79-6	2,4,6-Tribromophenol	100%	36-137%
4165-60-0	Nitrobenzene-d5	96%	49-119%
321-60-8	2-Fluorobiphenyl	94%	45-118%
1718-51-0	Terphenyl-d14	104%	46-135%

Blank Spike Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10675-BS	W020374.D	1	06/17/04	ME	06/14/04	OP10675	SW1070

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

F24764-1, F24764-2, F24764-3, F24764-4, F24764-5, F24764-6, F24764-7, F24764-8, F24764-9, F24764-10, F24764-11, F24764-12, F24764-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	49.9	100	69-101
208-96-8	Acenaphthylene	50	46.9	94	75-113
120-12-7	Anthracene	50	49.4	99	75-107
56-55-3	Benzo(a)anthracene	50	52.1	104	73-106
50-32-8	Benzo(a)pyrene	50	52.9	106	75-114
205-99-2	Benzo(b)fluoranthene	50	52.7	105	73-110
191-24-2	Benzo(g,h,i)perylene	50	49.4	99	63-115
207-08-9	Benzo(k)fluoranthene	50	56.7	113*	73-112
218-01-9	Chrysene	50	53.2	106*	73-103
53-70-3	Dibenzo(a,h)anthracene	50	48.9	98	63-115
206-44-0	Fluoranthene	50	46.5	93	73-111
86-73-7	Fluorene	50	51.4	103	70-105
193-39-5	Indeno(1,2,3-cd)pyrene	50	49.4	99	63-118
90-12-0	1-Methylnaphthalene	50	45.2	90	63-99
91-57-6	2-Methylnaphthalene	50	44.1	88	66-100
91-20-3	Naphthalene	50	44.2	88	67-101
85-01-8	Phenanthrene	50	51.5	103	73-104
129-00-0	Pyrene	50	57.2	114*	69-105

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	68%	19-90%
4165-62-2	Phenol-d5	45%	10-68%
118-79-6	2,4,6-Tribromophenol	98%	36-137%
4165-60-0	Nitrobenzene-d5	94%	49-119%
321-60-8	2-Fluorobiphenyl	92%	45-118%
1718-51-0	Terphenyl-d14	106%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10675-MS	W020328.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
OP10675-MSD	W020329.D	1	06/16/04	ME	06/14/04	OP10675	SW1067
F24764-8	W020327.D	1	06/16/04	ME	06/14/04	OP10675	SW1067

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

F24764-1, F24764-2, F24764-3, F24764-4, F24764-5, F24764-6, F24764-7, F24764-8, F24764-9, F24764-10, F24764-11, F24764-12, F24764-13

CAS No.	Compound	F24764-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		100	91.7	92	93.5	94	2	60-103/20
208-96-8	Acenaphthylene	ND		100	86.1	86	86.4	86	0	67-113/20
120-12-7	Anthracene	ND		100	91.1	91	94.8	95	4	71-105/14
56-55-3	Benzo(a)anthracene	ND		100	92.3	92	93.6	94	1	70-103/16
50-32-8	Benzo(a)pyrene	ND		100	98.1	98	99.9	100	2	70-113/16
205-99-2	Benzo(b)fluoranthene	ND		100	99.7	100	103	103	3	67-110/17
191-24-2	Benzo(g,h,i)perylene	ND		100	92.2	92	93.4	93	1	63-111/17
207-08-9	Benzo(k)fluoranthene	ND		100	102	102	104	104	2	68-110/17
218-01-9	Chrysene	ND		100	96.8	97	97.8	98	1	70-100/18
53-70-3	Dibenzo(a,h)anthracene	ND		100	90.0	90	93.0	93	3	62-111/20
206-44-0	Fluoranthene	ND		100	85.4	85	89.4	89	5	67-108/17
86-73-7	Fluorene	ND		100	94.1	94	97.6	98	4	65-105/17
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	87.1	87	90.3	90	4	66-111/19
90-12-0	1-Methylnaphthalene	ND		100	89.1	89	87.1	87	2	55-97/23
91-57-6	2-Methylnaphthalene	ND		100	87.3	87	86.3	86	1	56-100/23
91-20-3	Naphthalene	ND		100	87.1	87	87.1	87	0	52-102/23
85-01-8	Phenanthrene	ND		100	94.7	95	98.1	98	4	69-103/15
129-00-0	Pyrene	ND		100	102	102	102	102	0	64-107/21

CAS No.	Surrogate Recoveries	MS	MSD	F24764-8	Limits
367-12-4	2-Fluorophenol	72%	75%		19-90%
4165-62-2	Phenol-d5	55%	58%		10-68%
118-79-6	2,4,6-Tribromophenol	89%	95%		36-137%
4165-60-0	Nitrobenzene-d5	85%	85%	90%	49-119%
321-60-8	2-Fluorobiphenyl	82%	84%	88%	45-118%
1718-51-0	Terphenyl-d14	95%	94%	105%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1064-DFTPP
Lab File ID: W020219.D
Instrument ID: GCMSW
Injection Date: 06/09/04
Injection Time: 14:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	36693	47.8		Pass
68	Less than 2.0% of mass 69	200	0.26	(0.63) [a]	Pass
69	Mass 69 relative abundance	31819	41.4		Pass
70	Less than 2.0% of mass 69	131	0.17	(0.41) [a]	Pass
127	40.0 - 60.0% of mass 198	41779	54.4		Pass
197	Less than 1.0% of mass 198	469	0.61		Pass
198	Base peak, 100% relative abundance	76779	100.0		Pass
199	5.0 - 9.0% of mass 198	5155	6.7		Pass
275	10.0 - 30.0% of mass 198	14061	18.3		Pass
365	1.0 - 100.0% of mass 198	1519	2.0		Pass
441	Present, but less than mass 443	7332	9.5	(83.1) [b]	Pass
442	40.0 - 100.0% of mass 198	46107	60.1		Pass
443	17.0 - 23.0% of mass 442	8819	11.5	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1064-IC1064	W020220.D	06/09/04	14:30	00:19	Initial cal 5
SW1064-IC1064	W020221.D	06/09/04	15:01	00:50	Initial cal 25
SW1064-IC1064	W020222.D	06/09/04	15:32	01:21	Initial cal 50
SW1064-ICC1064	W020223.D	06/09/04	16:03	01:52	Initial cal 75
SW1064-IC1064	W020224.D	06/09/04	16:34	02:23	Initial cal 100
SW1064-IC1064	W020225.D	06/09/04	17:04	02:53	Initial cal 125
SW1064-ICV1064	W020226.D	06/09/04	17:35	03:24	Initial cal verification 50
OP10581-BS	W020227.D	06/09/04	18:06	03:55	Blank Spike
OP10581-MB	W020228.D	06/09/04	18:37	04:26	Method Blank
ZZZZZZ	W020229.D	06/09/04	19:07	04:56	(unrelated sample)
ZZZZZZ	W020230.D	06/09/04	19:37	05:26	(unrelated sample)
ZZZZZZ	W020231.D	06/09/04	20:08	05:57	(unrelated sample)
ZZZZZZ	W020232.D	06/09/04	20:38	06:27	(unrelated sample)
ZZZZZZ	W020233.D	06/09/04	21:08	06:57	(unrelated sample)
ZZZZZZ	W020234.D	06/09/04	21:38	07:27	(unrelated sample)
ZZZZZZ	W020235.D	06/09/04	22:08	07:57	(unrelated sample)
ZZZZZZ	W020236.D	06/09/04	22:37	08:26	(unrelated sample)
F24290-4	W020237.D	06/09/04	23:07	08:56	(used for QC only; not part of job F24764)
OP10581-MS	W020238.D	06/09/04	23:37	09:26	Matrix Spike

Instrument Performance Check (DFTPP)

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SW1064-DFTPP	**Injection Date:**	06/09/04
Lab File ID:	W020219.D	**Injection Time:**	14:11
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP10581-MSD	W020239.D	06/10/04	00:06	09:55	Matrix Spike Duplicate
ZZZZZZ	W020240.D	06/10/04	00:36	10:25	(unrelated sample)
ZZZZZZ	W020241.D	06/10/04	01:05	10:54	(unrelated sample)
ZZZZZZ	W020242.D	06/10/04	01:35	11:24	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1067-DFTPP
Lab File ID: W020288.D
Instrument ID: GCMSW
Injection Date: 06/15/04
Injection Time: 08:19

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	38731	51.4		Pass
68	Less than 2.0% of mass 69	129	0.17	(0.39) [a]	Pass
69	Mass 69 relative abundance	33229	44.1		Pass
70	Less than 2.0% of mass 69	97	0.13	(0.29) [a]	Pass
127	40.0 - 60.0% of mass 198	40733	54.1		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	75341	100.0		Pass
199	5.0 - 9.0% of mass 198	5106	6.8		Pass
275	10.0 - 30.0% of mass 198	12978	17.2		Pass
365	1.0 - 100.0% of mass 198	1322	1.8		Pass
441	Present, but less than mass 443	5538	7.4	(74.2) [b]	Pass
442	40.0 - 100.0% of mass 198	38854	51.6		Pass
443	17.0 - 23.0% of mass 442	7467	9.9	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1067-CC1064	W020289.D	06/15/04	08:38	00:19	Continuing cal 50
OP10656-MB	W020290.D	06/15/04	09:07	00:48	Method Blank
ZZZZZZ	W020291.D	06/15/04	09:37	01:18	(unrelated sample)
ZZZZZZ	W020292.D	06/15/04	10:06	01:47	(unrelated sample)
ZZZZZZ	W020293.D	06/15/04	10:36	02:17	(unrelated sample)
OP10648-MB	W020294.D	06/15/04	11:06	02:47	Method Blank
ZZZZZZ	W020295.D	06/15/04	11:35	03:16	(unrelated sample)
OP10654-BS	W020296.D	06/15/04	12:05	03:46	Blank Spike
OP10654-MB	W020297.D	06/15/04	12:35	04:16	Method Blank
ZZZZZZ	W020298.D	06/15/04	13:05	04:46	(unrelated sample)
ZZZZZZ	W020299.D	06/15/04	13:36	05:17	(unrelated sample)
ZZZZZZ	W020300.D	06/15/04	14:06	05:47	(unrelated sample)
F24596-4	W020301.D	06/15/04	14:36	06:17	(used for QC only; not part of job F24764)
OP10654-MS	W020302.D	06/15/04	15:07	06:48	Matrix Spike
OP10654-MSD	W020303.D	06/15/04	15:37	07:18	Matrix Spike Duplicate
ZZZZZZ	W020304.D	06/15/04	16:08	07:49	(unrelated sample)
ZZZZZZ	W020305.D	06/15/04	16:38	08:19	(unrelated sample)
ZZZZZZ	W020306.D	06/15/04	17:07	08:48	(unrelated sample)
ZZZZZZ	W020307.D	06/15/04	17:37	09:18	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SW1067-DFTPP	**Injection Date:**	06/15/04
Lab File ID:	W020288.D	**Injection Time:**	08:19
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W020308.D	06/15/04	18:07	09:48	(unrelated sample)
ZZZZZZ	W020309.D	06/15/04	18:37	10:18	(unrelated sample)
ZZZZZZ	W020310.D	06/15/04	19:07	10:48	(unrelated sample)
ZZZZZZ	W020311.D	06/15/04	19:37	11:18	(unrelated sample)
ZZZZZZ	W020312.D	06/15/04	20:06	11:47	(unrelated sample)
OP10675-BS	W020316.D	06/15/04	22:05	13:46	Blank Spike
OP10675-MB	W020317.D	06/15/04	22:35	14:16	Method Blank
ZZZZZZ	W020318.D	06/15/04	23:05	14:46	(unrelated sample)
ZZZZZZ	W020319.D	06/15/04	23:34	15:15	(unrelated sample)
F24764-1	W020320.D	06/16/04	00:04	15:45	UST645-MW02
F24764-2	W020321.D	06/16/04	00:33	16:14	UST645-MW15
F24764-3	W020322.D	06/16/04	01:03	16:44	UST645-MW03
F24764-4	W020323.D	06/16/04	01:32	17:13	UST645-MW12
F24764-5	W020324.D	06/16/04	02:02	17:43	UST645-MW21
F24764-6	W020325.D	06/16/04	02:31	18:12	UST645-MW01
F24764-7	W020326.D	06/16/04	03:00	18:41	UST645-MW09
F24764-8	W020327.D	06/16/04	03:30	19:11	UST645-MW11
OP10675-MS	W020328.D	06/16/04	03:59	19:40	Matrix Spike
OP10675-MSD	W020329.D	06/16/04	04:28	20:09	Matrix Spike Duplicate
F24764-9	W020330.D	06/16/04	04:57	20:38	UST645-MW22
F24764-10	W020331.D	06/16/04	05:27	21:08	UST645-MW23
F24764-11	W020332.D	06/16/04	05:56	21:37	UST645-MW13
F24764-12	W020333.D	06/16/04	06:25	22:06	UST645-MW08
F24764-13	W020334.D	06/16/04	06:55	22:36	UST645-DUP

Instrument Performance Check (DFTPP)

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1068-DFTPP
Lab File ID: W020335.D
Instrument ID: GCMSW
Injection Date: 06/16/04
Injection Time: 10:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	50104	52.0		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	42720	44.3		Pass
70	Less than 2.0% of mass 69	188	0.2	(0.44) [a]	Pass
127	40.0 - 60.0% of mass 198	52691	54.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	96339	100.0		Pass
199	5.0 - 9.0% of mass 198	6530	6.8		Pass
275	10.0 - 30.0% of mass 198	17269	17.9		Pass
365	1.0 - 100.0% of mass 198	1659	1.7		Pass
441	Present, but less than mass 443	7653	7.9	(81.8) [b]	Pass
442	40.0 - 100.0% of mass 198	48960	50.8		Pass
443	17.0 - 23.0% of mass 442	9360	9.7	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1068-CC1064	W020336.D	06/16/04	11:04	00:19	Continuing cal 75
OP10654-MB	W020337.D	06/16/04	11:33	00:48	Method Blank
ZZZZZZ	W020338.D	06/16/04	12:03	01:18	(unrelated sample)
ZZZZZZ	W020339.D	06/16/04	12:33	01:48	(unrelated sample)
ZZZZZZ	W020340.D	06/16/04	13:03	02:18	(unrelated sample)
OP10675-MB	W020343.D	06/16/04	14:33	03:48	Method Blank
OP10678-BS	W020345.D	06/16/04	15:33	04:48	Blank Spike
OP10678-MB	W020346.D	06/16/04	16:03	05:18	Method Blank
ZZZZZZ	W020347.D	06/16/04	16:34	05:49	(unrelated sample)
ZZZZZZ	W020349.D	06/16/04	17:35	06:50	(unrelated sample)
ZZZZZZ	W020350.D	06/16/04	18:05	07:20	(unrelated sample)
ZZZZZZ	W020351.D	06/16/04	18:35	07:50	(unrelated sample)
ZZZZZZ	W020352.D	06/16/04	19:04	08:19	(unrelated sample)
ZZZZZZ	W020353.D	06/16/04	19:34	08:49	(unrelated sample)
ZZZZZZ	W020354.D	06/16/04	20:04	09:19	(unrelated sample)
ZZZZZZ	W020355.D	06/16/04	20:34	09:49	(unrelated sample)
F24683-3	W020356.D	06/16/04	21:03	10:18	(used for QC only; not part of job F24764)
OP10678-MS	W020357.D	06/16/04	21:32	10:47	Matrix Spike
OP10678-MSD	W020358.D	06/16/04	22:02	11:17	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1070-DFTPP
Lab File ID: W020370.D
Instrument ID: GCMSW
Injection Date: 06/17/04
Injection Time: 09:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	47373	50.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	39779	42.4		Pass
70	Less than 2.0% of mass 69	306	0.33	(0.77) [a]	Pass
127	40.0 - 60.0% of mass 198	50363	53.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	93872	100.0		Pass
199	5.0 - 9.0% of mass 198	6400	6.8		Pass
275	10.0 - 30.0% of mass 198	16227	17.3		Pass
365	1.0 - 100.0% of mass 198	1476	1.6		Pass
441	Present, but less than mass 443	6972	7.4	(76.6) [b]	Pass
442	40.0 - 100.0% of mass 198	45996	49.0		Pass
443	17.0 - 23.0% of mass 442	9100	9.7	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1070-CC1064	W020371.D	06/17/04	10:13	00:18	Continuing cal 50
OP10675-BS	W020374.D	06/17/04	11:42	01:47	Blank Spike
OP10675-MB	W020375.D	06/17/04	12:12	02:17	Method Blank
ZZZZZZ	W020376.D	06/17/04	12:42	02:47	(unrelated sample)
ZZZZZZ	W020377.D	06/17/04	13:12	03:17	(unrelated sample)
ZZZZZZ	W020378.D	06/17/04	13:42	03:47	(unrelated sample)
OP10678-MB	W020379.D	06/17/04	14:13	04:18	Method Blank
ZZZZZZ	W020380.D	06/17/04	14:43	04:48	(unrelated sample)
ZZZZZZ	W020382.D	06/17/04	15:44	05:49	(unrelated sample)
ZZZZZZ	W020383.D	06/17/04	16:15	06:20	(unrelated sample)
OP10707-BS	W020384.D	06/17/04	16:46	06:51	Blank Spike
OP10707-MB	W020385.D	06/17/04	17:16	07:21	Method Blank
ZZZZZZ	W020386.D	06/17/04	17:46	07:51	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SW1067-CC1064 **Injection Date:** 06/15/04
Lab File ID: W020289.D **Injection Time:** 08:38
Instrument ID: GCMSW **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	144808	5.25	561557	6.48	228907	8.85	319568	11.31	186829	16.24	95433	18.74
Upper Limit [a]	289616	5.75	1123114	6.98	457814	9.35	639136	11.81	373658	16.74	190866	19.24
Lower Limit [b]	72404	4.75	280779	5.98	114454	8.35	159784	10.81	93415	15.74	47717	18.24

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP10656-MB	171577	5.25	666216	6.48	278115	8.84	405825	11.31	237915	16.23	115403	18.74
ZZZZZZ	172625	5.26	673156	6.48	271918	8.84	393559	11.31	228145	16.23	111406	18.74
ZZZZZZ	177168	5.26	680944	6.48	279064	8.84	402565	11.31	228627	16.23	109583	18.74
ZZZZZZ	163014	5.25	623122	6.48	254074	8.84	363633	11.31	202449	16.23	102659	18.74
OP10648-MB	162377	5.25	622184	6.48	257446	8.83	381793	11.31	227987	16.23	116435	18.74
ZZZZZZ	153180	5.25	591172	6.48	243211	8.84	354519	11.30	215398	16.23	107817	18.74
OP10654-BS	153617	5.25	603912	6.49	246519	8.84	364035	11.31	212843	16.24	105138	18.74
OP10654-MB	189017	5.25	737564	6.48	304564	8.84	441731	11.31	260767	16.23	125590	18.74
ZZZZZZ	171465	5.25	677337	6.48	282441	8.83	412907	11.31	240298	16.23	120271	18.74
ZZZZZZ	175594	5.25	689776	6.48	286913	8.83	431012	11.31	260799	16.23	130019	18.74
ZZZZZZ	181371	5.25	711106	6.48	292313	8.84	436238	11.31	255142	16.23	122610	18.74
F24596-4	181946	5.25	686659	6.48	279078	8.84	409181	11.31	247326	16.23	121307	18.74
OP10654-MS	155089	5.25	614605	6.48	252383	8.84	357701	11.31	209334	16.23	107377	18.74
OP10654-MSD	154437	5.25	602773	6.49	248663	8.84	359632	11.31	209727	16.24	106907	18.74
ZZZZZZ	164362	5.25	637266	6.48	263995	8.84	390094	11.31	235050	16.23	116030	18.74
ZZZZZZ	173194	5.25	647333	6.48	257801	8.84	370609	11.32	220424	16.24	115729	18.74
ZZZZZZ	172619	5.25	664057	6.48	280493	8.83	404287	11.31	241664	16.23	118281	18.74
ZZZZZZ	163364	5.25	630913	6.48	262908	8.83	390586	11.31	236726	16.23	116773	18.74
ZZZZZZ	183832	5.25	715914	6.48	294881	8.84	436122	11.31	260283	16.23	128936	18.74
ZZZZZZ	145846	5.25	557776	6.48	225356	8.83	334866	11.31	196878	16.23	96350	18.74
ZZZZZZ	156220	5.25	603455	6.48	249451	8.84	362784	11.30	212220	16.23	101400	18.74
ZZZZZZ	134137	5.25	512954	6.48	213899	8.84	305148	11.31	162200	16.23	80030	18.74
ZZZZZZ	155990	5.25	589960	6.48	242030	8.84	358538	11.31	209716	16.23	103693	18.74
OP10675-BS	140963	5.25	546980	6.49	222390	8.84	322008	11.31	186997	16.23	94552	18.74
OP10675-MB	139465	5.25	543014	6.48	226359	8.83	324925	11.31	183061	16.23	90595	18.74
ZZZZZZ	140150	5.25	538021	6.48	220363	8.83	317393	11.30	182840	16.23	89773	18.73
ZZZZZZ	152952	5.25	594105	6.53	225812	8.84	320094	11.31	176928	16.23	93620	18.74
F24764-1	147221	5.26	551490	6.48	236597	8.84	335976	11.31	202918	16.23	96745	18.74
F24764-2	153335	5.25	595343	6.48	254621	8.84	369204	11.31	211984	16.23	101966	18.73
F24764-3	145862	5.25	556000	6.49	229613	8.84	333518	11.30	193518	16.23	96495	18.74
F24764-4	150958	5.25	577070	6.48	239231	8.84	346583	11.31	195857	16.23	95513	18.74
F24764-5	143517	5.25	563043	6.48	228932	8.84	336237	11.30	192046	16.23	93296	18.74
F24764-6	164442	5.25	635926	6.48	258135	8.84	374289	11.31	208677	16.23	103813	18.74
F24764-7	151465	5.25	603148	6.48	250829	8.84	358785	11.30	203201	16.23	96525	18.74
F24764-8	158328	5.25	615204	6.48	253326	8.84	357767	11.30	202718	16.23	98458	18.74

Semivolatile Internal Standard Area Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SW1067-CC1064 **Injection Date:** 06/15/04
Lab File ID: W020289.D **Injection Time:** 08:38
Instrument ID: GCMSW **Method:** EPA 625

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP10675-MS	149732	5.25	575430	6.49	236136	8.84	343681	11.31	199569	16.24	96608	18.74
OP10675-MSD	141377	5.25	553785	6.49	228775	8.84	325100	11.31	196514	16.24	95517	18.74
F24764-9	145410	5.25	574139	6.48	238212	8.84	339677	11.30	195710	16.23	94077	18.74
F24764-10	157792	5.25	612404	6.48	251758	8.84	368430	11.30	206711	16.23	98486	18.74
F24764-11	148804	5.25	580376	6.48	239880	8.83	353399	11.31	202493	16.23	95083	18.74
F24764-12	146667	5.25	583605	6.48	238322	8.84	348873	11.30	204754	16.23	97619	18.74
F24764-13	153018	5.25	585753	6.48	240415	8.83	343454	11.31	196874	16.23	98696	18.74

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SW1068-CC1064 **Injection Date:** 06/16/04
Lab File ID: W020336.D **Injection Time:** 11:04
Instrument ID: GCMSW **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	135806	5.25	513174	6.49	212429	8.84	306941	11.31	177825	16.24	87998	18.74
Upper Limit [a]	271612	5.75	1026348	6.99	424858	9.34	613882	11.81	355650	16.74	175996	19.24
Lower Limit [b]	67903	4.75	256587	5.99	106215	8.34	153471	10.81	88913	15.74	43999	18.24

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP10654-MB	162249	5.25	627549	6.48	261043	8.83	374539	11.31	212530	16.23	102034	18.74
ZZZZZZ	155633	5.25	602360	6.48	249404	8.83	344583	11.31	205142	16.23	102476	18.74
ZZZZZZ	176269	5.25	680088	6.48	281468	8.84	413694	11.30	236691	16.23	114810	18.73
ZZZZZZ	177301	5.25	689053	6.48	280740	8.83	410944	11.31	240818	16.23	116245	18.74
OP10675-MB	162654	5.25	622621	6.48	257869	8.83	376128	11.31	212344	16.23	98476	18.73
OP10678-BS	145905	5.25	569979	6.48	233553	8.84	335796	11.31	198762	16.23	97407	18.74
OP10678-MB	165902	5.25	634000	6.48	261457	8.84	380592	11.30	225048	16.23	111697	18.74
ZZZZZZ	177967	5.25	680299	6.48	273521	8.84	390295	11.31	219558	16.23	110347	18.74
ZZZZZZ	166797	5.25	654350	6.48	272303	8.83	397774	11.31	231493	16.23	112888	18.73
ZZZZZZ	172327	5.25	669627	6.48	274220	8.83	406338	11.31	235475	16.23	114363	18.74
ZZZZZZ	165927	5.25	636469	6.48	261774	8.83	378159	11.31	221388	16.23	108214	18.74
ZZZZZZ	185333	5.27	678457	6.50	299520	8.84	426869	11.31	252807	16.23	125896	18.74
ZZZZZZ	168200	5.25	640009	6.48	266190	8.84	378928	11.31	201680	16.23	97393	18.74
ZZZZZZ	150117	5.27	560237	6.50	238753	8.84	336481	11.31	197248	16.23	97852	18.74
ZZZZZZ	159582	5.26	602084	6.49	258462	8.84	379560	11.30	212325	16.23	101997	18.73
F24683-3	160357	5.24	615289	6.48	253386	8.83	360379	11.31	201282	16.23	100213	18.74
OP10678-MS	156773	5.25	604491	6.49	250414	8.84	357264	11.31	198774	16.24	99093	18.74
OP10678-MSD	154741	5.25	603481	6.48	245203	8.84	354869	11.31	198072	16.23	100922	18.74

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SW1070-CC1064 **Injection Date:** 06/17/04
Lab File ID: W020371.D **Injection Time:** 10:13
Instrument ID: GCMSW **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	161684	5.25	612185	6.48	254816	8.84	367697	11.31	207498	16.23	102218	18.74
Upper Limit [a]	323368	5.75	1224370	6.98	509632	9.34	735394	11.81	414996	16.73	204436	19.24
Lower Limit [b]	80842	4.75	306093	5.98	127408	8.34	183849	10.81	103749	15.73	51109	18.24

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP10675-BS	167539	5.25	656846	6.49	272672	8.84	396006	11.31	222100	16.23	111006	18.74
OP10675-MB	168954	5.25	656720	6.48	263633	8.83	382594	11.30	209161	16.23	105883	18.74
ZZZZZZ	180152	5.25	683956	6.49	281268	8.84	402920	11.31	219671	16.23	108606	18.74
ZZZZZZ	180853	5.26	679553	6.49	280723	8.84	389540	11.31	222281	16.23	111509	18.73
ZZZZZZ	178263	5.25	688127	6.49	283603	8.84	407348	11.30	226124	16.22	110897	18.74
OP10678-MB	201496	5.25	771626	6.48	315461	8.84	462616	11.30	261457	16.23	125606	18.73
ZZZZZZ	178308	5.25	673585	6.48	277213	8.83	384215	11.31	215457	16.23	103146	18.73
ZZZZZZ	203176	5.25	771611	6.48	321119	8.83	455371	11.31	260608	16.23	125284	18.73
ZZZZZZ	193749	5.25	735740	6.48	301483	8.83	432435	11.31	236871	16.23	120323	18.73
OP10707-BS	204923	5.26	789416	6.48	327585	8.84	461998	11.31	253017	16.23	121580	18.74
OP10707-MB	285877	5.25	1113318	6.48	469383	8.83	655883	11.31	364124	16.23	174377	18.74
ZZZZZZ	198159	5.25	766558	6.48	304642	8.84	413983	11.30	208850	16.22	101490	18.74

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
F24764-1	W020320.D	91.0	88.0	105.0
F24764-2	W020321.D	80.0	73.0	92.0
F24764-3	W020322.D	89.0	87.0	101.0
F24764-4	W020323.D	82.0	83.0	100.0
F24764-5	W020324.D	90.0	89.0	107.0
F24764-6	W020325.D	92.0	91.0	110.0
F24764-7	W020326.D	93.0	89.0	107.0
F24764-8	W020327.D	90.0	88.0	105.0
F24764-9	W020330.D	93.0	89.0	109.0
F24764-10	W020331.D	95.0	94.0	109.0
F24764-11	W020332.D	85.0	85.0	100.0
F24764-12	W020333.D	90.0	89.0	103.0
F24764-13	W020334.D	85.0	85.0	101.0
OP10675-BS	W020316.D	96.0	94.0	104.0
OP10675-BS	W020374.D	94.0	92.0	106.0
OP10675-MB	W020317.D	92.0	87.0	108.0
OP10675-MB	W020343.D	91.0	89.0	106.0
OP10675-MB	W020375.D	92.0	90.0	109.0
OP10675-MS	W020328.D	85.0	82.0	95.0
OP10675-MSD	W020329.D	85.0	84.0	94.0

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	49-119%
S2 = 2-Fluorobiphenyl	45-118%
S3 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1064-ICC1064
Lab FileID: W020223.D

Response Factor Report MSBNA01

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Initial Calibration

Calibration Files
5 =W020220.D 25 =W020221.D 50 =W020222.D 75 =W020223.D
100 =W020224.D 125 =W020225.D icv =W020226.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.569	0.585	0.589	0.592	0.589	0.580		0.584	1.41
3) N-nitrosodimethyl	0.622	0.674	0.680	0.675	0.666	0.682		0.667	3.39
4) Pyridine	1.423	1.524	1.503	1.470	1.491	1.500		1.485	2.37
5) Benzaldehyde	1.081	1.167	1.109	0.957	0.817			1.026	13.62
6) Aniline	2.178	2.261	2.247	2.196	2.126	2.149		2.193	2.43
7)S 2-Fluorophenol	1.323	1.387	1.385	1.349	1.341	1.336		1.354	1.97
8) bis(2-Chloroethyl	1.298	1.403	1.330	1.393	1.408	1.366		1.366	3.24
9)S Phenol-d5	1.686	1.756	1.725	1.659	1.630	1.629		1.681	3.09
10)C Phenol	1.854	1.983	1.945	1.872	1.826	1.820		1.883	3.52
11) 2-Chlorophenol	1.468	1.542	1.545	1.519	1.514	1.509		1.516	1.84
12) 1,3-Dichlorobenze	1.556	1.615	1.590	1.586	1.582	1.578		1.585	1.20
13)C 1,4-Dichlorobenze	1.592	1.673	1.654	1.616	1.588	1.593		1.619	2.23
14) 1,2-Dichlorobenze	1.481	1.509	1.526	1.499	1.474	1.471		1.493	1.45
15) Benzyl alcohol	0.937	1.015	1.005	0.994	0.988	0.992		0.988	2.73
16) bis(2-chloroisopr	2.521	2.798	2.788	2.665	2.684	2.657		2.686	3.78
17) 2-Methylphenol	1.338	1.377	1.369	1.336	1.310	1.324		1.342	1.93
18) Acetophenone	1.737	1.942	2.016	1.869	1.875	1.968		1.901	5.16
19) Hexachloroethane	0.597	0.644	0.641	0.628	0.633	0.634		0.630	2.70
20)P N-Nitroso-di-n-pr	0.952	0.974	0.975	0.954	0.960	0.943		0.960	1.32
21) 3&4-Methylphenol	1.357	1.421	1.442	1.394	1.369	1.363		1.391	2.47
22) I Naphthalene-d8	ISTD								
23)S Nitrobenzene-d5	0.340	0.368	0.370	0.366	0.363	0.364		0.362	3.04
24) Nitrobenzene	0.346	0.360	0.360	0.362	0.356	0.357		0.357	1.58
25) Isophorone	0.608	0.625	0.636	0.625	0.622	0.627		0.624	1.46
26)C 2-Nitrophenol	0.179	0.190	0.194	0.196	0.194	0.197		0.192	3.41
27) 2,4-Dimethylpheno	0.344	0.364	0.361	0.360	0.350	0.351		0.355	2.19
28) bis(2-Chloroethox	0.386	0.417	0.412	0.404	0.402	0.400		0.404	2.65
29) Benzoic Acid	0.147	0.242	0.262	0.272	0.271	0.287		0.247	20.72
---- Linear regression ---- Coefficient = 0.9983									
Response Ratio = -0.02855 + 0.28968 *A									
30)C 2,4-Dichloropheno	0.254	0.267	0.273	0.271	0.268	0.266		0.267	2.45
31) 1,2,4-Trichlorobe	0.291	0.299	0.298	0.300	0.296	0.292		0.296	1.31
32) Naphthalene	1.009	1.068	1.042	1.039	1.026	1.022		1.034	1.95
33) 4-Chloroaniline	0.413	0.430	0.425	0.427	0.418	0.411		0.421	1.88
34) 2,6-Dichloropheno	0.256	0.270	0.270	0.267	0.262	0.258		0.264	2.31
35)C Hexachlorobutadie	0.145	0.148	0.147	0.148	0.147	0.145		0.147	1.00
36) Caprolactam	0.082	0.107	0.104	0.100	0.096	0.096		0.097	8.81
37)C 4-Chloro-3-methyl	0.286	0.293	0.292	0.288	0.285	0.287		0.288	1.14
38) 2-Methylnaphthale	0.617	0.645	0.626	0.636	0.624	0.612		0.627	1.97
39) 1-Methylnaphthale	0.602	0.625	0.614	0.616	0.593	0.596		0.608	2.07
40) 1,2,4,5-Tetrachlo	0.252	0.262	0.256	0.252	0.252	0.251		0.254	1.70
41) I Acenaphthene-d10	ISTD								

Initial Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1064-ICC1064
Lab FileID: W020223.D

42)P	Hexachlorocyclope	0.359	0.404	0.414	0.420	0.433	0.440	0.412	6.95
43)C	2,4,6-Trichloroph	0.385	0.418	0.409	0.417	0.419	0.430	0.413	3.73
44)	2,4,5-Trichloroph	0.419	0.448	0.438	0.442	0.438	0.438	0.437	2.24
45)S	2-Fluorobiphenyl	1.354	1.454	1.426	1.421	1.451	1.452	1.426	2.68
46)	1,1'-Biphenyl	1.584	1.729	1.731	1.654	1.679	1.792	1.695	4.27
47)	2-Chloronaphthale	1.264	1.327	1.289	1.285	1.265	1.303	1.289	1.86
48)	2-Nitroaniline	0.380	0.410	0.423	0.413	0.414	0.430	0.411	4.15
49)	Acenaphthylene	2.010	2.104	2.101	2.076	2.097	2.119	2.085	1.89
50)	Dimethylphthalate	1.331	1.350	1.312	1.270	1.271	1.298	1.305	2.46
51)	2,6-Dinitrotoluen	0.287	0.317	0.311	0.310	0.309	0.313	0.308	3.47
52)C	Acenaphthene	1.251	1.280	1.279	1.268	1.266	1.293	1.273	1.14
53)	3-Nitroaniline	0.371	0.396	0.401	0.384	0.380	0.385	0.386	2.87
54)P	2,4-Dinitrophenol	0.091	0.162	0.195	0.196	0.204	0.209	0.176	25.38
	---- Quadratic regression ---- Coefficient = 0.9997								
	Response Ratio = -0.01577 + 0.19444 *A + 0.00624 *A^2								
55)	Dibenzofuran	1.627	1.697	1.668	1.644	1.643	1.665	1.657	1.49
56)	2,4-Dinitrotoluen	0.398	0.410	0.413	0.404	0.405	0.415	0.407	1.49
57)P	4-Nitrophenol	0.185	0.201	0.207	0.207	0.198	0.209	0.201	4.43
58)	2,3,4,6-Tetrachlo	0.303	0.319	0.326	0.319	0.314	0.321	0.317	2.50
59)	Fluorene	1.283	1.336	1.306	1.284	1.282	1.299	1.298	1.61
60)	4-Chlorophenyl-ph	0.625	0.623	0.611	0.596	0.596	0.602	0.609	2.11
61)	Diethylphthalate	1.327	1.409	1.376	1.319	1.346	1.356	1.356	2.46
62)	4-Nitroaniline	0.347	0.386	0.380	0.368	0.358	0.371	0.368	3.79
63) I	Phenanthrene-d10	----------ISTD----------							
64)	4,6-Dinitro-2-met	0.090	0.137	0.151	0.153	0.160	0.162	0.142	19.04
	---- Quadratic regression ---- Coefficient = 0.9999								
	Response Ratio = -0.00805 + 0.14876 *A + 0.00527 *A^2								
65)C	n-Nitrosodiphenyl	0.577	0.620	0.605	0.607	0.610	0.598	0.603	2.38
66)	1,2-Diphenylhydra	0.880	0.929	0.908	0.908	0.915	0.999	0.923	4.40
67)S	2,4,6-Tribromophe	0.075	0.084	0.083	0.083	0.085	0.083	0.082	4.20
68)	4-Bromophenyl-phe	0.183	0.192	0.192	0.192	0.194	0.192	0.191	2.00
69)	Hexachlorobenzene	0.179	0.180	0.178	0.176	0.177	0.175	0.177	1.08
70)	Atrazine	0.193	0.212	0.208	0.190	0.193	0.204	0.200	4.56
71)C	Pentachlorophenol	0.101	0.121	0.123	0.124	0.128	0.125	0.120	8.31
72)	Phenanthrene	1.188	1.204	1.218	1.203	1.198	1.187	1.200	0.96
73)	Anthracene	1.230	1.276	1.247	1.224	1.229	1.192	1.233	2.26
74)	Carbazole	1.030	1.066	1.043	1.017	1.039	1.021	1.036	1.74
75)	Di-n-butylphthala	1.299	1.419	1.409	1.374	1.404	1.401	1.384	3.19
76)C	Fluoranthene	1.021	1.086	1.073	1.042	1.041	1.038	1.050	2.32
77) I	Chrysene-d12	----------ISTD----------							
78)	Benzidine	0.996	1.091	1.070	1.070	1.022	0.954	1.034	5.08
79)	Pyrene	1.577	1.663	1.629	1.659	1.662	1.633	1.637	2.02
80)S	Terphenyl-d14	0.844	0.902	0.886	0.899	0.904	0.881	0.886	2.54
81)	Butylbenzylphthal	0.726	0.815	0.841	0.835	0.836	0.829	0.814	5.40
82)	3,3'-Dichlorobenz	0.413	0.437	0.439	0.437	0.427	0.422	0.429	2.39
83)	Benzo[a]anthracen	1.255	1.290	1.291	1.282	1.272	1.254	1.274	1.31
84)	Chrysene	1.172	1.221	1.199	1.195	1.179	1.189	1.193	1.44
85)	bis(2-Ethylhexyl)	0.963	1.090	1.093	1.113	1.151	1.112	1.087	5.93
86) I	Perylene-d12	----------ISTD----------							
87)C	Di-n-octylphthala	2.403	2.840	2.872	2.849	3.006	3.015	2.831	7.90
88)	Benzo[b]fluoranth	1.609	1.776	1.780	1.820	1.793	1.955	1.789	6.20
89)	Benzo[k]fluoranth	1.712	1.767	1.740	1.729	1.704	1.625	1.713	2.82
90)C	Benzo[a]pyrene	1.472	1.633	1.607	1.626	1.619	1.660	1.603	4.15
91)	Indeno[1,2,3-cd]p	1.117	1.230	1.256	1.313	1.301	1.355	1.262	6.63
92)	Dibenz[a,h]anthra	1.014	1.229	1.200	1.257	1.271	1.242	1.202	7.95

Initial Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1064-ICC1064
Lab FileID: W020223.D

93) Benzo[g,h,i]peryl 1.287 1.362 1.328 1.368 1.386 1.363 1.349 2.64

(#) = Out of Range

8270C.M Wed Jun 16 09:17:29 2004 MSBNA01

Initial Calibration Verification

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1064-ICV1064
Lab FileID: W020226.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\060904\W020226.D Vial: 8
Acq On : 9 Jun 2004 5:35 pm Operator: marke
Sample : icv1064-50 Inst : MSBNA01
Misc : op10551,sw1064,30.8,,,1,1,soil Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	97	0.00	5.26
2		1,4-Dioxane	50.000	49.238	1.5	0	0.04	2.05
3		N-nitrosodimethylamine	50.000	53.625	-7.2	0	0.02	2.67
4		Pyridine	50.000	43.801	12.4	0	0.02	2.64
5		Benzaldehyde		----------NA----------				
6		Aniline	50.000	14.816	70.4#	0	0.00	5.01
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	50.381	-0.8	0	0.00	5.06
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	48.847	2.3	0	0.00	5.00
11		2-Chlorophenol	50.000	49.417	1.2	0	0.00	5.10
12		1,3-Dichlorobenzene	50.000	47.905	4.2	0	0.00	5.23
13	C	1,4-Dichlorobenzene	50.000	48.597	2.8	0	0.00	5.27
14		1,2-Dichlorobenzene	50.000	48.832	2.3	0	0.00	5.44
15		Benzyl alcohol	50.000	48.110	3.8	0	0.00	5.40
16		bis(2-chloroisopropyl)eth	50.000	51.591	-3.2	0	0.00	5.53
17		2-Methylphenol	50.000	48.684	2.6	0	0.00	5.51
18		Acetophenone	50.000	49.771	0.5	0	0.00	5.64
19		Hexachloroethane	50.000	48.251	3.5	0	0.00	5.72
20	P	N-Nitroso-di-n-propylamin	50.000	50.579	-1.2	0	0.00	5.67
21		3&4-Methylphenol	100.000	95.227	4.8	0	0.00	5.64
22	I	Naphthalene-d8	40.000	40.000	0.0	100	0.00	6.50
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	48.217	3.6	0	0.00	5.80
25		Isophorone	50.000	51.805	-3.6	0	0.00	6.03
26	C	2-Nitrophenol	50.000	50.604	-1.2	0	0.00	6.11
27		2,4-Dimethylphenol	50.000	49.532	0.9	0	0.00	6.14
28		bis(2-Chloroethoxy)methan	50.000	46.172	7.7	0	0.00	6.25
29		Benzoic Acid	100.000	97.055	2.9	0	0.00	6.31
30	C	2,4-Dichlorophenol	50.000	49.894	0.2	0	0.00	6.35
31		1,2,4-Trichlorobenzene	50.000	48.842	2.3	0	0.00	6.45
32		Naphthalene	50.000	49.682	0.6	0	0.00	6.52
33		4-Chloroaniline	50.000	27.439	45.1#	0	0.00	6.59
34		2,6-Dichlorophenol	50.000	45.526	8.9	0	0.00	6.60
35	C	Hexachlorobutadiene	50.000	47.945	4.1	0	0.00	6.72
36		Caprolactam	50.000	51.681	-3.4	0	-0.02	6.99
37	C	4-Chloro-3-methylphenol	50.000	49.555	0.9	0	0.00	7.15
38		2-Methylnaphthalene	50.000	49.288	1.4	0	0.00	7.34
39		1-Methylnaphthalene	50.000	51.697	-3.4	0	0.00	7.48
40		1,2,4,5-Tetrachlorobenzen	50.000	47.621	4.8	0	0.00	7.61

Initial Calibration Verification

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1064-ICV1064
Lab FileID: W020226.D

41	I	Acenaphthene-d10	40.000	40.000	0.0	100	0.00	8.85
42	P	Hexachlorocyclopentadiene	50.000	43.010	14.0	0	0.00	7.63
43	C	2,4,6-Trichlorophenol	50.000	48.187	3.6	0	0.00	7.74
44		2,4,5-Trichlorophenol	50.000	48.693	2.6	0	0.00	7.79
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	48.505	3.0	0	0.00	7.98
47		2-Chloronaphthalene	50.000	48.728	2.5	0	0.00	7.99
48		2-Nitroaniline	50.000	51.019	-2.0	0	0.00	8.18
49		Acenaphthylene	50.000	49.111	1.8	0	0.00	8.61
50		Dimethylphthalate	50.000	51.839	-3.7	0	-0.01	8.53
51		2,6-Dinitrotoluene	50.000	49.594	0.8	0	0.00	8.62
52	C	Acenaphthene	50.000	51.318	-2.6	0	0.00	8.90
53		3-Nitroaniline	50.000	30.627	38.7#	0	-0.01	8.82
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	100.000	101.394	-1.4	0	0.00	8.99
		----------	Amount	Calc.	%Drift		----------	
55		Dibenzofuran	50.000	48.679	2.6	0	0.00	9.15
56		2,4-Dinitrotoluene	50.000	50.492	-1.0	0	0.00	9.24
57	P	4-Nitrophenol	100.000	99.419	0.6	0	0.00	9.10
58		2,3,4,6-Tetrachlorophenol	50.000	46.258	7.5	0	0.00	9.42
59		Fluorene	50.000	53.980	-8.0	0	0.00	9.72
60		4-Chlorophenyl-phenylethe	50.000	50.524	-1.0	0	0.00	9.74
61		Diethylphthalate	50.000	51.529	-3.1	0	0.00	9.69
62		4-Nitroaniline	50.000	47.807	4.4	0	-0.01	9.84
63	I	Phenanthrene-d10	40.000	40.000	0.0	105	0.00	11.32
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	100.000	102.360	-2.4	0	0.00	9.91
		----------	Amount	Calc.	%Drift		----------	
65	C	n-Nitrosodiphenylamine	50.000	49.948	0.1	0	0.00	9.96
66		1,2-Diphenylhydrazine	50.000	49.789	0.4	0	0.00	10.01
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	49.186	1.6	0	0.00	10.57
69		Hexachlorobenzene	50.000	48.264	3.5	0	0.00	10.80
70		Atrazine	50.000	19.819	60.4#	0	0.00	10.98
71	C	Pentachlorophenol	100.000	103.129	-3.1	0	0.00	11.12
72		Phenanthrene	50.000	51.439	-2.9	0	0.00	11.36
73		Anthracene	50.000	50.558	-1.1	0	0.00	11.44
74		Carbazole	50.000	49.856	0.3	0	0.00	11.76
75		Di-n-butylphthalate	50.000	49.272	1.5	0	0.00	12.62
76	C	Fluoranthene	50.000	49.440	1.1	0	0.00	13.54
77	I	Chrysene-d12	40.000	40.000	0.0	112	0.00	16.25
78		Benzidine		----------NA----------				
79		Pyrene	50.000	49.826	0.3	0	0.00	13.94
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	49.375	1.3	0	0.00	15.42
82		3,3'-Dichlorobenzidine	50.000	34.432	31.1#	0	0.00	16.26
83		Benzo[a]anthracene	50.000	50.760	-1.5	0	0.00	16.21
84		Chrysene	50.000	51.961	-3.9	0	0.00	16.29
85		bis(2-Ethylhexyl)phthalat	50.000	50.013	-0.0	0	0.00	16.62
86	I	Perylene-d12	40.000	40.000	0.0	110	0.00	18.75
87	C	Di-n-octylphthalate	50.000	55.913	-11.8	0	0.00	17.73
88		Benzo[b]fluoranthene	50.000	51.225	-2.5	0	0.00	18.14
89		Benzo[k]fluoranthene	50.000	52.189	-4.4	0	0.00	18.19

Initial Calibration Verification

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1064-ICV1064
Lab FileID: W020226.D

90	C	Benzo[a]pyrene	50.000	52.840	-5.7	0	0.00	18.66
91		Indeno[1,2,3-cd]pyrene	50.000	49.419	1.2	0	0.00	20.34
92		Dibenz[a,h]anthracene	50.000	50.780	-1.6	0	0.00	20.39
93		Benzo[g,h,i]perylene	50.000	51.023	-2.0	0	0.00	20.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W020226.D 8270C.M Wed Jun 16 09:17:43 2004 MSBNA01

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1067-CC1064
Lab FileID: W020289.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\061504\W020289.D Vial: 2
Acq On : 15 Jun 2004 8:38 am Operator: marke
Sample : cc1064-50 Inst : MSBNA01
Misc : op10648,sw1067,990,,,1,1,water Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00	5.25
2		1,4-Dioxane	0.584	0.600	-2.7	119	-0.04	1.97
3		N-nitrosodimethylamine	0.667	0.664	0.4	114	-0.03	2.62
4		Pyridine	1.485	1.496	-0.7	117	-0.03	2.60
5		Benzaldehyde	1.026	1.007	1.9	106	0.00	4.88
6		Aniline	2.193	2.201	-0.4	115	-0.01	5.00
7	S	2-Fluorophenol	1.354	1.373	-1.4	116	0.00	4.18
8		bis(2-Chloroethyl)ether	1.366	1.372	-0.4	121	-0.01	5.06
9	S	Phenol-d5	1.681	1.692	-0.7	115	0.00	4.99
10	C	Phenol	1.883	1.896	-0.7	114	0.00	5.00
11		2-Chlorophenol	1.516	1.517	-0.1	115	0.00	5.10
12		1,3-Dichlorobenzene	1.585	1.598	-0.8	118	0.00	5.22
13	C	1,4-Dichlorobenzene	1.619	1.641	-1.4	116	0.00	5.27
14		1,2-Dichlorobenzene	1.493	1.501	-0.5	115	0.00	5.43
15		Benzyl alcohol	0.988	0.915	7.4	107	0.00	5.39
16		bis(2-chloroisopropyl)eth	2.686	2.737	-1.9	115	0.00	5.53
17		2-Methylphenol	1.342	1.326	1.2	114	0.00	5.50
18		Acetophenone	1.901	1.942	-2.2	113	0.00	5.64
19		Hexachloroethane	0.630	0.646	-2.5	118	0.00	5.71
20	P	N-Nitroso-di-n-propylamin	0.960	0.938	2.3	113	-0.02	5.66
21		3&4-Methylphenol	1.391	1.376	1.1	112	-0.01	5.64
22	I	Naphthalene-d8	1.000	1.000	0.0	113	-0.01	6.48
23	S	Nitrobenzene-d5	0.362	0.364	-0.6	112	-0.01	5.78
24		Nitrobenzene	0.357	0.356	0.3	112	0.00	5.80
25		Isophorone	0.624	0.614	1.6	109	-0.02	6.03
26	C	2-Nitrophenol	0.192	0.194	-1.0	113	-0.01	6.11
27		2,4-Dimethylphenol	0.355	0.350	1.4	110	0.00	6.14
28		bis(2-Chloroethoxy)methan	0.404	0.403	0.2	111	-0.01	6.24
			Amount	Calc.	%Drift			
29		Benzoic Acid	50.000	46.099	7.8	106	-0.04	6.27
			AvgRF	CCRF	%Dev			
30	C	2,4-Dichlorophenol	0.267	0.267	0.0	111	0.00	6.35
31		1,2,4-Trichlorobenzene	0.296	0.297	-0.3	113	-0.01	6.44
32		Naphthalene	1.034	1.025	0.9	111	0.00	6.51
33		4-Chloroaniline	0.421	0.412	2.1	110	-0.01	6.59
34		2,6-Dichlorophenol	0.264	0.263	0.4	110	0.00	6.60
35	C	Hexachlorobutadiene	0.147	0.148	-0.7	114	-0.01	6.70
36		Caprolactam	0.097	0.096	1.0	105	-0.03	6.99
37	C	4-Chloro-3-methylphenol	0.288	0.275	4.5	107	0.00	7.15

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1067-CC1064
Lab FileID: W020289.D

38		2-Methylnaphthalene	0.627	0.622	0.8	113	0.00	7.33
39		1-Methylnaphthalene	0.608	0.611	-0.5	113	-0.01	7.47
40		1,2,4,5-Tetrachlorobenzen	0.254	0.245	3.5	109	-0.01	7.60
41	I	Acenaphthene-d10	1.000	1.000	0.0	108	0.00	8.85
42	P	Hexachlorocyclopentadiene	0.412	0.421	-2.2	110	0.00	7.63
43	C	2,4,6-Trichlorophenol	0.413	0.419	-1.5	111	0.00	7.73
44		2,4,5-Trichlorophenol	0.437	0.437	0.0	108	-0.01	7.78
45	S	2-Fluorobiphenyl	1.426	1.445	-1.3	110	-0.01	7.85
46		1,1'-Biphenyl	1.695	1.755	-3.5	110	-0.01	7.97
47		2-Chloronaphthalene	1.289	1.288	0.1	108	-0.01	7.99
48		2-Nitroaniline	0.411	0.399	2.9	102	0.00	8.18
49		Acenaphthylene	2.085	2.076	0.4	107	-0.01	8.61
50		Dimethylphthalate	1.305	1.291	1.1	107	-0.02	8.52
51		2,6-Dinitrotoluene	0.308	0.305	1.0	107	-0.01	8.62
52	C	Acenaphthene	1.273	1.239	2.7	105	-0.01	8.89
53		3-Nitroaniline	0.386	0.369	4.4	100	-0.01	8.82
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	50.000	48.153	3.7	101	-0.02	8.97
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.657	1.644	0.8	107	-0.01	9.14
56		2,4-Dinitrotoluene	0.407	0.390	4.2	102	-0.02	9.23
57	P	4-Nitrophenol	0.201	0.177	11.9	92	-0.01	9.09
58		2,3,4,6-Tetrachlorophenol	0.317	0.313	1.3	104	-0.01	9.42
59		Fluorene	1.298	1.273	1.9	106	-0.02	9.71
60		4-Chlorophenyl-phenylethe	0.609	0.609	0.0	108	-0.01	9.73
61		Diethylphthalate	1.356	1.287	5.1	101	-0.02	9.67
62		4-Nitroaniline	0.368	0.345	6.3	99	-0.02	9.83
63	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00	11.31
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	50.000	52.094	-4.2	103	-0.02	9.90
		----------	AvgRF	CCRF	%Dev		----------	
65	C	n-Nitrosodiphenylamine	0.603	0.628	-4.1	104	-0.01	9.95
66		1,2-Diphenylhydrazine	0.923	0.970	-5.1	107	-0.01	9.99
67	S	2,4,6-Tribromophenol	0.082	0.086	-4.9	105	-0.02	10.15
68		4-Bromophenyl-phenylether	0.191	0.203	-6.3	106	-0.01	10.56
69		Hexachlorobenzene	0.177	0.187	-5.6	105	-0.01	10.78
70		Atrazine	0.200	0.209	-4.5	100	-0.01	10.98
71	C	Pentachlorophenol	0.120	0.123	-2.5	100	0.00	11.11
72		Phenanthrene	1.200	1.222	-1.8	100	-0.01	11.36
73		Anthracene	1.233	1.252	-1.5	100	-0.02	11.43
74		Carbazole	1.036	1.012	2.3	97	0.00	11.76
75		Di-n-butylphthalate	1.384	1.356	2.0	96	-0.01	12.61
76	C	Fluoranthene	1.050	1.017	3.1	95	-0.01	13.53
77	I	Chrysene-d12	1.000	1.000	0.0	87	0.00	16.24
78		Benzidine	1.034	1.032	0.2	84	-0.01	13.86
79		Pyrene	1.637	1.770	-8.1	95	-0.01	13.93
80	S	Terphenyl-d14	0.886	0.952	-7.4	94	-0.01	14.34
81		Butylbenzylphthalate	0.814	0.838	-2.9	87	0.00	15.41
82		3,3'-Dichlorobenzidine	0.429	0.426	0.7	85	-0.01	16.26
83		Benzo[a]anthracene	1.274	1.273	0.1	86	-0.01	16.21
84		Chrysene	1.193	1.195	-0.2	87	-0.01	16.29
85		bis(2-Ethylhexyl)phthalat	1.087	1.072	1.4	86	0.00	16.61

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1067-CC1064
Lab FileID: W020289.D

86	I	Perylene-d12	1.000	1.000	0.0	79	0.00	18.74
87	C	Di-n-octylphthalate	2.831	2.967	-4.8	81	0.00	17.72
88		Benzo[b]fluoranthene	1.789	1.873	-4.7	83	-0.01	18.14
89		Benzo[k]fluoranthene	1.713	1.792	-4.6	81	-0.01	18.18
90	C	Benzo[a]pyrene	1.603	1.639	-2.2	80	-0.01	18.65
91		Indeno[1,2,3-cd]pyrene	1.262	1.163	7.8	73	-0.01	20.34
92		Dibenz[a,h]anthracene	1.202	1.174	2.3	77	-0.01	20.38
93		Benzo[g,h,i]perylene	1.349	1.293	4.2	77	-0.02	20.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0

W020222.D 8270C.M Wed Jun 16 10:00:11 2004 MSBNA01

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1068-CC1064
Lab FileID: W020336.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\061604\W020336.D Vial: 2
Acq On : 16 Jun 2004 11:04 am Operator: marke
Sample : cc1064-75 Inst : MSBNA01
Misc : op10675,sw1068,980,,,1,1,water Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	5.25
2		1,4-Dioxane	0.584	0.626	-7.2	120	-0.05	1.96
3		N-nitrosodimethylamine	0.667	0.649	2.7	109	-0.03	2.62
4		Pyridine	1.485	1.514	-2.0	117	-0.03	2.59
5		Benzaldehyde	1.026	1.101	-7.3	131	0.00	4.88
6		Aniline	2.193	2.185	0.4	113	0.00	5.01
7	S	2-Fluorophenol	1.354	1.399	-3.3	118	0.00	4.18
8		bis(2-Chloroethyl)ether	1.366	1.335	2.3	109	-0.01	5.06
9	S	Phenol-d5	1.681	1.665	1.0	114	0.00	4.99
10	C	Phenol	1.883	1.878	0.3	114	0.00	5.00
11		2-Chlorophenol	1.516	1.528	-0.8	114	0.00	5.10
12		1,3-Dichlorobenzene	1.585	1.615	-1.9	116	0.00	5.22
13	C	1,4-Dichlorobenzene	1.619	1.655	-2.2	117	0.00	5.27
14		1,2-Dichlorobenzene	1.493	1.522	-1.9	116	0.00	5.43
15		Benzyl alcohol	0.988	0.974	1.4	111	0.00	5.40
16		bis(2-chloroisopropyl)eth	2.686	2.725	-1.5	116	-0.01	5.53
17		2-Methylphenol	1.342	1.329	1.0	113	0.00	5.51
18		Acetophenone	1.901	1.896	0.3	115	-0.01	5.64
19		Hexachloroethane	0.630	0.644	-2.2	117	-0.01	5.71
20	P	N-Nitroso-di-n-propylamin	0.960	0.938	2.3	112	-0.01	5.67
21		3&4-Methylphenol	1.391	1.361	2.2	111	0.00	5.64
22	I	Naphthalene-d8	1.000	1.000	0.0	111	0.00	6.49
23	S	Nitrobenzene-d5	0.362	0.371	-2.5	112	0.00	5.78
24		Nitrobenzene	0.357	0.363	-1.7	111	0.00	5.80
25		Isophorone	0.624	0.630	-1.0	112	-0.01	6.03
26	C	2-Nitrophenol	0.192	0.198	-3.1	112	0.00	6.11
27		2,4-Dimethylphenol	0.355	0.359	-1.1	111	0.00	6.14
28		bis(2-Chloroethoxy)methan	0.404	0.415	-2.7	114	0.00	6.24
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	75.000	67.497	10.0	100	-0.03	6.28
		----------	AvgRF	CCRF	%Dev		----------	
30	C	2,4-Dichlorophenol	0.267	0.275	-3.0	112	0.00	6.35
31		1,2,4-Trichlorobenzene	0.296	0.306	-3.4	113	0.00	6.44
32		Naphthalene	1.034	1.053	-1.8	112	-0.01	6.51
33		4-Chloroaniline	0.421	0.431	-2.4	112	0.00	6.59
34		2,6-Dichlorophenol	0.264	0.267	-1.1	111	0.00	6.60
35	C	Hexachlorobutadiene	0.147	0.152	-3.4	114	-0.01	6.70
36		Caprolactam	0.097	0.097	0.0	108	-0.02	7.00
37	C	4-Chloro-3-methylphenol	0.288	0.286	0.7	110	0.00	7.15

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1068-CC1064
Lab FileID: W020336.D

38		2-Methylnaphthalene	0.627	0.640	-2.1	111	-0.01	7.33
39		1-Methylnaphthalene	0.608	0.626	-3.0	113	0.00	7.47
40		1,2,4,5-Tetrachlorobenzen	0.254	0.256	-0.8	113	-0.01	7.60
41	I	Acenaphthene-d10	1.000	1.000	0.0	110	0.00	8.84
42	P	Hexachlorocyclopentadiene	0.412	0.425	-3.2	111	0.00	7.63
43	C	2,4,6-Trichlorophenol	0.413	0.422	-2.2	111	0.00	7.73
44		2,4,5-Trichlorophenol	0.437	0.444	-1.6	110	0.00	7.79
45	S	2-Fluorobiphenyl	1.426	1.434	-0.6	111	0.00	7.85
46		1,1'-Biphenyl	1.695	1.724	-1.7	114	-0.01	7.97
47		2-Chloronaphthalene	1.289	1.315	-2.0	112	-0.01	7.98
48		2-Nitroaniline	0.411	0.408	0.7	109	-0.01	8.18
49		Acenaphthylene	2.085	2.072	0.6	110	-0.01	8.60
50		Dimethylphthalate	1.305	1.303	0.2	113	-0.01	8.52
51		2,6-Dinitrotoluene	0.308	0.305	1.0	108	-0.01	8.61
52	C	Acenaphthene	1.273	1.271	0.2	110	0.00	8.90
53		3-Nitroaniline	0.386	0.376	2.6	107	0.00	8.82
		----------	Amount	Calc.	%Drift	----------		
54	P	2,4-Dinitrophenol	75.000	68.153	9.1	99	-0.01	8.98
		----------	AvgRF	CCRF	%Dev	----------		
55		Dibenzofuran	1.657	1.653	0.2	110	-0.01	9.14
56		2,4-Dinitrotoluene	0.407	0.404	0.7	110	-0.01	9.23
57	P	4-Nitrophenol	0.201	0.184	8.5	98	0.00	9.10
58		2,3,4,6-Tetrachlorophenol	0.317	0.317	0.0	109	0.00	9.42
59		Fluorene	1.298	1.293	0.4	111	-0.01	9.71
60		4-Chlorophenyl-phenylethe	0.609	0.605	0.7	111	-0.01	9.73
61		Diethylphthalate	1.356	1.312	3.2	109	-0.01	9.68
62		4-Nitroaniline	0.368	0.353	4.1	105	-0.02	9.83
63	I	Phenanthrene-d10	1.000	1.000	0.0	107	0.00	11.31
		----------	Amount	Calc.	%Drift	----------		
64		4,6-Dinitro-2-methylpheno	75.000	74.360	0.9	107	-0.02	9.90
		----------	AvgRF	CCRF	%Dev	----------		
65	C	n-Nitrosodiphenylamine	0.603	0.620	-2.8	110	-0.01	9.96
66		1,2-Diphenylhydrazine	0.923	0.936	-1.4	110	-0.01	10.00
67	S	2,4,6-Tribromophenol	0.082	0.086	-4.9	110	-0.01	10.15
68		4-Bromophenyl-phenylether	0.191	0.198	-3.7	110	-0.01	10.56
69		Hexachlorobenzene	0.177	0.186	-5.1	113	0.00	10.79
70		Atrazine	0.200	0.201	-0.5	113	0.00	10.98
71	C	Pentachlorophenol	0.120	0.122	-1.7	105	0.00	11.11
72		Phenanthrene	1.200	1.207	-0.6	107	-0.01	11.36
73		Anthracene	1.233	1.240	-0.6	108	-0.01	11.44
74		Carbazole	1.036	1.008	2.7	106	-0.01	11.76
75		Di-n-butylphthalate	1.384	1.384	0.0	108	-0.01	12.61
76	C	Fluoranthene	1.050	1.015	3.3	104	0.00	13.53
77	I	Chrysene-d12	1.000	1.000	0.0	95	0.00	16.24
78		Benzidine	1.034	1.070	-3.5	95	-0.01	13.86
79		Pyrene	1.637	1.808	-10.4	104	0.00	13.94
80	S	Terphenyl-d14	0.886	0.991	-11.9	105	0.00	14.34
81		Butylbenzylphthalate	0.814	0.855	-5.0	97	0.00	15.41
82		3,3'-Dichlorobenzidine	0.429	0.418	2.6	91	0.00	16.26
83		Benzo[a]anthracene	1.274	1.299	-2.0	96	0.00	16.21
84		Chrysene	1.193	1.210	-1.4	96	0.00	16.29
85		bis(2-Ethylhexyl)phthalat	1.087	1.124	-3.4	96	0.00	16.61

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1068-CC1064
Lab FileID: W020336.D

86	I	Perylene-d12	1.000	1.000	0.0	81	0.00	18.74
87	C	Di-n-octylphthalate	2.831	3.234	-14.2	92	-0.01	17.72
88		Benzo[b]fluoranthene	1.789	1.887	-5.5	84	-0.01	18.13
89		Benzo[k]fluoranthene	1.713	1.889	-10.3	89	0.00	18.18
90	C	Benzo[a]pyrene	1.603	1.711	-6.7	86	-0.01	18.65
91		Indeno[1,2,3-cd]pyrene	1.262	1.270	-0.6	79	-0.01	20.34
92		Dibenz[a,h]anthracene	1.202	1.223	-1.7	79	-0.01	20.38
93		Benzo[g,h,i]perylene	1.349	1.369	-1.5	81	-0.01	20.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0

W020223.D 8270C.M Wed Jun 16 16:11:13 2004 MSBNA01

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1070-CC1064
Lab FileID: W020371.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\061704\W020371.D Vial: 2
Acq On : 17 Jun 2004 10:13 am Operator: marke
Sample : cc1064-50 Inst : MSBNA01
Misc : op10675,sw1070,990,,,1,1,water Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Wed Jun 16 08:59:50 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	131	0.00	5.25
2		1,4-Dioxane	0.584	0.607	-3.9	135	-0.04	1.96
3		N-nitrosodimethylamine	0.667	0.670	-0.4	129	-0.03	2.62
4		Pyridine	1.485	1.523	-2.6	133	-0.03	2.59
5		Benzaldehyde	1.026	1.163	-13.4	137	0.00	4.88
6		Aniline	2.193	2.182	0.5	127	-0.01	5.00
7	S	2-Fluorophenol	1.354	1.392	-2.8	132	0.00	4.18
8		bis(2-Chloroethyl)ether	1.366	1.385	-1.4	136	-0.01	5.06
9	S	Phenol-d5	1.681	1.692	-0.7	128	0.00	4.99
10	C	Phenol	1.883	1.878	0.3	126	0.00	5.00
11		2-Chlorophenol	1.516	1.506	0.7	128	-0.01	5.09
12		1,3-Dichlorobenzene	1.585	1.609	-1.5	132	0.00	5.22
13	C	1,4-Dichlorobenzene	1.619	1.643	-1.5	130	0.00	5.27
14		1,2-Dichlorobenzene	1.493	1.514	-1.4	130	0.00	5.43
15		Benzyl alcohol	0.988	0.971	1.7	126	-0.01	5.39
16		bis(2-chloroisopropyl)eth	2.686	2.685	0.0	126	-0.01	5.53
17		2-Methylphenol	1.342	1.313	2.2	125	0.00	5.51
18		Acetophenone	1.901	1.945	-2.3	126	-0.01	5.64
19		Hexachloroethane	0.630	0.642	-1.9	131	-0.01	5.71
20	P	N-Nitroso-di-n-propylamin	0.960	0.932	2.9	125	-0.02	5.66
21		3&4-Methylphenol	1.391	1.355	2.6	123	-0.01	5.63
22	I	Naphthalene-d8	1.000	1.000	0.0	124	-0.01	6.48
23	S	Nitrobenzene-d5	0.362	0.370	-2.2	124	-0.01	5.78
24		Nitrobenzene	0.357	0.364	-2.0	125	0.00	5.80
25		Isophorone	0.624	0.638	-2.2	124	-0.02	6.02
26	C	2-Nitrophenol	0.192	0.204	-6.2	129	-0.01	6.10
27		2,4-Dimethylphenol	0.355	0.359	-1.1	123	-0.01	6.14
28		bis(2-Chloroethoxy)methan	0.404	0.417	-3.2	125	-0.01	6.24
			Amount	Calc.	%Drift			
29		Benzoic Acid	50.000	45.093	9.8	112	-0.04	6.27
			AvgRF	CCRF	%Dev			
30	C	2,4-Dichlorophenol	0.267	0.271	-1.5	122	0.00	6.34
31		1,2,4-Trichlorobenzene	0.296	0.315	-6.4	131	0.00	6.44
32		Naphthalene	1.034	1.052	-1.7	125	-0.01	6.51
33		4-Chloroaniline	0.421	0.429	-1.9	125	-0.01	6.59
34		2,6-Dichlorophenol	0.264	0.274	-3.8	126	0.00	6.60
35	C	Hexachlorobutadiene	0.147	0.154	-4.8	129	-0.01	6.70
36		Caprolactam	0.097	0.100	-3.1	119	-0.03	6.99
37	C	4-Chloro-3-methylphenol	0.288	0.286	0.7	121	0.00	7.15

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1070-CC1064
Lab FileID: W020371.D

38		2-Methylnaphthalene	0.627	0.641	-2.2	127	-0.01	7.33
39		1-Methylnaphthalene	0.608	0.624	-2.6	126	-0.01	7.47
40		1,2,4,5-Tetrachlorobenzen	0.254	0.263	-3.5	127	-0.01	7.60
41	I	Acenaphthene-d10	1.000	1.000	0.0	121	-0.01	8.84
42	P	Hexachlorocyclopentadiene	0.412	0.420	-1.9	123	-0.01	7.62
43	C	2,4,6-Trichlorophenol	0.413	0.418	-1.2	123	0.00	7.73
44		2,4,5-Trichlorophenol	0.437	0.450	-3.0	124	0.00	7.79
45	S	2-Fluorobiphenyl	1.426	1.470	-3.1	124	-0.01	7.85
46		1,1'-Biphenyl	1.695	1.740	-2.7	121	-0.01	7.97
47		2-Chloronaphthalene	1.289	1.317	-2.2	123	-0.01	7.98
48		2-Nitroaniline	0.411	0.418	-1.7	119	-0.02	8.18
49		Acenaphthylene	2.085	2.117	-1.5	122	-0.01	8.60
50		Dimethylphthalate	1.305	1.345	-3.1	124	-0.02	8.52
51		2,6-Dinitrotoluene	0.308	0.319	-3.6	124	-0.02	8.61
52	C	Acenaphthene	1.273	1.300	-2.1	123	-0.01	8.89
53		3-Nitroaniline	0.386	0.388	-0.5	117	-0.01	8.82
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	50.000	44.041	11.9	102	-0.02	8.97
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.657	1.712	-3.3	124	-0.02	9.14
56		2,4-Dinitrotoluene	0.407	0.402	1.2	118	-0.02	9.23
57	P	4-Nitrophenol	0.201	0.181	10.0	105	0.00	9.10
58		2,3,4,6-Tetrachlorophenol	0.317	0.315	0.6	117	-0.01	9.42
59		Fluorene	1.298	1.313	-1.2	121	-0.02	9.70
60		4-Chlorophenyl-phenylethe	0.609	0.631	-3.6	125	-0.02	9.73
61		Diethylphthalate	1.356	1.387	-2.3	122	-0.02	9.67
62		4-Nitroaniline	0.368	0.341	7.3	108	-0.02	9.83
63	I	Phenanthrene-d10	1.000	1.000	0.0	115	-0.01	11.31
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	50.000	48.375	3.3	110	-0.02	9.90
		----------	AvgRF	CCRF	%Dev		----------	
65	C	n-Nitrosodiphenylamine	0.603	0.631	-4.6	120	-0.02	9.95
66		1,2-Diphenylhydrazine	0.923	0.959	-3.9	122	-0.02	9.99
67	S	2,4,6-Tribromophenol	0.082	0.088	-7.3	122	-0.02	10.15
68		4-Bromophenyl-phenylether	0.191	0.208	-8.9	124	-0.01	10.56
69		Hexachlorobenzene	0.177	0.186	-5.1	120	-0.01	10.78
70		Atrazine	0.200	0.211	-5.5	117	-0.01	10.98
71	C	Pentachlorophenol	0.120	0.118	1.7	110	0.00	11.11
72		Phenanthrene	1.200	1.239	-3.3	117	-0.02	11.35
73		Anthracene	1.233	1.263	-2.4	117	-0.02	11.43
74		Carbazole	1.036	1.006	2.9	111	0.00	11.76
75		Di-n-butylphthalate	1.384	1.427	-3.1	117	-0.01	12.61
76	C	Fluoranthene	1.050	1.022	2.7	110	-0.01	13.53
77	I	Chrysene-d12	1.000	1.000	0.0	97	-0.01	16.23
78		Benzidine	1.034	0.965	6.7	88	-0.02	13.85
79		Pyrene	1.637	1.827	-11.6	109	-0.01	13.93
80	S	Terphenyl-d14	0.886	1.010	-14.0	111	-0.01	14.34
81		Butylbenzylphthalate	0.814	0.894	-9.8	103	-0.01	15.41
82		3,3'-Dichlorobenzidine	0.429	0.413	3.7	91	-0.01	16.26
83		Benzo[a]anthracene	1.274	1.308	-2.7	98	-0.01	16.21
84		Chrysene	1.193	1.227	-2.8	99	-0.02	16.28
85		bis(2-Ethylhexyl)phthalat	1.087	1.170	-7.6	104	-0.01	16.61

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1070-CC1064
Lab FileID: W020371.D

86	I	Perylene-d12	1.000	1.000	0.0	84	-0.01	18.74
87	C	Di-n-octylphthalate	2.831	3.382	-19.5	99	-0.02	17.72
88		Benzo[b]fluoranthene	1.789	1.889	-5.6	89	-0.02	18.13
89		Benzo[k]fluoranthene	1.713	1.833	-7.0	89	-0.02	18.17
90	C	Benzo[a]pyrene	1.603	1.703	-6.2	89	-0.02	18.65
91		Indeno[1,2,3-cd]pyrene	1.262	1.282	-1.6	86	-0.01	20.34
92		Dibenz[a,h]anthracene	1.202	1.267	-5.4	89	-0.02	20.37
93		Benzo[g,h,i]perylene	1.349	1.383	-2.5	88	-0.02	20.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W020222.D 8270C.M Thu Jun 17 16:33:58 2004 MSBNA01

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3212-MB	EF040455.D	1	06/23/04	CV	n/a	n/a	GEF3212

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24764-2, F24764-4, F24764-5, F24764-6, F24764-7, F24764-8, F24764-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	88%	70-123%
98-08-8	aaa-Trifluorotoluene	94%	73-122%

Method Blank Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3213-MB	EF040481.D	1	06/23/04	CV	n/a	n/a	GEF3213

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24764-10, F24764-11, F24764-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	86%	70-123%
98-08-8	aaa-Trifluorotoluene	94%	73-122%

Method Blank Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3214-MB	EF040508.D	1	06/24/04	CV	n/a	n/a	GEF3214

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24764-1, F24764-3, F24764-13, F24764-14

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	92%	70-123%
98-08-8	aaa-Trifluorotoluene	99%	73-122%

Blank Spike Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3212-BS	EF040454.D	1	06/23/04	CV	n/a	n/a	GEF3212

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24764-2, F24764-4, F24764-5, F24764-6, F24764-7, F24764-8, F24764-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.2	101	86-121
108-90-7	Chlorobenzene	20	19.7	99	81-119
95-50-1	1,2-Dichlorobenzene	20	19.0	95	75-120
541-73-1	1,3-Dichlorobenzene	20	20.5	103	77-121
106-46-7	1,4-Dichlorobenzene	20	20.2	101	75-122
100-41-4	Ethylbenzene	20	20.5	103	81-126
1634-04-4	Methyl Tert Butyl Ether	20	19.7	99	76-117
108-88-3	Toluene	20	19.8	99	82-123
1330-20-7	Xylenes (total)	60	59.8	100	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	96%	70-123%
98-08-8	aaa-Trifluorotoluene	100%	73-122%

Blank Spike Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3213-BS	EF040480.D	1	06/23/04	CV	n/a	n/a	GEF3213

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24764-10, F24764-11, F24764-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.2	96	86-121
108-90-7	Chlorobenzene	20	18.4	92	81-119
95-50-1	1,2-Dichlorobenzene	20	16.3	82	75-120
541-73-1	1,3-Dichlorobenzene	20	18.2	91	77-121
106-46-7	1,4-Dichlorobenzene	20	17.9	90	75-122
100-41-4	Ethylbenzene	20	19.4	97	81-126
1634-04-4	Methyl Tert Butyl Ether	20	18.5	93	76-117
108-88-3	Toluene	20	18.8	94	82-123
1330-20-7	Xylenes (total)	60	56.1	94	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	93%	70-123%
98-08-8	aaa-Trifluorotoluene	96%	73-122%

Blank Spike Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3214-BS	EF040507.D	1	06/24/04	CV	n/a	n/a	GEF3214

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24764-1, F24764-3, F24764-13, F24764-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.4	102	86-121
108-90-7	Chlorobenzene	20	19.6	98	81-119
95-50-1	1,2-Dichlorobenzene	20	18.9	95	75-120
541-73-1	1,3-Dichlorobenzene	20	20.7	104	77-121
106-46-7	1,4-Dichlorobenzene	20	20.4	102	75-122
100-41-4	Ethylbenzene	20	20.6	103	81-126
1634-04-4	Methyl Tert Butyl Ether	20	19.8	99	76-117
108-88-3	Toluene	20	20.5	103	82-123
1330-20-7	Xylenes (total)	60	60.1	100	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	100%	70-123%
98-08-8	aaa-Trifluorotoluene	103%	73-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F24764-4MS	EF040473.D	1	06/23/04	CV	n/a	n/a	GEF3212
F24764-4MSD	EF040474.D	1	06/23/04	CV	n/a	n/a	GEF3212
F24764-4 [a]	EF040472.D	1	06/23/04	CV	n/a	n/a	GEF3212

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24764-2, F24764-4, F24764-5, F24764-6, F24764-7, F24764-8, F24764-9

CAS No.	Compound	F24764-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2.7		20	21.5	94	21.3	93	1	77-125/6
108-90-7	Chlorobenzene	ND		20	19.7	99	19.6	98	1	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	23.4	117	23.8	119	2	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	20.9	105	21.0	105	0	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	20.8	104	20.9	105	0	67-129/7
100-41-4	Ethylbenzene	32.2		20	53.8	108	53.5	107	1	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	19.7	99	19.6	98	1	66-127/9
108-88-3	Toluene	1.8		20	21.5	99	21.5	99	0	77-124/5
1330-20-7	Xylenes (total)	116		60	180	107	181	108	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F24764-4	Limits
352-33-0	1-Chloro-4-fluorobenzene	99%	87%	96%	70-123%
98-08-8	aaa-Trifluorotoluene	100%	90%	100%	73-122%

(a) All hits confirmed by dual column analysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F24764-10MS	EF040483.D	1	06/23/04	CV	n/a	n/a	GEF3213
F24764-10MSD	EF040484.D	1	06/23/04	CV	n/a	n/a	GEF3213
F24764-10	EF040482.D	1	06/23/04	CV	n/a	n/a	GEF3213

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24764-10, F24764-11, F24764-12

CAS No.	Compound	F24764-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	19.5	98	19.7	99	1	77-125/6
108-90-7	Chlorobenzene	ND		20	18.6	93	18.6	93	0	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	16.8	84	17.3	87	3	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	18.7	94	19.0	95	2	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	18.3	92	18.6	93	2	67-129/7
100-41-4	Ethylbenzene	ND		20	19.5	98	19.5	98	0	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	18.9	95	18.8	94	1	66-127/9
108-88-3	Toluene	ND		20	19.0	95	19.0	95	0	77-124/5
1330-20-7	Xylenes (total)	ND		60	56.4	94	56.2	94	0	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F24764-10	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%	95%	85%	70-123%
98-08-8	aaa-Trifluorotoluene	96%	98%	93%	73-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F24764-1MS	EF040525.D	5	06/24/04	CV	n/a	n/a	GEF3214
F24764-1MSD	EF040526.D	5	06/24/04	CV	n/a	n/a	GEF3214
F24764-1 [a]	EF040524.D	5	06/24/04	CV	n/a	n/a	GEF3214

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24764-1, F24764-3, F24764-13, F24764-14

CAS No.	Compound	F24764-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2.9	J	100	103	100	102	99	1	77-125/6
108-90-7	Chlorobenzene	ND		100	99.4	99	98.1	98	1	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		100	126	126*	126	126*	0	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		100	112	112	113	113	1	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		100	113	113	111	111	2	67-129/7
100-41-4	Ethylbenzene	81.1		100	177	96	176	95	1	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		100	109	109	104	104	5	66-127/9
108-88-3	Toluene	17.3		100	117	100	114	97	3	77-124/5
1330-20-7	Xylenes (total)	452		300	739	96	730	93	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F24764-1	Limits
352-33-0	1-Chloro-4-fluorobenzene	98%	98%	98%	70-123%
98-08-8	aaa-Trifluorotoluene	103%	102%	105%	73-122%

(a) All hits confirmed by dual column analysis.

Volatile Surrogate Recovery Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F24764-1	EF040524.D	98.0	105.0
F24764-2	EF040458.D	92.0	99.0
F24764-3	EF040511.D	94.0	98.0
F24764-4	EF040472.D	96.0	100.0
F24764-5	EF040459.D	90.0	98.0
F24764-6	EF040476.D	93.0	98.0
F24764-7	EF040477.D	85.0	92.0
F24764-8	EF040478.D	84.0	92.0
F24764-9	EF040479.D	86.0	94.0
F24764-10	EF040482.D	85.0	93.0
F24764-11	EF040485.D	87.0	95.0
F24764-12	EF040487.D	87.0	95.0
F24764-13	EF040509.D	95.0	99.0
F24764-14	EF040510.D	93.0	98.0
F24764-10MS	EF040483.D	94.0	96.0
F24764-10MSD	EF040484.D	95.0	98.0
F24764-1MS	EF040525.D	98.0	103.0
F24764-1MSD	EF040526.D	98.0	102.0
F24764-4MS	EF040473.D	99.0	100.0
F24764-4MSD	EF040474.D	87.0	90.0
GEF3212-BS	EF040454.D	96.0	100.0
GEF3212-MB	EF040455.D	88.0	94.0
GEF3213-BS	EF040480.D	93.0	96.0
GEF3213-MB	EF040481.D	86.0	94.0
GEF3214-BS	EF040507.D	100.0	103.0
GEF3214-MB	EF040508.D	92.0	99.0

Surrogate Compounds	Recovery Limits
S1 = 1-Chloro-4-fluorobenzene	70-123%
S2 = aaa-Trifluorotoluene	73-122%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3212-CC3177	**Injection Date:**	06/23/04
Lab File ID:	EF040453.D	**Injection Time:**	08:50
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.82	5.75

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF3212-BS	EF040454.D	06/23/04	09:15	8.82	5.75
GEF3212-MB	EF040455.D	06/23/04	09:40	8.83	5.75
ZZZZZZ	EF040456.D	06/23/04	10:06	8.82	5.75
ZZZZZZ	EF040457.D	06/23/04	10:32	8.82	5.75
F24764-2	EF040458.D	06/23/04	10:56	8.82	5.75
F24764-5	EF040459.D	06/23/04	11:21	8.82	5.75
ZZZZZZ	EF040460.D	06/23/04	11:45	8.82	5.75
ZZZZZZ	EF040461.D	06/23/04	12:10	8.82	5.75
ZZZZZZ	EF040462.D	06/23/04	12:37	8.82	5.75
ZZZZZZ	EF040463.D	06/23/04	13:03	8.82	5.75

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3212-CC3177	**Injection Date:**	06/23/04
Lab File ID:	EF040464.D	**Injection Time:**	13:28
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.82	5.75

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	EF040465.D	06/23/04	13:52	8.82	5.75
ZZZZZZ	EF040466.D	06/23/04	14:19	8.82	5.75
ZZZZZZ	EF040467.D	06/23/04	14:45	8.82	5.75
ZZZZZZ	EF040468.D	06/23/04	15:12	8.82	5.75
ZZZZZZ	EF040469.D	06/23/04	15:39	8.82	5.75
ZZZZZZ	EF040470.D	06/23/04	16:05	8.82	5.75
ZZZZZZ	EF040471.D	06/23/04	16:32	8.82	5.75
F24764-4	EF040472.D	06/23/04	16:57	8.82	5.75
F24764-4MS	EF040473.D	06/23/04	17:21	8.82	5.75
F24764-4MSD	EF040474.D	06/23/04	17:45	8.82	5.75

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3212-CC3177	**Injection Date:**	06/23/04
Lab File ID:	EF040475.D	**Injection Time:**	18:10
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.82	5.75

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F24764-6	EF040476.D	06/23/04	18:34	8.82	5.75
F24764-7	EF040477.D	06/23/04	18:58	8.82	5.75
F24764-8	EF040478.D	06/23/04	19:23	8.82	5.75
F24764-9	EF040479.D	06/23/04	19:47	8.82	5.75
GEF3213-BS	EF040480.D	06/23/04	20:11	8.82	5.75
GEF3213-MB	EF040481.D	06/23/04	20:35	8.82	5.75
F24764-10	EF040482.D	06/23/04	21:00	8.82	5.75
F24764-10MS	EF040483.D	06/23/04	21:24	8.82	5.75
F24764-10MSD	EF040484.D	06/23/04	21:48	8.82	5.75
F24764-11	EF040485.D	06/23/04	22:12	8.83	5.75

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3213-CC3177	**Injection Date:**	06/23/04
Lab File ID:	EF040486.D	**Injection Time:**	22:36
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.82	5.75

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F24764-12	EF040487.D	06/23/04	23:01	8.82	5.75
ZZZZZZ	EF040490.D	06/24/04	00:14	8.83	5.75
ZZZZZZ	EF040491.D	06/24/04	00:41	8.83	5.75
ZZZZZZ	EF040492.D	06/24/04	01:08	8.83	5.75
ZZZZZZ	EF040493.D	06/24/04	01:35	8.82	5.75
ZZZZZZ	EF040494.D	06/24/04	02:01	8.82	5.75
ZZZZZZ	EF040495.D	06/24/04	02:28	8.82	5.75
ZZZZZZ	EF040496.D	06/24/04	02:55	8.82	5.75

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3214-CC3177	**Injection Date:**	06/24/04
Lab File ID:	EF040506.D	**Injection Time:**	08:42
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.83	5.75

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF3214-BS	EF040507.D	06/24/04	09:07	8.82	5.75
GEF3215-BS	EF040507.D	06/24/04	09:07	8.82	5.75
GEF3214-MB	EF040508.D	06/24/04	09:31	8.82	5.75
GEF3215-MB	EF040508.D	06/24/04	09:31	8.82	5.75
F24764-13	EF040509.D	06/24/04	09:56	8.82	5.75
F24764-14	EF040510.D	06/24/04	10:20	8.83	5.75
F24764-3	EF040511.D	06/24/04	10:45	8.82	5.75
ZZZZZZ	EF040512.D	06/24/04	11:09	8.82	5.75
ZZZZZZ	EF040513.D	06/24/04	11:34	8.82	5.75
ZZZZZZ	EF040514.D	06/24/04	11:58	8.83	5.75
ZZZZZZ	EF040515.D	06/24/04	12:23	8.83	5.75
ZZZZZZ	EF040516.D	06/24/04	12:47	8.83	5.75

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3214-CC3177	**Injection Date:**	06/24/04
Lab File ID:	EF040517.D	**Injection Time:**	13:12
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.82	5.75

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	EF040518.D	06/24/04	13:36	8.83	5.75
ZZZZZZ	EF040519.D	06/24/04	14:01	8.82	5.75
ZZZZZZ	EF040520.D	06/24/04	14:25	8.82	5.75
ZZZZZZ	EF040521.D	06/24/04	14:50	8.82	5.75
ZZZZZZ	EF040522.D	06/24/04	15:17	8.82	5.74
ZZZZZZ	EF040523.D	06/24/04	15:44	8.82	5.75
F24764-1	EF040524.D	06/24/04	16:08	8.82	5.75
F24764-1MS	EF040525.D	06/24/04	16:33	8.82	5.75
F24764-1MSD	EF040526.D	06/24/04	16:57	8.82	5.75

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3177-ICC3177
Lab FileID: EF039601.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu May 13 10:43:45 2004
Response via : Initial Calibration

Calibration Files
1 =EF039599.D 2 =EF039600.D 3 =EF039601.D
4 =EF039602.D 5 =EF039603.D 6 =EF039604.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)		Methyl tert Butyl E		1.962	1.959	2.049	1.994	2.152	2.023 E3	3.97
2)		Di-Isopropyl ether	2.791	2.951	2.972	3.041	3.068	3.170	2.999 E3	4.27
3)		Benzene	6.799	6.242	6.233	6.388	6.501	6.676	6.473 E3	3.57
4)	S	a,a,a-TFT(S)	1.892	1.858	1.900	2.035	2.123	2.148	1.993 E3	6.32
5)		Toluene	6.339	5.343	5.402	5.536	5.642	5.820	5.681 E3	6.43
6)	S	1-Chloro-4-Fluorobe	2.946	2.875	2.950	3.229	3.362	3.373	3.122 E3	7.22
7)		Chlorobenzene		5.528	5.329	5.434	5.552	5.691	5.507 E3	2.46
8)		Ethylbenzene		4.764	4.546	4.601	4.659	4.742	4.662 E3	1.98
9)		m,p-Xylene		4.960	5.019	5.111	5.209	5.326	5.125 E3	2.87
10)		o-Xylene	5.253	4.449	4.546	4.554	4.652	4.742	4.699 E3	6.15
11)		1,3-Dichlorobenzene	3.529	3.433	3.822	3.930	4.101	4.223	3.840 E3	8.11
12)		1,4-Dichlorobenzene	3.641	3.679	4.081	4.247	4.404	4.564	4.103 E3	9.23
13)		1,2-Dichlorobenzene		2.499	2.679	2.822	2.931	2.999	2.786 E3	7.21

Signal #2

1)		Methyl tert Butyl E		1.561	1.659	1.693	1.616	1.714	1.648 E3	3.72
2)		Di-Isopropyl ether	2.338	2.302	2.349	2.424	2.393	2.453	2.376 E3	2.39
3)		Benzene	5.264	5.010	5.092	5.157	5.228	5.368	5.187 E3	2.47
4)	S	a,a,a-TFT(S)	1.454	1.442	1.488	1.596	1.638	1.651	1.545 E3	6.11
5)		Toluene	4.826	4.222	4.360	4.442	4.462	4.608	4.487 E3	4.66
6)	S	1-Chloro-4-Fluorobe	2.145	2.122	2.244	2.477	2.539	2.546	2.346 E3	8.43
7)		Chlorobenzene		4.867	4.465	4.500	4.477	4.580	4.578 E3	3.66
8)		Ethylbenzene		3.809	3.819	3.823	3.874	3.930	3.851 E3	1.32
9)		m,p-Xylene		4.189	4.227	4.233	4.274	4.362	4.257 E3	1.55
10)		o-Xylene	3.887	3.472	3.625	3.622	3.627	3.699	3.656 E3	3.71
11)		1,3-Dichlorobenzene		2.680	2.981	3.102	3.167	3.261	3.038 E3	7.40
12)		1,4-Dichlorobenzene		2.727	3.059	3.173	3.240	3.341	3.108 E3	7.61
13)		1,2-Dichlorobenzene	1.975	2.005	2.189	2.283	2.351	2.410	2.202 E3	8.19

(#) = Out of Range

DUAL0603.M Fri Jun 04 08:31:14 2004 EF

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3212-CC3177
Lab FileID: EF040453.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062304\EF040453.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\062304\EF040453.D\FID2B.CH
Acq On : 23 Jun 2004 8:50 am Operator: ClaireV
Sample : cc3177-40 Inst : VOA1
Misc : gc3627,gef3212,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	41.212	-3.0	102	0.02
2		Di-Isopropyl ether	40.000	40.678	-1.7	100	0.02
3		Benzene	40.000	39.604	1.0	100	0.02
4	S	a,a,a-TFT(S)	20.000	19.934	0.3	98	0.03
5		Toluene	40.000	39.146	2.1	100	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.571	2.1	95	0.03
7		Chlorobenzene	40.000	39.703	0.7	101	0.03
8		Ethylbenzene	40.000	40.057	-0.1	101	0.03
9		m,p-Xylene	80.000	81.363	-1.7	102	0.03
10		o-Xylene	40.000	39.228	1.9	101	0.03
11		1,3-Dichlorobenzene	40.000	42.655	-6.6	104	0.03
12		1,4-Dichlorobenzene	40.000	43.158	-7.9	104	0.03
13		1,2-Dichlorobenzene	40.000	38.329	4.2	95	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	40.576	-1.4	99	0.02
2		Di-Isopropyl ether	40.000	39.764	0.6	97	0.02
3		Benzene	40.000	39.507	1.2	99	0.02
4	S	a,a,a-TFT(S)	20.000	19.732	1.3	95	0.02
5		Toluene	40.000	39.267	1.8	99	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.320	3.4	91	0.02
7		Chlorobenzene	40.000	38.570	3.6	98	0.02
8		Ethylbenzene	40.000	40.232	-0.6	101	0.02
9		m,p-Xylene	80.000	80.358	-0.4	101	0.03
10		o-Xylene	40.000	39.682	0.8	100	0.02
11		1,3-Dichlorobenzene	40.000	42.572	-6.4	104	0.03
12		1,4-Dichlorobenzene	40.000	42.121	-5.3	103	0.03
13		1,2-Dichlorobenzene	40.000	39.761	0.6	96	0.02

Average % D = 2.4

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039602.D DUAL0603.M Wed Jun 23 14:40:47 2004 EF

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3212-CC3177
Lab FileID: EF040464.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062304\EF040464.D\FID1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\062304\EF040464.D\FID2B.CH
Acq On : 23 Jun 2004 1:28 pm Operator: ClaireV
Sample : cc3177-20 Inst : VOA1
Misc : gc3627,gef3212,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.128	-5.6	109	0.02
2		Di-Isopropyl ether	20.000	21.018	-5.1	106	0.02
3		Benzene	20.000	20.345	-1.7	106	0.02
4	S	a,a,a-TFT(S)	20.000	20.864	-4.3	109	0.03
5		Toluene	20.000	19.928	0.4	105	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.903	0.5	105	0.03
7		Chlorobenzene	20.000	19.986	0.1	103	0.03
8		Ethylbenzene	20.000	20.354	-1.8	104	0.03
9		m,p-Xylene	40.000	41.208	-3.0	105	0.03
10		o-Xylene	20.000	19.845	0.8	103	0.03
11		1,3-Dichlorobenzene	20.000	20.752	-3.8	104	0.03
12		1,4-Dichlorobenzene	20.000	20.762	-3.8	104	0.03
13		1,2-Dichlorobenzene	20.000	18.428	7.9	96	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.590	-2.9	102	0.02
2		Di-Isopropyl ether	20.000	20.617	-3.1	104	0.02
3		Benzene	20.000	20.428	-2.1	104	0.02
4	S	a,a,a-TFT(S)	20.000	20.746	-3.7	108	0.02
5		Toluene	20.000	20.160	-0.8	104	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.828	0.9	104	0.03
7		Chlorobenzene	20.000	19.971	0.1	102	0.03
8		Ethylbenzene	20.000	20.598	-3.0	104	0.03
9		m,p-Xylene	40.000	40.742	-1.9	103	0.03
10		o-Xylene	20.000	20.067	-0.3	101	0.03
11		1,3-Dichlorobenzene	20.000	20.531	-2.7	105	0.03
12		1,4-Dichlorobenzene	20.000	20.282	-1.4	103	0.03
13		1,2-Dichlorobenzene	20.000	18.634	6.8	94	0.03

Average % D = 2.6

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039601.D DUAL0603.M Wed Jun 23 14:41:08 2004 EF

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3212-CC3177
Lab FileID: EF040475.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062304\EF040475.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\062304\EF040475.D\FID2B.CH
Acq On : 23 Jun 2004 6:10 pm Operator: ClaireV
Sample : cc3177-20 Inst : VOA1
Misc : gc3638,gef3212,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.932	-4.7	108	0.02
2		Di-Isopropyl ether	20.000	20.393	-2.0	103	0.02
3		Benzene	20.000	19.368	3.2	101	0.02
4	S	a,a,a-TFT(S)	20.000	19.494	2.5	102	0.02
5		Toluene	20.000	18.816	5.9	99	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.157	4.2	101	0.03
7		Chlorobenzene	20.000	19.423	2.9	100	0.03
8		Ethylbenzene	20.000	19.846	0.8	102	0.03
9		m,p-Xylene	40.000	40.034	-0.1	102	0.03
10		o-Xylene	20.000	19.507	2.5	101	0.03
11		1,3-Dichlorobenzene	20.000	20.293	-1.5	102	0.03
12		1,4-Dichlorobenzene	20.000	20.387	-1.9	102	0.03
13		1,2-Dichlorobenzene	20.000	18.430	7.9	96	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.306	-1.5	101	0.01
2		Di-Isopropyl ether	20.000	20.066	-0.3	101	0.01
3		Benzene	20.000	19.419	2.9	99	0.02
4	S	a,a,a-TFT(S)	20.000	19.313	3.4	100	0.02
5		Toluene	20.000	19.121	4.4	98	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.969	5.2	99	0.02
7		Chlorobenzene	20.000	19.252	3.7	99	0.02
8		Ethylbenzene	20.000	19.931	0.3	101	0.02
9		m,p-Xylene	40.000	39.100	2.2	98	0.02
10		o-Xylene	20.000	19.510	2.4	98	0.02
11		1,3-Dichlorobenzene	20.000	19.833	0.8	101	0.03
12		1,4-Dichlorobenzene	20.000	19.951	0.2	101	0.03
13		1,2-Dichlorobenzene	20.000	18.351	8.2	92	0.02

Average % D = 2.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039601.D DUAL0603.M Thu Jun 24 09:02:05 2004 EF

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3213-CC3177
Lab FileID: EF040486.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062304\EF040486.D\FID1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA\062304\EF040486.D\FID2B.CH
Acq On : 23 Jun 2004 10:36 pm Operator: ClaireV
Sample : cc3177-20 Inst : VOA1
Misc : gc3638,gef3213,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.000	-5.0	108	0.02
2		Di-Isopropyl ether	20.000	20.995	-5.0	106	0.02
3		Benzene	20.000	19.179	4.1	100	0.03
4	S	a,a,a-TFT(S)	20.000	19.879	0.6	104	0.03
5		Toluene	20.000	18.479	7.6	97	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.945	5.3	100	0.03
7		Chlorobenzene	20.000	19.323	3.4	100	0.03
8		Ethylbenzene	20.000	19.953	0.2	102	0.03
9		m,p-Xylene	40.000	40.149	-0.4	102	0.03
10		o-Xylene	20.000	19.572	2.1	101	0.03
11		1,3-Dichlorobenzene	20.000	20.413	-2.1	103	0.04
12		1,4-Dichlorobenzene	20.000	20.468	-2.3	103	0.04
13		1,2-Dichlorobenzene	20.000	18.456	7.7	96	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.373	-1.9	101	0.02
2		Di-Isopropyl ether	20.000	20.460	-2.3	103	0.02
3		Benzene	20.000	19.287	3.6	98	0.02
4	S	a,a,a-TFT(S)	20.000	19.642	1.8	102	0.02
5		Toluene	20.000	18.630	6.9	96	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	18.873	5.6	99	0.03
7		Chlorobenzene	20.000	19.187	4.1	98	0.03
8		Ethylbenzene	20.000	20.012	-0.1	101	0.03
9		m,p-Xylene	40.000	39.372	1.6	99	0.03
10		o-Xylene	20.000	19.668	1.7	99	0.03
11		1,3-Dichlorobenzene	20.000	20.291	-1.5	103	0.03
12		1,4-Dichlorobenzene	20.000	20.089	-0.4	102	0.03
13		1,2-Dichlorobenzene	20.000	18.474	7.6	93	0.03

Average % D = 3.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039601.D DUAL0603.M Thu Jun 24 09:02:06 2004 EF

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3213-CC3177
Lab FileID: EF040497.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062304\EF040497.D\FID1A.CH Vial: 43
Signal #2 : C:\HPCHEM\1\DATA\062304\EF040497.D\FID2B.CH
Acq On : 24 Jun 2004 3:19 am Operator: ClaireV
Sample : cc3177-20 Inst : VOA1
Misc : gc3638,gef3213,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.205	-6.0	109	0.02
2		Di-Isopropyl ether	20.000	20.141	-0.7	102	0.02
3		Benzene	20.000	19.421	2.9	101	0.03
4	S	a,a,a-TFT(S)	20.000	20.007	-0.0	105	0.03
5		Toluene	20.000	27.810	-39.1#	146	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.347	3.3	102	0.03
7		Chlorobenzene	20.000	19.313	3.4	100	0.03
8		Ethylbenzene	20.000	20.071	-0.4	103	0.03
9		m,p-Xylene	40.000	41.595	-4.0	106	0.03
10		o-Xylene	20.000	20.140	-0.7	104	0.03
11		1,3-Dichlorobenzene	20.000	19.491	2.5	98	0.04
12		1,4-Dichlorobenzene	20.000	19.422	2.9	98	0.04
13		1,2-Dichlorobenzene	20.000	17.322	13.4	90	0.04

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.350	-1.8	101	0.01
2		Di-Isopropyl ether	20.000	19.595	2.0	99	0.02
3		Benzene	20.000	19.288	3.6	98	0.02
4	S	a,a,a-TFT(S)	20.000	19.544	2.3	101	0.02
5		Toluene	20.000	27.760	-38.8#	143	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.151	4.2	100	0.03
7		Chlorobenzene	20.000	19.153	4.2	98	0.03
8		Ethylbenzene	20.000	20.105	-0.5	101	0.03
9		m,p-Xylene	40.000	40.980	-2.4	103	0.03
10		o-Xylene	20.000	20.166	-0.8	102	0.03
11		1,3-Dichlorobenzene	20.000	19.307	3.5	98	0.03
12		1,4-Dichlorobenzene	20.000	19.210	3.9	98	0.03
13		1,2-Dichlorobenzene	20.000	17.495	12.5	88	0.03

Average % D = 6.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039601.D DUAL0603.M Thu Jun 24 09:02:07 2004 EF

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3214-CC3177
Lab FileID: EF040506.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062404\EF040506.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\062404\EF040506.D\FID2B.CH
Acq On : 24 Jun 2004 8:42 am Operator: ClaireV
Sample : cc3177-40 Inst : VOA1
Misc : gc3632,gef3214,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	38.018	5.0	94	0.03
2		Di-Isopropyl ether	40.000	41.230	-3.1	102	0.03
3		Benzene	40.000	41.008	-2.5	104	0.03
4	S	a,a,a-TFT(S)	20.000	20.076	-0.4	98	0.03
5		Toluene	40.000	42.304	-5.8	109	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	20.064	-0.3	97	0.04
7		Chlorobenzene	40.000	41.116	-2.8	104	0.04
8		Ethylbenzene	40.000	42.156	-5.4	107	0.03
9		m,p-Xylene	80.000	85.475	-6.8	107	0.03
10		o-Xylene	40.000	40.959	-2.4	106	0.03
11		1,3-Dichlorobenzene	40.000	44.474	-11.2	109	0.04
12		1,4-Dichlorobenzene	40.000	44.757	-11.9	108	0.04
13		1,2-Dichlorobenzene	40.000	38.993	2.5	96	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	37.699	5.8	92	0.02
2		Di-Isopropyl ether	40.000	40.131	-0.3	98	0.02
3		Benzene	40.000	40.497	-1.2	102	0.02
4	S	a,a,a-TFT(S)	20.000	19.521	2.4	94	0.03
5		Toluene	40.000	41.662	-4.2	105	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.774	1.1	94	0.03
7		Chlorobenzene	40.000	40.144	-0.4	102	0.03
8		Ethylbenzene	40.000	41.665	-4.2	105	0.03
9		m,p-Xylene	80.000	83.993	-5.0	106	0.03
10		o-Xylene	40.000	41.169	-2.9	104	0.03
11		1,3-Dichlorobenzene	40.000	44.052	-10.1	108	0.03
12		1,4-Dichlorobenzene	40.000	43.452	-8.6	106	0.03
13		1,2-Dichlorobenzene	40.000	40.662	-1.7	98	0.03

Average % D = 4.1

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039602.D DUAL0603.M Fri Jun 25 08:45:27 2004 EF

Continuing Calibration Summary

Job Number: F24764 **Sample:** GEF3214-CC3177
Account: EEINCJX EEI **Lab FileID:** EF040517.D
Project: Camp Lejeune-Bldg 645

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062404\EF040517.D\FID1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\062404\EF040517.D\FID2B.CH
Acq On : 24 Jun 2004 1:12 pm Operator: ClaireV
Sample : cc3177-20 Inst : VOA1
Misc : gc3632,gef3214,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.989	-4.9	108	0.02
2		Di-Isopropyl ether	20.000	20.553	-2.8	104	0.02
3		Benzene	20.000	19.269	3.7	100	0.02
4	S	a,a,a-TFT(S)	20.000	20.436	-2.2	107	0.03
5		Toluene	20.000	19.078	4.6	100	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.891	0.5	105	0.03
7		Chlorobenzene	20.000	19.445	2.8	100	0.03
8		Ethylbenzene	20.000	19.754	1.2	101	0.03
9		m,p-Xylene	40.000	39.936	0.2	102	0.03
10		o-Xylene	20.000	19.194	4.0	99	0.03
11		1,3-Dichlorobenzene	20.000	20.860	-4.3	105	0.03
12		1,4-Dichlorobenzene	20.000	20.753	-3.8	104	0.03
13		1,2-Dichlorobenzene	20.000	18.333	8.3	95	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.695	-3.5	103	0.01
2		Di-Isopropyl ether	20.000	20.334	-1.7	103	0.02
3		Benzene	20.000	19.567	2.2	100	0.02
4	S	a,a,a-TFT(S)	20.000	20.545	-2.7	107	0.02
5		Toluene	20.000	19.339	3.3	100	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.867	0.7	104	0.03
7		Chlorobenzene	20.000	19.355	3.2	99	0.03
8		Ethylbenzene	20.000	20.010	-0.1	101	0.03
9		m,p-Xylene	40.000	39.538	1.2	100	0.03
10		o-Xylene	20.000	19.532	2.3	98	0.03
11		1,3-Dichlorobenzene	20.000	20.698	-3.5	105	0.03
12		1,4-Dichlorobenzene	20.000	20.428	-2.1	104	0.03
13		1,2-Dichlorobenzene	20.000	18.730	6.3	94	0.03

Average % D = 2.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039601.D DUAL0603.M Fri Jun 25 08:45:55 2004 EF

Continuing Calibration Summary

Job Number: F24764
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3214-CC3177
Lab FileID: EF040527.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062404\EF040527.D\FID1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA\062404\EF040527.D\FID2B.CH
Acq On : 24 Jun 2004 5:22 pm Operator: ClaireV
Sample : cc3177-20 Inst : VOA1
Misc : gc3638,gef3214,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.530	-2.7	106	0.02
2		Di-Isopropyl ether	20.000	19.799	1.0	100	0.02
3		Benzene	20.000	18.071	9.6	94	0.03
4	S	a,a,a-TFT(S)	20.000	19.503	2.5	102	0.03
5		Toluene	20.000	17.963	10.2	94	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.021	4.9	101	0.03
7		Chlorobenzene	20.000	18.800	6.0	97	0.03
8		Ethylbenzene	20.000	19.178	4.1	98	0.03
9		m,p-Xylene	40.000	39.330	1.7	100	0.03
10		o-Xylene	20.000	18.877	5.6	98	0.03
11		1,3-Dichlorobenzene	20.000	20.467	-2.3	103	0.03
12		1,4-Dichlorobenzene	20.000	20.768	-3.8	104	0.03
13		1,2-Dichlorobenzene	20.000	18.118	9.4	94	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.030	-0.2	100	0.02
2		Di-Isopropyl ether	20.000	19.537	2.3	99	0.02
3		Benzene	20.000	18.248	8.8	93	0.02
4	S	a,a,a-TFT(S)	20.000	19.210	3.9	100	0.02
5		Toluene	20.000	18.048	9.8	93	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	18.755	6.2	98	0.03
7		Chlorobenzene	20.000	18.756	6.2	96	0.03
8		Ethylbenzene	20.000	19.273	3.6	97	0.03
9		m,p-Xylene	40.000	38.873	2.8	98	0.03
10		o-Xylene	20.000	19.151	4.2	97	0.03
11		1,3-Dichlorobenzene	20.000	20.352	-1.8	104	0.03
12		1,4-Dichlorobenzene	20.000	20.255	-1.3	103	0.03
13		1,2-Dichlorobenzene	20.000	18.588	7.1	94	0.03

Average % D = 4.7

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039601.D DUAL0603.M Fri Jun 25 08:45:56 2004 EF

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F24831

Sampling Date: 06/14/04

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **61**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F24831

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F24831-1	06/14/04	16:35	BS	06/16/04	AQ	Ground Water	UST645-MW04
F24831-2	06/14/04	16:03	BS	06/16/04	AQ	Ground Water	UST645-MW19
F24831-3	06/14/04	15:30	BS	06/16/04	AQ	Ground Water	UST645-MW20
F24831-4	06/14/04	10:50	BS	06/16/04	AQ	Ground Water	UST645-MW06
F24831-5	06/14/04	10:20	BS	06/16/04	AQ	Ground Water	UST645-MW18
F24831-6	06/14/04	11:35	BS	06/16/04	AQ	Ground Water	UST645-MW05
F24831-7	06/14/04	12:05	BS	06/16/04	AQ	Ground Water	UST645-MW17
F24831-8	06/14/04	12:50	BS	06/16/04	AQ	Ground Water	UST645-MW14
F24831-9	06/14/04	13:27	BS	06/16/04	AQ	Ground Water	UST645-MW07
F24831-10	06/14/04	14:08	BS	06/16/04	AQ	Ground Water	UST645-MW10
F24831-11	06/14/04	15:05	BS	06/16/04	AQ	Ground Water	UST645-MW16
F24831-12	06/14/04	00:00	BS	06/16/04	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EEI **Job No:** F24831

Site: Camp Lejeune-Bldg 645 **Report Date** 7/1/04 11:46:53 AM

11 Samples and 1 Trip Blank were collected on 06/14/2004 and were received at Accutest on 06/16/2004 properly preserved, at 4.2 Deg. C and intact. These Samples received an Accutest job number of F24831. 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.

Extractables by GCMS By Method EPA 625

Matrix: AQ **Batch ID:** OP10733

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F24831-6MS, F24831-6MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoverys for Chrysene, Pyrene are outside control limits. Method may be biased slightly high, but all samples are ND.

Matrix Spike Recoverys for Benzo(a)anthracene, Chrysene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery for Indeno(1,2,3-cd)pyrene is outside control limits. Probable cause due to matrix interference.

Volatiles by GC By Method EPA 601/602

Matrix: AQ **Batch ID:** GEF3220

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F24831-5MS, F24831-5MSD were used as the QC samples indicated.

RPD for MSD for 1,2-Dichlorobenzene is outside control limits for sample F24831-5MSD. Probable cause: sample nonhomogeneity.

F24831-5: All hits confirmed by dual column analysis.

F24831-12: All hits confirmed by dual column analysis.

F24831-10: All hits confirmed by dual column analysis.

F24831-1: All hits confirmed by dual column analysis.

F24831-9: All hits confirmed by dual column analysis.

F24831-7: All hits confirmed by dual column analysis.

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: July 1, 2004

Ellen Pampel, Inorganic QA (signature on file)

Report of Analysis

Client Sample ID:	UST645-MW04		
Lab Sample ID:	F24831-1	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022125.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		49-119%
321-60-8	2-Fluorobiphenyl	71%		45-118%
1718-51-0	Terphenyl-d14	97%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW04		
Lab Sample ID:	F24831-1	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040655.D	1	06/26/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.1	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	98%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW19		
Lab Sample ID:	F24831-2	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022126.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		49-119%
321-60-8	2-Fluorobiphenyl	85%		45-118%
1718-51-0	Terphenyl-d14	96%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW19		
Lab Sample ID:	F24831-2	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040656.D	1	06/27/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	86%		70-123%
98-08-8	aaa-Trifluorotoluene	93%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW20		
Lab Sample ID:	F24831-3	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022127.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		49-119%
321-60-8	2-Fluorobiphenyl	70%		45-118%
1718-51-0	Terphenyl-d14	108%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW20		
Lab Sample ID:	F24831-3	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040657.D	1	06/27/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	86%		70-123%
98-08-8	aaa-Trifluorotoluene	93%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW06		
Lab Sample ID:	F24831-4	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022128.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		49-119%
321-60-8	2-Fluorobiphenyl	75%		45-118%
1718-51-0	Terphenyl-d14	110%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW06		
Lab Sample ID:	F24831-4	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040658.D	1	06/27/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	86%		70-123%
98-08-8	aaa-Trifluorotoluene	93%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F24831-5	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022129.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	12.0	5.0	1.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		49-119%
321-60-8	2-Fluorobiphenyl	86%		45-118%
1718-51-0	Terphenyl-d14	116%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F24831-5	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040650.D	1	06/26/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	5.6	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	8.5	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	32.4	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	20.0	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	93%		70-123%
98-08-8	aaa-Trifluorotoluene	98%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW05		
Lab Sample ID:	F24831-6	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022130.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		49-119%
321-60-8	2-Fluorobiphenyl	81%		45-118%
1718-51-0	Terphenyl-d14	110%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW05		
Lab Sample ID:	F24831-6	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040659.D	1	06/27/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	86%		70-123%
98-08-8	aaa-Trifluorotoluene	92%		73-122%

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

Report of Analysis

Client Sample ID: UST645-MW17
Lab Sample ID: F24831-7
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/14/04
Date Received: 06/16/04
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022131.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		49-119%
321-60-8	2-Fluorobiphenyl	85%		45-118%
1718-51-0	Terphenyl-d14	108%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW17		
Lab Sample ID:	F24831-7	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040660.D	1	06/27/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.72	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	89%		70-123%
98-08-8	aaa-Trifluorotoluene	97%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW14		
Lab Sample ID:	F24831-8	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022134.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		49-119%
321-60-8	2-Fluorobiphenyl	81%		45-118%
1718-51-0	Terphenyl-d14	110%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW14		
Lab Sample ID:	F24831-8	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040661.D	1	06/27/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	88%		70-123%
98-08-8	aaa-Trifluorotoluene	96%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW07		
Lab Sample ID:	F24831-9	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022135.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		49-119%
321-60-8	2-Fluorobiphenyl	86%		45-118%
1718-51-0	Terphenyl-d14	110%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW07		
Lab Sample ID:	F24831-9	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040662.D	1	06/27/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.79	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	4.1	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	96%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW10		
Lab Sample ID:	F24831-10	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022136.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	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	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	1.0	ug/l	
218-01-9	Chrysene	ND	5.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	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	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		49-119%
321-60-8	2-Fluorobiphenyl	86%		45-118%
1718-51-0	Terphenyl-d14	114%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW10		
Lab Sample ID:	F24831-10	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040663.D	1	06/27/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.4	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	88%		70-123%
98-08-8	aaa-Trifluorotoluene	96%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW16		
Lab Sample ID:	F24831-11	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L022137.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		49-119%
321-60-8	2-Fluorobiphenyl	80%		45-118%
1718-51-0	Terphenyl-d14	108%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW16		
Lab Sample ID:	F24831-11	**Date Sampled:**	06/14/04
Matrix:	AQ - Ground Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF040664.D	1	06/27/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	86%		70-123%
98-08-8	aaa-Trifluorotoluene	94%		73-122%

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F24831-12	**Date Sampled:**	06/14/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF040653.D	1	06/26/04	CV	n/a	n/a	GEF3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.93	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	87%		70-123%
98-08-8	aaa-Trifluorotoluene	94%		73-122%

(a) All hits confirmed by dual column analysis.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:
ACCUTEST QUOTE #: F24831

CLIENT INFORMATION

NAME: Engineering + Environment Inc
ADDRESS: 824 Gumbranch rd Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO:
PHONE #: 910-989-3214

FACILITY INFORMATION

PROJECT NAME: Building 645
LOCATION:
PROJECT NO.:
FAX #: 910-989-3341

ANALYTICAL INFORMATION

602
625

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	602	625	LAB USE ONLY
1	45T645-MW04	6-14-04	16:35	BS	GW	5	X				X	3	2	
2	45T645-MW19	6-14-04	16:03	BS	GW	5	X				X	3	2	
3	45T645-MW20	6-14-04	15:30	BS	GW	5	X				X	3	2	
4	45T645-MW06	6-14-04	10:50	BS	GW	5	X				X	3	2	
5	45T645-MW18	6-14-04	10:20	BS	GW	5	X				X	3	2	
6	45T645-MW05	6-14-04	11:35	BS	GW	5	X				X	3	2	
7	45T645-MW17	6-14-04	12:05	BS	GW	5	X				X	3	2	
8	45T645-MW14	6-14-04	12:50	BS	GW	5	X				X	3	2	
9	45T645-MW07	6-14-04	13:27	BS	GW	5	X				X	3	2	
10	45T645-MW10	6-14-04	14:04	BS	GW	5	X				X	3	2	
11	45T645-MW16	6-14-04	15:05	BS	GW	5	X				X	3	2	
12	Trip Blank	6-15-04	08:45											

DATA TURNAROUND INFORMATION

☑ STANDARD
☐ 48 HOUR RUSH
☐ 24 HOUR EMERGENCY
☐ OTHER _____
APPROVED BY: _____ _____

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☑ OTHER (SPECIFY) Nccsa 4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:
1. Bob Gallo	8:45 6-15-04	1. FED EX
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
5.		5.

RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
2. FED Ex	6/16/04 09:00	2. Jeff Mistkaff
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
4.		4.

SEAL # | PRESERVE WHERE APPLICABLE ☐ | ON ICE ☐ | TEMPERATURE 3.8/4.2°C

F24831: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F24831

Client: ENGINEERING ENVIRONMENTAL Project: BLDG 645

Date Received: 6/16/04 Time Received: 09:00

# of Coolers Received: 2 Cooler Temperatures: 3.8 4.2

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

Air Bill Number: _____

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

Summary of Comments: _____

Signature: Carlos Diaz Date: 6/16/04

Review Signature: _____

ASBD 12/30/03

F24831: Chain of Custody
Page 2 of 2

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10733-MB	L022124.D	1	06/29/04	ME	06/21/04	OP10733	SL1184

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

F24831-1, F24831-2, F24831-3, F24831-4, F24831-5, F24831-6, F24831-7, F24831-8, F24831-9, F24831-10, F24831-11

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

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	78%	49-119%
321-60-8	2-Fluorobiphenyl	76%	45-118%
1718-51-0	Terphenyl-d14	105%	46-135%

Blank Spike Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10733-BS	L022123.D	1	06/28/04	ME	06/21/04	OP10733	SL1184

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

F24831-1, F24831-2, F24831-3, F24831-4, F24831-5, F24831-6, F24831-7, F24831-8, F24831-9, F24831-10, F24831-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	46.9	94	69-101
208-96-8	Acenaphthylene	50	44.1	88	75-113
120-12-7	Anthracene	50	48.1	96	75-107
56-55-3	Benzo(a)anthracene	50	52.3	105	73-106
50-32-8	Benzo(a)pyrene	50	40.4	81	75-114
205-99-2	Benzo(b)fluoranthene	50	40.8	82	73-110
191-24-2	Benzo(g,h,i)perylene	50	37.7	75	63-115
207-08-9	Benzo(k)fluoranthene	50	42.2	84	73-112
218-01-9	Chrysene	50	53.5	107*	73-103
53-70-3	Dibenzo(a,h)anthracene	50	40.1	80	63-115
206-44-0	Fluoranthene	50	46.6	93	73-111
86-73-7	Fluorene	50	47.7	95	70-105
193-39-5	Indeno(1,2,3-cd)pyrene	50	37.7	75	63-118
90-12-0	1-Methylnaphthalene	50	43.9	88	63-99
91-57-6	2-Methylnaphthalene	50	42.9	86	66-100
91-20-3	Naphthalene	50	44.6	89	67-101
85-01-8	Phenanthrene	50	49.0	98	73-104
129-00-0	Pyrene	50	53.7	107*	69-105

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	87%	49-119%
321-60-8	2-Fluorobiphenyl	89%	45-118%
1718-51-0	Terphenyl-d14	111%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP10733-MS	L022132.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
OP10733-MSD	L022133.D	1	06/29/04	ME	06/21/04	OP10733	SL1184
F24831-6	L022130.D	1	06/29/04	ME	06/21/04	OP10733	SL1184

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

F24831-1, F24831-2, F24831-3, F24831-4, F24831-5, F24831-6, F24831-7, F24831-8, F24831-9, F24831-10, F24831-11

CAS No.	Compound	F24831-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		102	96.8	95	82.4	81	16	60-103/20
208-96-8	Acenaphthylene	ND		102	91.3	89	79.2	78	14	67-113/20
120-12-7	Anthracene	ND		102	98.1	96	85.9	84	13	71-105/14
56-55-3	Benzo(a)anthracene	ND		102	106	104*	92.9	91	13	70-103/16
50-32-8	Benzo(a)pyrene	ND		102	81.1	79	72.9	71	11	70-113/16
205-99-2	Benzo(b)fluoranthene	ND		102	83.1	81	73.4	72	12	67-110/17
191-24-2	Benzo(g,h,i)perylene	ND		102	78.3	77	66.1	65	17	63-111/17
207-08-9	Benzo(k)fluoranthene	ND		102	82.3	81	73.4	72	11	68-110/17
218-01-9	Chrysene	ND		102	111	109*	95.5	94	15	70-100/18
53-70-3	Dibenzo(a,h)anthracene	ND		102	81.5	80	71.1	70	14	62-111/20
206-44-0	Fluoranthene	ND		102	96.6	95	83.5	82	15	67-108/17
86-73-7	Fluorene	ND		102	98.2	96	87.7	86	11	65-105/17
193-39-5	Indeno(1,2,3-cd)pyrene	ND		102	74.7	73	66.8	65*	11	66-111/19
90-12-0	1-Methylnaphthalene	ND		102	93.0	91	76.4	75	20	55-97/23
91-57-6	2-Methylnaphthalene	ND		102	91.5	90	74.5	73	20	56-100/23
91-20-3	Naphthalene	ND		102	94.0	92	75.3	74	22	52-102/23
85-01-8	Phenanthrene	ND		102	99.5	98	86.8	85	14	69-103/15
129-00-0	Pyrene	ND		102	107	105	94.1	92	13	64-107/21

CAS No.	Surrogate Recoveries	MS	MSD	F24831-6	Limits
4165-60-0	Nitrobenzene-d5	85%	68%	80%	49-119%
321-60-8	2-Fluorobiphenyl	87%	73%	81%	45-118%
1718-51-0	Terphenyl-d14	107%	95%	110%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1171-DFTPP
Lab File ID: L021792.D
Instrument ID: GCMSL
Injection Date: 06/07/04
Injection Time: 12:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	128779	39.6		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	125525	38.6		Pass
70	Less than 2.0% of mass 69	671	0.21	(0.53) [a]	Pass
127	40.0 - 60.0% of mass 198	155115	47.7		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	325120	100.0		Pass
199	5.0 - 9.0% of mass 198	21654	6.7		Pass
275	10.0 - 30.0% of mass 198	70211	21.6		Pass
365	1.0 - 100.0% of mass 198	7080	2.2		Pass
441	Present, but less than mass 443	32845	10.1	(75.1) [b]	Pass
442	40.0 - 100.0% of mass 198	220971	68.0		Pass
443	17.0 - 23.0% of mass 442	43707	13.4	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1171-IC1171	L021793.D	06/07/04	13:14	00:19	Initial cal 5
SL1171-IC1171	L021794.D	06/07/04	13:45	00:50	Initial cal 25
SL1171-IC1171	L021795.D	06/07/04	14:15	01:20	Initial cal 50
SL1171-ICC1171	L021796.D	06/07/04	14:45	01:50	Initial cal 75
SL1171-IC1171	L021797.D	06/07/04	15:15	02:20	Initial cal 100
SL1171-IC1171	L021798.D	06/07/04	15:46	02:51	Initial cal 125
SL1171-ICV1171	L021799.D	06/07/04	16:18	03:23	Initial cal verification 50
OP10604-LBS	L021800.D	06/07/04	16:51	03:56	Blank Spike
OP10604-LB	L021801.D	06/07/04	17:23	04:28	Leachate Blank
F24336-1	L021802.D	06/07/04	17:55	05:00	(used for QC only; not part of job F24831)
OP10604-MS	L021803.D	06/07/04	18:27	05:32	Matrix Spike
OP10604-MSD	L021804.D	06/07/04	18:59	06:04	Matrix Spike Duplicate
ZZZZZZ	L021805.D	06/07/04	19:30	06:35	(unrelated sample)
ZZZZZZ	L021806.D	06/07/04	20:02	07:07	(unrelated sample)
ZZZZZZ	L021807.D	06/07/04	20:33	07:38	(unrelated sample)
ZZZZZZ	L021808.D	06/07/04	21:04	08:09	(unrelated sample)
ZZZZZZ	L021809.D	06/07/04	21:34	08:39	(unrelated sample)
ZZZZZZ	L021810.D	06/07/04	22:05	09:10	(unrelated sample)
ZZZZZZ	L021811.D	06/07/04	22:36	09:41	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SL1171-DFTPP	**Injection Date:**	06/07/04
Lab File ID:	L021792.D	**Injection Time:**	12:55
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F24413-6	L021812.D	06/07/04	23:06	10:11	(used for QC only; not part of job F24831)
OP10604-DUP	L021813.D	06/07/04	23:37	10:42	Duplicate
ZZZZZZ	L021814.D	06/08/04	00:07	11:12	(unrelated sample)
OP10604-LS	L021815.D	06/08/04	00:38	11:43	Leachate Spike

Instrument Performance Check (DFTPP)

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1184-DFTPP
Lab File ID: L022106.D
Instrument ID: GCMSL
Injection Date: 06/28/04
Injection Time: 15:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	102398	38.8		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	101717	38.5		Pass
70	Less than 2.0% of mass 69	500	0.19	(0.49) [a]	Pass
127	40.0 - 60.0% of mass 198	129299	49.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	263874	100.0		Pass
199	5.0 - 9.0% of mass 198	18281	6.9		Pass
275	10.0 - 30.0% of mass 198	58779	22.3		Pass
365	1.0 - 100.0% of mass 198	5901	2.2		Pass
441	Present, but less than mass 443	22459	8.5	(71.4) [b]	Pass
442	40.0 - 100.0% of mass 198	158165	59.9		Pass
443	17.0 - 23.0% of mass 442	31470	11.9	(19.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1184-CC1171	L022107.D	06/28/04	15:37	00:21	Continuing cal 75
OP10739-BS	L022108.D	06/28/04	16:08	00:52	Blank Spike
OP10739-MB	L022109.D	06/28/04	16:39	01:23	Method Blank
ZZZZZZ	L022110.D	06/28/04	17:11	01:55	(unrelated sample)
ZZZZZZ	L022111.D	06/28/04	17:42	02:26	(unrelated sample)
ZZZZZZ	L022112.D	06/28/04	18:12	02:56	(unrelated sample)
ZZZZZZ	L022113.D	06/28/04	18:42	03:26	(unrelated sample)
ZZZZZZ	L022117.D	06/28/04	20:41	05:25	(unrelated sample)
ZZZZZZ	L022118.D	06/28/04	21:10	05:54	(unrelated sample)
ZZZZZZ	L022119.D	06/28/04	21:40	06:24	(unrelated sample)
ZZZZZZ	L022120.D	06/28/04	22:10	06:54	(unrelated sample)
ZZZZZZ	L022121.D	06/28/04	22:40	07:24	(unrelated sample)
ZZZZZZ	L022122.D	06/28/04	23:09	07:53	(unrelated sample)
OP10733-BS	L022123.D	06/28/04	23:39	08:23	Blank Spike
OP10733-MB	L022124.D	06/29/04	00:08	08:52	Method Blank
F24831-1	L022125.D	06/29/04	00:38	09:22	UST645-MW04
F24831-2	L022126.D	06/29/04	01:08	09:52	UST645-MW19
F24831-3	L022127.D	06/29/04	01:37	10:21	UST645-MW20
F24831-4	L022128.D	06/29/04	02:07	10:51	UST645-MW06

Instrument Performance Check (DFTPP)

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SL1184-DFTPP	**Injection Date:**	06/28/04
Lab File ID:	L022106.D	**Injection Time:**	15:16
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F24831-5	L022129.D	06/29/04	02:36	11:20	UST645-MW18
F24831-6	L022130.D	06/29/04	03:06	11:50	UST645-MW05
F24831-7	L022131.D	06/29/04	03:36	12:20	UST645-MW17
OP10733-MS	L022132.D	06/29/04	04:05	12:49	Matrix Spike
OP10733-MSD	L022133.D	06/29/04	04:35	13:19	Matrix Spike Duplicate
F24831-8	L022134.D	06/29/04	05:04	13:48	UST645-MW14
F24831-9	L022135.D	06/29/04	05:34	14:18	UST645-MW07
F24831-10	L022136.D	06/29/04	06:03	14:47	UST645-MW10
F24831-11	L022137.D	06/29/04	06:33	15:17	UST645-MW16

Semivolatile Internal Standard Area Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SL1184-CC1171 **Injection Date:** 06/28/04
Lab File ID: L022107.D **Injection Time:** 15:37
Instrument ID: GCMSL **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	227848	4.88	872873	6.03	464188	8.33	776453	10.81	759794	15.76	517275	18.27
Upper Limit [a]	455696	5.38	1745746	6.53	928376	8.83	1552906	11.31	1519588	16.26	1034550	18.77
Lower Limit [b]	113924	4.38	436437	5.53	232094	7.83	388227	10.31	379897	15.26	258638	17.77

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP10739-BS	240544	4.88	851550	6.03	466881	8.33	738664	10.81	630604	15.75	545282	18.27
OP10739-MB	252489	4.88	880658	6.03	471618	8.33	728192	10.80	593430	15.74	504009	18.27
ZZZZZZ	287320	4.88	1043718	6.02	560625	8.33	886093	10.80	707008	15.74	559110	18.27
ZZZZZZ	245334	4.88	895293	6.02	483741	8.33	798289	10.80	699526	15.74	606105	18.26
ZZZZZZ	267116	4.87	953054	6.02	518184	8.32	813366	10.80	651332	15.74	535332	18.26
ZZZZZZ	268921	4.87	938854	6.02	489357	8.32	764991	10.80	600777	15.74	506614	18.26
ZZZZZZ	245139	4.88	855083	6.02	443085	8.33	676450	10.80	583826	15.74	532694	18.26
ZZZZZZ	226834	4.88	807195	6.02	452002	8.33	739700	10.80	654535	15.74	579222	18.26
ZZZZZZ	275792	4.87	1007156	6.02	576473	8.33	990616	10.80	957802	15.75	858585	18.27
ZZZZZZ	235441	4.87	857061	6.02	476085	8.32	781873	10.80	687057	15.74	602571	18.26
ZZZZZZ	251389	4.87	916871	6.02	518439	8.33	862879	10.80	794716	15.74	683185	18.26
ZZZZZZ	301412	4.87	1079258	6.03	629175	8.33	1052089	10.80	917840	15.74	755633	18.26
OP10733-BS	247720	4.87	877544	6.02	476794	8.32	757331	10.80	650093	15.74	552350	18.26
OP10733-MB	283667	4.87	982492	6.02	551675	8.33	874219	10.80	703238	15.74	580923	18.26
F24831-1	245469	4.87	861692	6.02	457536	8.33	723903	10.80	614770	15.74	541542	18.26
F24831-2	237743	4.88	815240	6.02	422201	8.33	673000	10.80	589720	15.74	525389	18.26
F24831-3	266401	4.87	953964	6.02	536132	8.33	878633	10.80	766023	15.74	647952	18.26
F24831-4	261847	4.87	913371	6.02	490274	8.32	764833	10.80	602280	15.74	507703	18.26
F24831-5	257788	4.87	902872	6.02	485191	8.33	761513	10.80	636242	15.74	540537	18.26
F24831-6	260651	4.87	912766	6.02	497016	8.32	772379	10.80	639266	15.74	542012	18.26
F24831-7	216123	4.88	768158	6.02	422594	8.33	692344	10.80	639218	15.74	577702	18.26
OP10733-MS	230326	4.87	825403	6.02	451634	8.32	731876	10.80	639427	15.75	562360	18.26
OP10733-MSD	245424	4.87	874332	6.02	477911	8.32	771768	10.80	677493	15.74	585911	18.26
F24831-8	238778	4.87	824151	6.02	435139	8.32	686369	10.80	581181	15.74	514603	18.26
F24831-9	287617	4.87	1017283	6.02	572236	8.32	897944	10.80	718631	15.74	569883	18.26
F24831-10	253330	4.87	867849	6.02	466116	8.32	711946	10.80	563137	15.74	502220	18.26
F24831-11	252167	4.87	895814	6.02	478097	8.32	784908	10.80	647640	15.74	547020	18.26

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

Semivolatile Internal Standard Area Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	SL1184-CC1171	**Injection Date:**	06/28/04
Lab File ID:	L022107.D	**Injection Time:**	15:37
Instrument ID:	GCMSL	**Method:**	EPA 625

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
F24831-1	L022125.D	68.0	71.0	97.0
F24831-2	L022126.D	82.0	85.0	96.0
F24831-3	L022127.D	69.0	70.0	108.0
F24831-4	L022128.D	73.0	75.0	110.0
F24831-5	L022129.D	83.0	86.0	116.0
F24831-6	L022130.D	80.0	81.0	110.0
F24831-7	L022131.D	84.0	85.0	108.0
F24831-8	L022134.D	78.0	81.0	110.0
F24831-9	L022135.D	85.0	86.0	110.0
F24831-10	L022136.D	83.0	86.0	114.0
F24831-11	L022137.D	76.0	80.0	108.0
OP10733-BS	L022123.D	87.0	89.0	111.0
OP10733-MB	L022124.D	78.0	76.0	105.0
OP10733-MS	L022132.D	85.0	87.0	107.0
OP10733-MSD	L022133.D	68.0	73.0	95.0

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	49-119%
S2 = 2-Fluorobiphenyl	45-118%
S3 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1171-ICC1171
Lab FileID: L021796.D

Response Factor Report MSBNA02

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Mon Jun 07 16:42:35 2004
Response via : Initial Calibration

Calibration Files
5 =L021793.D 25 =L021794.D 50 =L021795.D 75 =L021796.D
100 =L021797.D 125 =L021798.D icv =L021799.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.487	0.494	0.485	0.493	0.496	0.484		0.490	1.05
3) N-nitrosodimethyl	0.616	0.660	0.654	0.645	0.641	0.643		0.643	2.33
4) Pyridine	1.235	1.332	1.335	1.362	1.328	1.397		1.331	4.04
5) Benzaldehyde	0.943	1.070	1.076	1.001	1.033	1.039		1.027	4.79
6) Aniline	1.991	2.078	1.990	1.973	1.957	1.895		1.981	3.00
7)S 2-Fluorophenol	1.127	1.214	1.177	1.183	1.165	1.150		1.169	2.53
8) bis(2-Chloroethyl	1.210	1.208	1.190	1.170	1.173	1.171		1.187	1.56
9)S Phenol-d5	1.543	1.588	1.527	1.517	1.490	1.458		1.520	2.93
10)C Phenol	1.732	1.837	1.783	1.764	1.755	1.738		1.768	2.18
11) 2-Chlorophenol	1.331	1.433	1.395	1.429	1.420	1.430		1.406	2.81
12) 1,3-Dichlorobenze	1.535	1.592	1.562	1.555	1.500	1.500		1.541	2.35
13)C 1,4-Dichlorobenze	1.546	1.587	1.568	1.565	1.529	1.501		1.549	1.99
14) 1,2-Dichlorobenze	1.447	1.510	1.459	1.450	1.441	1.421		1.455	2.07
15) Benzyl alcohol	0.829	0.890	0.904	0.905	0.930	0.932		0.899	4.19
16) bis(2-chloroisopr	1.979	1.960	1.849	1.783	1.736	1.685		1.832	6.53
17) 2-Methylphenol	1.165	1.235	1.224	1.226	1.229	1.211		1.215	2.11
18) Acetophenone	1.698	1.870	1.894	1.811	1.890	2.031		1.866	5.85
19) Hexachloroethane	0.512	0.553	0.549	0.563	0.558	0.548		0.547	3.29
20)P N-Nitroso-di-n-pr	0.919	0.951	0.939	0.902	0.937	0.937		0.931	1.87
21) 3&4-Methylphenol	1.224	1.325	1.302	1.290	1.336	1.328		1.301	3.18
22) I Naphthalene-d8	ISTD								
23)S Nitrobenzene-d5	0.336	0.364	0.357	0.368	0.366	0.354		0.357	3.26
24) Nitrobenzene	0.331	0.365	0.355	0.361	0.354	0.346		0.352	3.43
25) Isophorone	0.627	0.659	0.646	0.642	0.652	0.627		0.642	2.03
26)C 2-Nitrophenol	0.163	0.201	0.196	0.200	0.202	0.200		0.194	7.82
27) 2,4-Dimethylpheno	0.316	0.361	0.354	0.355	0.347	0.341		0.346	4.66
28) bis(2-Chloroethox	0.376	0.392	0.381	0.386	0.375	0.367		0.380	2.30
29) Benzoic Acid	0.120	0.203	0.215	0.229	0.232	0.249		0.208	22.19
---- Quadratic regression ---- Coefficient = 0.9994									
Response Ratio = -0.00752 + 0.20024 *A + 0.01596 *A^2									
30)C 2,4-Dichloropheno	0.274	0.307	0.308	0.311	0.305	0.296		0.300	4.62
31) 1,2,4-Trichlorobe	0.311	0.324	0.323	0.320	0.304	0.299		0.313	3.29
32) Naphthalene	1.008	1.035	1.013	0.980	0.967	0.948		0.992	3.27
33) 4-Chloroaniline	0.439	0.464	0.453	0.456	0.451	0.436		0.450	2.39
34) 2,6-Dichloropheno	0.287	0.305	0.303	0.302	0.294	0.292		0.297	2.36
35)C Hexachlorobutadie	0.155	0.163	0.160	0.158	0.156	0.149		0.157	3.12
36) Caprolactam	0.102	0.127	0.128	0.128	0.133	0.143		0.127	10.81
37)C 4-Chloro-3-methyl	0.273	0.305	0.308	0.317	0.321	0.319		0.307	5.89
38) 2-Methylnaphthale	0.685	0.695	0.684	0.689	0.685	0.662		0.684	1.64
39) 1-Methylnaphthale	0.653	0.700	0.673	0.666	0.665	0.647		0.667	2.78
40) 1,2,4,5-Tetrachlo	0.319	0.328	0.323	0.324	0.322	0.313		0.321	1.66
41) I Acenaphthene-d10	ISTD								

Initial Calibration Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1171-ICC1171
Lab FileID: L021796.D

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42)P Hexachlorocyclope 0.089 0.211 0.248 0.270 0.282 0.289       0.231  32.49
            ---- Quadratic regression ----  Coefficient =  0.9997
              Response Ratio = -0.02658 + 0.25540 *A + 0.01392 *A^2

43)C 2,4,6-Trichloroph 0.347 0.391 0.386 0.387 0.390 0.399       0.383   4.75
44)  2,4,5-Trichloroph 0.371 0.418 0.417 0.410 0.425 0.434       0.412   5.33
45)S 2-Fluorobiphenyl  1.392 1.406 1.375 1.347 1.320 1.334       1.362   2.50
46)  1,1'-Biphenyl     1.440 1.615 1.577 1.503 1.519 1.598       1.542   4.32
47)  2-Chloronaphthale 1.201 1.236 1.161 1.158 1.147 1.150       1.175   3.02
48)  2-Nitroaniline    0.314 0.377 0.381 0.383 0.397 0.410       0.377   8.77
49)  Acenaphthylene    1.901 2.006 1.918 1.910 1.919 1.889       1.924   2.17
50)  Dimethylphthalate 1.408 1.478 1.446 1.414 1.439 1.452       1.440   1.78
51)  2,6-Dinitrotoluen 0.282 0.335 0.320 0.321 0.329 0.336       0.320   6.31
52)C Acenaphthene      1.199 1.225 1.193 1.171 1.165 1.167       1.187   1.99
53)  3-Nitroaniline    0.338 0.389 0.393 0.382 0.393 0.398       0.382   5.86
54)P 2,4-Dinitrophenol 0.053 0.120 0.153 0.171 0.195 0.212       0.151  38.27
            ---- Quadratic regression ----  Coefficient =  0.9998
              Response Ratio = -0.01053 + 0.12213 *A + 0.03007 *A^2

55)  Dibenzofuran      1.702 1.752 1.748 1.663 1.691 1.715       1.712   2.00
56)  2,4-Dinitrotoluen 0.380 0.452 0.470 0.463 0.475 0.495       0.456   8.72
57)P 4-Nitrophenol     0.126 0.167 0.179 0.184 0.195 0.205       0.176  15.64
            ---- Quadratic regression ----  Coefficient =  0.9999
              Response Ratio = -0.00274 + 0.16025 *A + 0.01440 *A^2

58)  2,3,4,6-Tetrachlo 0.241 0.307 0.322 0.320 0.324 0.326       0.307  10.73
59)  Fluorene          1.349 1.402 1.382 1.354 1.358 1.379       1.370   1.49
60)  4-Chlorophenyl-ph 0.648 0.656 0.643 0.637 0.633 0.639       0.643   1.32
61)  Diethylphthalate  1.390 1.437 1.397 1.385 1.399 1.427       1.406   1.51
62)  4-Nitroaniline    0.309 0.392 0.404 0.394 0.418 0.435       0.392  11.13

63) I   Phenanthrene-d10      ----------------ISTD---------------------
64)  4,6-Dinitro-2-met 0.071 0.131 0.151 0.150 0.164 0.165       0.139  25.45
            ---- Quadratic regression ----  Coefficient =  0.9990
              Response Ratio = -0.01027 + 0.14615 *A + 0.00744 *A^2

65)C n-Nitrosodiphenyl 0.565 0.614 0.595 0.580 0.578 0.553       0.581   3.71
66)  1,2-Diphenylhydra 0.675 0.735 0.741 0.735 0.727 0.706       0.720   3.53
67)S 2,4,6-Tribromophe 0.068 0.081 0.084 0.084 0.085 0.081       0.081   7.79
68)  4-Bromophenyl-phe 0.179 0.198 0.198 0.194 0.200 0.192       0.193   3.89
69)  Hexachlorobenzene 0.181 0.193 0.187 0.187 0.192 0.181       0.187   2.64
70)  Atrazine          0.194 0.240 0.249 0.231 0.237 0.246       0.233   8.63
71)C Pentachlorophenol 0.039 0.070 0.082 0.095 0.099 0.101       0.081  29.46
            ---- Quadratic regression ----  Coefficient =  0.9988
              Response Ratio = -0.00935 + 0.08620 *A + 0.00601 *A^2

72)  Phenanthrene      1.134 1.167 1.151 1.111 1.133 1.091       1.131   2.42
73)  Anthracene        1.129 1.193 1.201 1.163 1.150 1.135       1.162   2.59
74)  Carbazole         1.067 1.144 1.161 1.096 1.090 1.113       1.112   3.18
75)  Di-n-butylphthala 1.168 1.283 1.325 1.267 1.276 1.260       1.263   4.12
76)C Fluoranthene      1.150 1.222 1.236 1.159 1.219 1.198       1.197   2.98

77) I   Chrysene-d12          ----------------ISTD---------------------
78)  Benzidine         0.730 0.969 0.987 0.971 0.939 0.941       0.923  10.42
79)  Pyrene            1.356 1.438 1.360 1.355 1.294 1.262       1.344   4.55
80)S Terphenyl-d14     0.771 0.830 0.788 0.778 0.748 0.747       0.777   3.95
81)  Butylbenzylphthal 0.528 0.626 0.631 0.626 0.599 0.618       0.605   6.51
82)  3,3'-Dichlorobenz 0.403 0.452 0.453 0.455 0.451 0.446       0.443   4.56
83)  Benzo[a]anthracen 1.149 1.250 1.212 1.216 1.199 1.202       1.205   2.70
84)  Chrysene          1.099 1.172 1.131 1.109 1.111 1.081       1.117   2.80
```

Initial Calibration Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1171-ICC1171
Lab FileID: L021796.D

85) bis(2-Ethylhexyl)	0.733	0.853	0.864	0.854	0.831	0.823	0.826	5.83
86) I Perylene-d12	----------	ISTD	----------					
87)C Di-n-octylphthala	1.616	1.954	2.054	2.005	1.927	1.816	1.895	8.38
88) Benzo[b]fluoranth	1.558	1.714	1.710	1.702	1.614	1.689	1.664	3.86
89) Benzo[k]fluoranth	1.522	1.682	1.651	1.621	1.581	1.420	1.580	6.08
90)C Benzo[a]pyrene	1.458	1.563	1.582	1.611	1.539	1.507	1.543	3.56
91) Indeno[1,2,3-cd]p	1.404	1.512	1.629	1.650	1.692	1.629	1.586	6.77
92) Dibenz[a,h]anthra	1.355	1.444	1.491	1.470	1.443	1.411	1.436	3.33
93) Benzo[g,h,i]peryl	1.520	1.612	1.655	1.705	1.638	1.603	1.622	3.81

(#) = Out of Range

8270C.M Tue Jun 08 09:22:49 2004

Initial Calibration Verification

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1171-ICV1171
Lab FileID: L021799.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\060704\L021799.D Vial: 8
Acq On : 7 Jun 2004 4:18 pm Operator: marke
Sample : icv1171-50 Inst : MSBNA02
Misc : op10599,sl1171,30.5,,,1,1,soil Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Mon Jun 07 16:42:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	111	0.00	4.98
2		1,4-Dioxane	50.000	49.972	0.1	0	0.00	2.58
3		N-nitrosodimethylamine	50.000	55.028	-10.1	0	0.00	2.91
4		Pyridine	50.000	46.316	7.4	0	0.00	2.91
5		Benzaldehyde	50.000	0.565	98.9#	0	0.00	4.65
6		Aniline	50.000	15.654	68.7#	0	0.00	4.76
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	52.693	-5.4	0	0.00	4.79
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	51.825	-3.7	0	0.00	4.77
11		2-Chlorophenol	50.000	51.557	-3.1	0	0.00	4.85
12		1,3-Dichlorobenzene	50.000	49.734	0.5	0	0.00	4.95
13	C	1,4-Dichlorobenzene	50.000	49.884	0.2	0	0.00	4.99
14		1,2-Dichlorobenzene	50.000	50.675	-1.3	0	0.00	5.15
15		Benzyl alcohol	50.000	50.881	-1.8	0	0.00	5.11
16		bis(2-chloroisopropyl)eth	50.000	53.421	-6.8	0	0.00	5.23
17		2-Methylphenol	50.000	50.337	-0.7	0	0.00	5.23
18		Acetophenone	50.000	49.434	1.1	0	0.00	5.33
19		Hexachloroethane	50.000	51.806	-3.6	0	0.00	5.41
20	P	N-Nitroso-di-n-propylamin	50.000	49.871	0.3	0	0.00	5.35
21		3&4-Methylphenol	100.000	99.422	0.6	0	0.00	5.35
22	I	Naphthalene-d8	40.000	40.000	0.0	113	0.00	6.16
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	49.186	1.6	0	0.00	5.49
25		Isophorone	50.000	51.521	-3.0	0	0.00	5.70
26	C	2-Nitrophenol	50.000	51.497	-3.0	0	0.00	5.79
27		2,4-Dimethylphenol	50.000	51.126	-2.3	0	0.00	5.83
28		bis(2-Chloroethoxy)methan	50.000	46.163	7.7	0	0.00	5.91
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	100.000	100.872	-0.9	0	0.00	5.97
		----------	Amount	Calc.	%Drift		----------	
30	C	2,4-Dichlorophenol	50.000	52.123	-4.2	0	0.00	6.03
31		1,2,4-Trichlorobenzene	50.000	50.158	-0.3	0	0.00	6.11
32		Naphthalene	50.000	50.993	-2.0	0	0.00	6.18
33		4-Chloroaniline	50.000	26.732	46.5#	0	0.00	6.26
34		2,6-Dichlorophenol	50.000	46.843	6.3	0	0.00	6.27
35	C	Hexachlorobutadiene	50.000	48.635	2.7	0	0.00	6.37
36		Caprolactam	50.000	49.805	0.4	0	0.00	6.63
37	C	4-Chloro-3-methylphenol	50.000	50.649	-1.3	0	0.00	6.84

Initial Calibration Verification

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1171-ICV1171
Lab FileID: L021799.D

38		2-Methylnaphthalene	50.000	48.119	3.8	0	0.00	6.98
39		1-Methylnaphthalene	50.000	50.012	-0.0	0	0.00	7.12
40		1,2,4,5-Tetrachlorobenzen	50.000	46.849	6.3	0	0.00	7.25
41	I	Acenaphthene-d10	40.000	40.000	0.0	111	0.00	8.49
		----------	Amount	Calc.	%Drift			
42	P	Hexachlorocyclopentadiene	50.000	47.247	5.5	0	0.00	7.28
		----------	Amount	Calc.	%Drift			
43	C	2,4,6-Trichlorophenol	50.000	47.871	4.3	0	0.00	7.41
44		2,4,5-Trichlorophenol	50.000	49.394	1.2	0	0.00	7.47
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	47.822	4.4	0	0.00	7.62
47		2-Chloronaphthalene	50.000	48.680	2.6	0	0.00	7.64
48		2-Nitroaniline	50.000	50.504	-1.0	0	0.00	7.84
49		Acenaphthylene	50.000	49.623	0.8	0	0.00	8.26
50		Dimethylphthalate	50.000	50.158	-0.3	0	0.00	8.16
51		2,6-Dinitrotoluene	50.000	49.055	1.9	0	0.00	8.26
52	C	Acenaphthene	50.000	52.537	-5.1	0	0.00	8.54
53		3-Nitroaniline	50.000	33.043	33.9#	0	0.00	8.48
		----------	Amount	Calc.	%Drift			
54	P	2,4-Dinitrophenol	100.000	97.655	2.3	0	0.00	8.65
		----------	Amount	Calc.	%Drift			
55		Dibenzofuran	50.000	48.723	2.6	0	0.00	8.80
56		2,4-Dinitrotoluene	50.000	50.226	-0.5	0	0.00	8.89
		----------	Amount	Calc.	%Drift			
57	P	4-Nitrophenol	100.000	97.344	2.7	0	0.00	8.84
		----------	Amount	Calc.	%Drift			
58		2,3,4,6-Tetrachlorophenol	50.000	46.346	7.3	0	0.00	9.09
59		Fluorene	50.000	52.671	-5.3	0	0.00	9.37
60		4-Chlorophenyl-phenylethe	50.000	49.459	1.1	0	0.00	9.39
61		Diethylphthalate	50.000	50.507	-1.0	0	0.00	9.32
62		4-Nitroaniline	50.000	48.481	3.0	0	0.00	9.50
63	I	Phenanthrene-d10	40.000	40.000	0.0	111	0.00	10.98
		----------	Amount	Calc.	%Drift			
64		4,6-Dinitro-2-methylpheno	100.000	106.244	-6.2	0	0.00	9.58
		----------	Amount	Calc.	%Drift			
65	C	n-Nitrosodiphenylamine	50.000	51.025	-2.0	0	0.00	9.61
66		1,2-Diphenylhydrazine	50.000	52.320	-4.6	0	0.00	9.66
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	50.981	-2.0	0	0.00	10.22
69		Hexachlorobenzene	50.000	49.888	0.2	0	0.00	10.45
70		Atrazine	50.000	19.724	60.6#	0	0.00	10.64
		----------	Amount	Calc.	%Drift			
71	C	Pentachlorophenol	100.000	96.837	3.2	0	0.00	10.80
		----------	Amount	Calc.	%Drift			
72		Phenanthrene	50.000	52.898	-5.8	0	0.00	11.02
73		Anthracene	50.000	51.558	-3.1	0	0.00	11.10
74		Carbazole	50.000	50.241	-0.5	0	0.00	11.44
75		Di-n-butylphthalate	50.000	50.387	-0.8	0	0.00	12.28

Initial Calibration Verification

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1171-ICV1171
Lab FileID: L021799.D

76	C	Fluoranthene	50.000	50.604	-1.2	0	0.00	13.21
77	I	Chrysene-d12	40.000	40.000	0.0	109	0.00	15.93
78		Benzidine		----------NA----------				
79		Pyrene	50.000	54.850	-9.7	0	0.00	13.61
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	51.979	-4.0	0	0.00	15.08
82		3,3'-Dichlorobenzidine	50.000	35.873	28.3#	0	-0.01	15.95
83		Benzo[a]anthracene	50.000	52.958	-5.9	0	0.00	15.90
84		Chrysene	50.000	54.588	-9.2	0	0.00	15.98
85		bis(2-Ethylhexyl)phthalat	50.000	51.364	-2.7	0	0.00	16.29
86	I	Perylene-d12	40.000	40.000	0.0	107	0.00	18.45
87	C	Di-n-octylphthalate	50.000	57.607	-15.2	0	0.00	17.41
88		Benzo[b]fluoranthene	50.000	52.948	-5.9	0	0.00	17.84
89		Benzo[k]fluoranthene	50.000	54.243	-8.5	0	0.00	17.88
90	C	Benzo[a]pyrene	50.000	53.834	-7.7	0	0.00	18.35
91		Indeno[1,2,3-cd]pyrene	50.000	51.061	-2.1	0	0.00	20.07
92		Dibenz[a,h]anthracene	50.000	51.259	-2.5	0	-0.01	20.10
93		Benzo[g,h,i]perylene	50.000	51.122	-2.2	0	-0.01	20.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L021799.D 8270C.M Tue Jun 08 09:23:06 2004

Continuing Calibration Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1184-CC1171
Lab FileID: L022107.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062804\L022107.D Vial: 2
Acq On : 28 Jun 2004 3:37 pm Operator: marke
Sample : cc1171-75 Inst : MSBNA02
Misc : op10759,sl1184,30.9,,,1,1,soil Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Fri Jun 25 14:53:12 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	-0.02	4.88
2		1,4-Dioxane	0.490	0.474	3.3	113	-0.06	2.47
3		N-nitrosodimethylamine	0.643	0.626	2.6	115	-0.05	2.81
4		Pyridine	1.331	1.319	0.9	114	-0.05	2.81
5		Benzaldehyde	1.027	0.789	23.2#	93	-0.01	4.56
6		Aniline	1.981	1.954	1.4	117	-0.01	4.66
7	S	2-Fluorophenol	1.169	1.239	-6.0	124	-0.02	3.97
8		bis(2-Chloroethyl)ether	1.187	1.163	2.0	117	-0.01	4.70
9	S	Phenol-d5	1.520	1.456	4.2	113	0.00	4.67
10	C	Phenol	1.768	1.560	11.8	104	0.00	4.68
11		2-Chlorophenol	1.406	1.430	-1.7	118	-0.02	4.75
12		1,3-Dichlorobenzene	1.541	1.605	-4.2	122	-0.02	4.85
13	C	1,4-Dichlorobenzene	1.549	1.600	-3.3	121	-0.02	4.89
14		1,2-Dichlorobenzene	1.455	1.491	-2.5	121	-0.02	5.04
15		Benzyl alcohol	0.899	0.903	-0.4	118	-0.01	5.02
16		bis(2-chloroisopropyl)eth	1.832	1.737	5.2	115	-0.02	5.12
17		2-Methylphenol	1.215	1.218	-0.2	117	0.00	5.13
18		Acetophenone	1.866	1.813	2.8	118	-0.02	5.22
19		Hexachloroethane	0.547	0.593	-8.4	124	-0.02	5.30
20	P	N-Nitroso-di-n-propylamin	0.931	0.902	3.1	118	-0.01	5.25
21		3&4-Methylphenol	1.301	1.313	-0.9	120	-0.01	5.25
22	I	Naphthalene-d8	1.000	1.000	0.0	116	-0.02	6.03
23	S	Nitrobenzene-d5	0.357	0.364	-2.0	115	-0.02	5.36
24		Nitrobenzene	0.352	0.354	-0.6	114	-0.02	5.38
25		Isophorone	0.642	0.616	4.0	111	-0.02	5.59
26	C	2-Nitrophenol	0.194	0.207	-6.7	120	-0.02	5.67
27		2,4-Dimethylphenol	0.346	0.360	-4.0	117	-0.02	5.72
28		bis(2-Chloroethoxy)methan	0.380	0.371	2.4	111	-0.02	5.79
			Amount	Calc.	%Drift			
29		Benzoic Acid	75.000	68.316	8.9	103	-0.01	5.85
			AvgRF	CCRF	%Dev			
30	C	2,4-Dichlorophenol	0.300	0.314	-4.7	117	-0.02	5.91
31		1,2,4-Trichlorobenzene	0.313	0.330	-5.4	120	-0.02	5.98
32		Naphthalene	0.992	1.004	-1.2	119	-0.02	6.05
33		4-Chloroaniline	0.450	0.449	0.2	114	-0.02	6.13
34		2,6-Dichlorophenol	0.297	0.310	-4.4	119	-0.01	6.15
35	C	Hexachlorobutadiene	0.157	0.185	-17.8	135	-0.02	6.23
36		Caprolactam	0.127	0.113	11.0	102	-0.01	6.51
37	C	4-Chloro-3-methylphenol	0.307	0.306	0.3	112	-0.01	6.71

Continuing Calibration Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1184-CC1171
Lab FileID: L022107.D

38		2-Methylnaphthalene	0.684	0.686	-0.3	115	-0.02	6.84
39		1-Methylnaphthalene	0.667	0.675	-1.2	118	-0.02	6.98
40		1,2,4,5-Tetrachlorobenzen	0.321	0.344	-7.2	123	-0.02	7.11
41	I	Acenaphthene-d10	1.000	1.000	0.0	111	-0.04	8.33
		----------	Amount	Calc.	%Drift		----------	
42	P	Hexachlorocyclopentadiene	75.000	93.389	-24.5#	142	-0.04	7.13
		----------	AvgRF	CCRF	%Dev		----------	
43	C	2,4,6-Trichlorophenol	0.383	0.408	-6.5	117	-0.03	7.26
44		2,4,5-Trichlorophenol	0.412	0.434	-5.3	117	-0.03	7.33
45	S	2-Fluorobiphenyl	1.362	1.420	-4.3	117	-0.04	7.35
46		1,1'-Biphenyl	1.542	1.585	-2.8	117	-0.04	7.47
47		2-Chloronaphthalene	1.175	1.226	-4.3	118	-0.04	7.49
48		2-Nitroaniline	0.377	0.371	1.6	108	-0.04	7.69
49		Acenaphthylene	1.924	1.973	-2.5	115	-0.04	8.10
50		Dimethylphthalate	1.440	1.427	0.9	112	-0.03	8.02
51		2,6-Dinitrotoluene	0.320	0.337	-5.3	117	-0.03	8.11
52	C	Acenaphthene	1.187	1.207	-1.7	114	-0.03	8.39
53		3-Nitroaniline	0.382	0.379	0.8	110	-0.03	8.33
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	75.000	80.062	-6.7	123	-0.02	8.50
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.712	1.749	-2.2	117	-0.03	8.64
56		2,4-Dinitrotoluene	0.456	0.470	-3.1	113	-0.03	8.74
		----------	Amount	Calc.	%Drift		----------	
57	P	4-Nitrophenol	75.000	72.068	3.9	107	0.02	8.70
		----------	AvgRF	CCRF	%Dev		----------	
58		2,3,4,6-Tetrachlorophenol	0.307	0.340	-10.7	118	-0.02	8.94
59		Fluorene	1.370	1.399	-2.1	115	-0.03	9.20
60		4-Chlorophenyl-phenylethe	0.643	0.668	-3.9	116	-0.03	9.23
61		Diethylphthalate	1.406	1.463	-4.1	117	-0.03	9.17
62		4-Nitroaniline	0.392	0.384	2.0	108	-0.02	9.35
63	I	Phenanthrene-d10	1.000	1.000	0.0	108	-0.04	10.81
		----------	Amount	Calc.	%Drift		----------	
64		4,6-Dinitro-2-methylpheno	75.000	82.243	-9.7	123	-0.04	9.43
		----------	AvgRF	CCRF	%Dev		----------	
65	C	n-Nitrosodiphenylamine	0.581	0.611	-5.2	113	-0.05	9.46
66		1,2-Diphenylhydrazine	0.720	0.735	-2.1	108	-0.05	9.49
67	S	2,4,6-Tribromophenol	0.081	0.089	-9.9	114	-0.05	9.65
68		4-Bromophenyl-phenylether	0.193	0.224	-16.1	124	-0.05	10.05
69		Hexachlorobenzene	0.187	0.221	-18.2	127	-0.04	10.29
70		Atrazine	0.233	0.240	-3.0	112	-0.04	10.49
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	75.000	78.295	-4.4	111	-0.03	10.65
		----------	AvgRF	CCRF	%Dev		----------	
72		Phenanthrene	1.131	1.151	-1.8	112	-0.04	10.85
73		Anthracene	1.162	1.182	-1.7	109	-0.04	10.93
74		Carbazole	1.112	1.126	-1.3	111	-0.03	11.28
75		Di-n-butylphthalate	1.263	1.346	-6.6	114	-0.03	12.12

Continuing Calibration Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1184-CC1171
Lab FileID: L022107.D

76	C	Fluoranthene	1.197	1.238	-3.4	115	-0.01	13.04
77	I	Chrysene-d12	1.000	1.000	0.0	116	-0.05	15.76
78		Benzidine	0.923	0.815	11.7	98	-0.07	13.38
79		Pyrene	1.344	1.301	3.2	112	-0.06	13.45
80	S	Terphenyl-d14	0.777	0.841	-8.2	126	-0.06	13.85
81		Butylbenzylphthalate	0.605	0.613	-1.3	114	-0.05	14.92
82		3,3'-Dichlorobenzidine	0.443	0.447	-0.9	114	-0.04	15.79
83		Benzo[a]anthracene	1.205	1.204	0.1	115	-0.05	15.73
84		Chrysene	1.117	1.107	0.9	116	-0.05	15.81
85		bis(2-Ethylhexyl)phthalat	0.826	0.834	-1.0	114	-0.04	16.12
86	I	Perylene-d12	1.000	1.000	0.0	114	-0.06	18.27
87	C	Di-n-octylphthalate	1.895	1.921	-1.4	109	-0.06	17.24
88		Benzo[b]fluoranthene	1.664	1.670	-0.4	112	-0.06	17.67
89		Benzo[k]fluoranthene	1.580	1.641	-3.9	116	-0.06	17.71
90	C	Benzo[a]pyrene	1.543	1.565	-1.4	111	-0.06	18.18
91		Indeno[1,2,3-cd]pyrene	1.586	1.565	1.3	108	-0.05	19.89
92		Dibenz[a,h]anthracene	1.436	1.475	-2.7	114	-0.05	19.93
93		Benzo[g,h,i]perylene	1.622	1.548	4.6	104	-0.05	20.25

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L021796.D 8270C.M Tue Jun 29 12:48:32 2004

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3220-MB	EF040649.D	1	06/26/04	CV	n/a	n/a	GEF3220

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24831-1, F24831-2, F24831-3, F24831-4, F24831-5, F24831-6, F24831-7, F24831-8, F24831-9, F24831-10, F24831-11, F24831-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	86%	70-123%
98-08-8	aaa-Trifluorotoluene	94%	73-122%

Blank Spike Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3220-BS	EF040648.D	1	06/26/04	CV	n/a	n/a	GEF3220

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24831-1, F24831-2, F24831-3, F24831-4, F24831-5, F24831-6, F24831-7, F24831-8, F24831-9, F24831-10, F24831-11, F24831-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.8	99	86-121
108-90-7	Chlorobenzene	20	18.7	94	81-119
95-50-1	1,2-Dichlorobenzene	20	16.0	80	75-120
541-73-1	1,3-Dichlorobenzene	20	18.7	94	77-121
106-46-7	1,4-Dichlorobenzene	20	18.2	91	75-122
100-41-4	Ethylbenzene	20	19.7	99	81-126
1634-04-4	Methyl Tert Butyl Ether	20	19.3	97	76-117
108-88-3	Toluene	20	19.4	97	82-123
1330-20-7	Xylenes (total)	60	57.2	95	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%	70-123%
98-08-8	aaa-Trifluorotoluene	98%	73-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F24831-5MS	EF040651.D	1	06/26/04	CV	n/a	n/a	GEF3220
F24831-5MSD	EF040652.D	1	06/26/04	CV	n/a	n/a	GEF3220
F24831-5 [a]	EF040650.D	1	06/26/04	CV	n/a	n/a	GEF3220

The QC reported here applies to the following samples: **Method:** EPA 601/602

F24831-1, F24831-2, F24831-3, F24831-4, F24831-5, F24831-6, F24831-7, F24831-8, F24831-9, F24831-10, F24831-11, F24831-12

CAS No.	Compound	F24831-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	5.6		20	25.2	98	25.1	98	0	77-125/6
108-90-7	Chlorobenzene	ND		20	19.0	95	18.7	94	2	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	17.9	90	16.2	81	10*	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	19.7	99	19.0	95	4	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	19.4	97	18.6	93	4	67-129/7
100-41-4	Ethylbenzene	8.5		20	27.8	97	27.3	94	2	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	19.0	95	19.2	96	1	66-127/9
108-88-3	Toluene	32.4		20	50.6	91	49.8	87	2	77-124/5
1330-20-7	Xylenes (total)	20.0		60	76.5	94	74.8	91	2	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F24831-5	Limits
352-33-0	1-Chloro-4-fluorobenzene	97%	96%	93%	70-123%
98-08-8	aaa-Trifluorotoluene	98%	99%	98%	73-122%

(a) All hits confirmed by dual column analysis.

Volatile Surrogate Recovery Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F24831-1	EF040655.D	90.0	98.0
F24831-2	EF040656.D	86.0	93.0
F24831-3	EF040657.D	86.0	93.0
F24831-4	EF040658.D	86.0	93.0
F24831-5	EF040650.D	93.0	98.0
F24831-6	EF040659.D	86.0	92.0
F24831-7	EF040660.D	89.0	97.0
F24831-8	EF040661.D	88.0	96.0
F24831-9	EF040662.D	90.0	96.0
F24831-10	EF040663.D	88.0	96.0
F24831-11	EF040664.D	86.0	94.0
F24831-12	EF040653.D	87.0	94.0
F24831-5MS	EF040651.D	97.0	98.0
F24831-5MSD	EF040652.D	96.0	99.0
GEF3220-BS	EF040648.D	94.0	98.0
GEF3220-MB	EF040649.D	86.0	94.0

Surrogate Compounds	Recovery Limits
S1 = 1-Chloro-4-fluorobenzene	70-123%
S2 = aaa-Trifluorotoluene	73-122%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3220-CC3177	**Injection Date:**	06/26/04
Lab File ID:	EF040654.D	**Injection Time:**	23:28
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.83	5.76

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F24831-1	EF040655.D	06/26/04	23:53	8.83	5.75
F24831-2	EF040656.D	06/27/04	00:17	8.84	5.76
F24831-3	EF040657.D	06/27/04	00:42	8.83	5.76
F24831-4	EF040658.D	06/27/04	01:06	8.83	5.76
F24831-6	EF040659.D	06/27/04	01:31	8.83	5.75
F24831-7	EF040660.D	06/27/04	01:55	8.83	5.75
F24831-8	EF040661.D	06/27/04	02:20	8.83	5.76
F24831-9	EF040662.D	06/27/04	02:44	8.83	5.75
F24831-10	EF040663.D	06/27/04	03:09	8.83	5.75
F24831-11	EF040664.D	06/27/04	03:33	8.83	5.75

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GEF3219-CC3177
Lab File ID: EF040643.D
Instrument ID: GCEF

Injection Date: 06/26/04
Injection Time: 18:55
Method: EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	9.03	8.82	5.97	5.75

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	EF040644.D	06/26/04	19:20		8.82		5.75
ZZZZZZ	EF040645.D	06/26/04	19:44	9.04		5.97	
ZZZZZZ	EF040646.D	06/26/04	20:11		8.83		5.75
GEF3220-BS	EF040648.D	06/26/04	21:02		8.83		5.75
GEF3220-MB	EF040649.D	06/26/04	21:26		8.83		5.75
F24831-5	EF040650.D	06/26/04	21:51		8.83		5.75
F24831-5MS	EF040651.D	06/26/04	22:15		8.83		5.75
F24831-5MSD	EF040652.D	06/26/04	22:40		8.83		5.76
F24831-12	EF040653.D	06/26/04	23:04		8.83		5.76

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3177-ICC3177
Lab FileID: EF039601.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu May 13 10:43:45 2004
Response via : Initial Calibration

Calibration Files
1 =EF039599.D 2 =EF039600.D 3 =EF039601.D
4 =EF039602.D 5 =EF039603.D 6 =EF039604.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)		Methyl tert Butyl E		1.962	1.959	2.049	1.994	2.152	2.023 E3	3.97
2)		Di-Isopropyl ether	2.791	2.951	2.972	3.041	3.068	3.170	2.999 E3	4.27
3)		Benzene	6.799	6.242	6.233	6.388	6.501	6.676	6.473 E3	3.57
4)	S	a,a,a-TFT(S)	1.892	1.858	1.900	2.035	2.123	2.148	1.993 E3	6.32
5)		Toluene	6.339	5.343	5.402	5.536	5.642	5.820	5.681 E3	6.43
6)	S	1-Chloro-4-Fluorobe	2.946	2.875	2.950	3.229	3.362	3.373	3.122 E3	7.22
7)		Chlorobenzene		5.528	5.329	5.434	5.552	5.691	5.507 E3	2.46
8)		Ethylbenzene		4.764	4.546	4.601	4.659	4.742	4.662 E3	1.98
9)		m,p-Xylene		4.960	5.019	5.111	5.209	5.326	5.125 E3	2.87
10)		o-Xylene	5.253	4.449	4.546	4.554	4.652	4.742	4.699 E3	6.15
11)		1,3-Dichlorobenzene	3.529	3.433	3.822	3.930	4.101	4.223	3.840 E3	8.11
12)		1,4-Dichlorobenzene	3.641	3.679	4.081	4.247	4.404	4.564	4.103 E3	9.23
13)		1,2-Dichlorobenzene		2.499	2.679	2.822	2.931	2.999	2.786 E3	7.21

Signal #2

1)		Methyl tert Butyl E		1.561	1.659	1.693	1.616	1.714	1.648 E3	3.72
2)		Di-Isopropyl ether	2.338	2.302	2.349	2.424	2.393	2.453	2.376 E3	2.39
3)		Benzene	5.264	5.010	5.092	5.157	5.228	5.368	5.187 E3	2.47
4)	S	a,a,a-TFT(S)	1.454	1.442	1.488	1.596	1.638	1.651	1.545 E3	6.11
5)		Toluene	4.826	4.222	4.360	4.442	4.462	4.608	4.487 E3	4.66
6)	S	1-Chloro-4-Fluorobe	2.145	2.122	2.244	2.477	2.539	2.546	2.346 E3	8.43
7)		Chlorobenzene		4.867	4.465	4.500	4.477	4.580	4.578 E3	3.66
8)		Ethylbenzene		3.809	3.819	3.823	3.874	3.930	3.851 E3	1.32
9)		m,p-Xylene		4.189	4.227	4.233	4.274	4.362	4.257 E3	1.55
10)		o-Xylene	3.887	3.472	3.625	3.622	3.627	3.699	3.656 E3	3.71
11)		1,3-Dichlorobenzene		2.680	2.981	3.102	3.167	3.261	3.038 E3	7.40
12)		1,4-Dichlorobenzene		2.727	3.059	3.173	3.240	3.341	3.108 E3	7.61
13)		1,2-Dichlorobenzene	1.975	2.005	2.189	2.283	2.351	2.410	2.202 E3	8.19

(#) = Out of Range

DUAL0603.M Fri Jun 04 08:31:14 2004 EF

Continuing Calibration Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3219-CC3177
Lab FileID: EF040643.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062604\EF040643.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\062604\EF040643.D\FID2B.CH
Acq On : 26 Jun 2004 6:55 pm Operator: ClaireV
Sample : cc3177-20 Inst : VOA1
Misc : gc3642,gef3219,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.463	-7.3	111	0.02
2		Di-Isopropyl ether	20.000	19.885	0.6	100	0.02
3		Benzene	20.000	20.123	-0.6	105	0.02
4	S	a,a,a-TFT(S)	20.000	20.266	-1.3	106	0.02
5		Toluene	20.000	19.682	1.6	103	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.486	2.6	103	0.03
7		Chlorobenzene	20.000	19.800	1.0	102	0.03
8		Ethylbenzene	20.000	19.960	0.2	102	0.03
9		m,p-Xylene	40.000	40.213	-0.5	103	0.03
10		o-Xylene	20.000	19.589	2.1	101	0.03
11		1,3-Dichlorobenzene	20.000	20.010	-0.1	101	0.04
12		1,4-Dichlorobenzene	20.000	20.215	-1.1	102	0.04
13		1,2-Dichlorobenzene	20.000	17.454	12.7	91	0.03

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.260	-6.3	106	0.01
2		Di-Isopropyl ether	20.000	19.686	1.6	100	0.01
3		Benzene	20.000	20.437	-2.2	104	0.02
4	S	a,a,a-TFT(S)	20.000	20.301	-1.5	105	0.02
5		Toluene	20.000	20.035	-0.2	103	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.608	2.0	102	0.02
7		Chlorobenzene	20.000	19.837	0.8	102	0.03
8		Ethylbenzene	20.000	20.217	-1.1	102	0.02
9		m,p-Xylene	40.000	39.922	0.2	101	0.03
10		o-Xylene	20.000	19.999	0.0	101	0.03
11		1,3-Dichlorobenzene	20.000	20.152	-0.8	103	0.03
12		1,4-Dichlorobenzene	20.000	19.908	0.5	101	0.03
13		1,2-Dichlorobenzene	20.000	17.892	10.5	90	0.03

Average % D = 2.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039601.D DUAL0603.M Mon Jun 28 08:48:13 2004 EF

Continuing Calibration Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3220-CC3177
Lab FileID: EF040654.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062604\EF040654.D\FID1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA\062604\EF040654.D\FID2B.CH
Acq On : 26 Jun 2004 11:28 pm Operator: ClaireV
Sample : cc3177-20 Inst : VOA1
Misc : gc3645,gef3220,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	21.092	-5.5	109	0.03
2		Di-Isopropyl ether	20.000	20.113	-0.6	101	0.03
3		Benzene	20.000	20.647	-3.2	107	0.03
4	S	a,a,a-TFT(S)	20.000	19.493	2.5	102	0.03
5		Toluene	20.000	20.222	-1.1	106	0.04
6	S	1-Chloro-4-Fluorobenzene	20.000	18.948	5.3	100	0.04
7		Chlorobenzene	20.000	20.551	-2.8	106	0.04
8		Ethylbenzene	20.000	20.720	-3.6	106	0.04
9		m,p-Xylene	40.000	41.926	-4.8	107	0.04
10		o-Xylene	20.000	20.357	-1.8	105	0.04
11		1,3-Dichlorobenzene	20.000	21.844	-9.2	110	0.04
12		1,4-Dichlorobenzene	20.000	22.253	-11.3	112	0.04
13		1,2-Dichlorobenzene	20.000	19.420	2.9	101	0.04

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.831	-4.2	104	0.02
2		Di-Isopropyl ether	20.000	19.908	0.5	101	0.02
3		Benzene	20.000	21.019	-5.1	107	0.03
4	S	a,a,a-TFT(S)	20.000	19.377	3.1	101	0.03
5		Toluene	20.000	20.647	-3.2	106	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.017	4.9	99	0.03
7		Chlorobenzene	20.000	20.556	-2.8	105	0.03
8		Ethylbenzene	20.000	21.056	-5.3	106	0.03
9		m,p-Xylene	40.000	41.545	-3.9	105	0.04
10		o-Xylene	20.000	20.808	-4.0	105	0.04
11		1,3-Dichlorobenzene	20.000	21.738	-8.7	111	0.04
12		1,4-Dichlorobenzene	20.000	21.794	-9.0	111	0.04
13		1,2-Dichlorobenzene	20.000	19.682	1.6	99	0.03

Average % D = 4.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039601.D DUAL0603.M Mon Jun 28 08:48:14 2004 EF

Continuing Calibration Summary

Job Number: F24831
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3220-CC3177
Lab FileID: EF040665.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062604\EF040665.D\FID1A.CH Vial: 43
Signal #2 : C:\HPCHEM\1\DATA\062604\EF040665.D\FID2B.CH
Acq On : 27 Jun 2004 3:57 am Operator: ClaireV
Sample : cc3177-20 Inst : VOA1
Misc : gc3645,gef3220,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0603.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 03 11:19:16 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.292	-1.5	105	0.03
2		Di-Isopropyl ether	20.000	19.357	3.2	98	0.03
3		Benzene	20.000	19.450	2.8	101	0.03
4	S	a,a,a-TFT(S)	20.000	19.607	2.0	103	0.03
5		Toluene	20.000	19.005	5.0	100	0.04
6	S	1-Chloro-4-Fluorobenzene	20.000	19.072	4.6	101	0.04
7		Chlorobenzene	20.000	19.244	3.8	99	0.04
8		Ethylbenzene	20.000	19.521	2.4	100	0.04
9		m,p-Xylene	40.000	39.160	2.1	100	0.04
10		o-Xylene	20.000	19.010	4.9	98	0.04
11		1,3-Dichlorobenzene	20.000	20.235	-1.2	102	0.04
12		1,4-Dichlorobenzene	20.000	20.150	-0.7	101	0.04
13		1,2-Dichlorobenzene	20.000	17.415	12.9	91	0.04

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.245	-1.2	101	0.02
2		Di-Isopropyl ether	20.000	19.276	3.6	97	0.02
3		Benzene	20.000	19.783	1.1	101	0.03
4	S	a,a,a-TFT(S)	20.000	19.810	1.0	103	0.03
5		Toluene	20.000	19.480	2.6	100	0.03
6	S	1-Chloro-4-Fluorobenzene	20.000	19.119	4.4	100	0.03
7		Chlorobenzene	20.000	19.545	2.3	100	0.03
8		Ethylbenzene	20.000	19.758	1.2	100	0.03
9		m,p-Xylene	40.000	38.889	2.8	98	0.03
10		o-Xylene	20.000	19.515	2.4	98	0.03
11		1,3-Dichlorobenzene	20.000	20.310	-1.5	103	0.04
12		1,4-Dichlorobenzene	20.000	20.154	-0.8	102	0.04
13		1,2-Dichlorobenzene	20.000	17.860	10.7	90	0.03

Average % D = 3.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF039601.D DUAL0603.M Mon Jun 28 08:48:15 2004 EF

September 2004 Groundwater Laboratory Report

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F26791

Sampling Dates: 09/14/04 - 09/15/04

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

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

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

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Sample Summary

EEI

Job No: F26791

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F26791-1	09/14/04	11:50	BS	09/16/04	AQ	Ground Water	UST645-MW21
F26791-2	09/14/04	14:15	BS	09/16/04	AQ	Ground Water	UST645-MW01
F26791-3	09/14/04	15:00	BS	09/16/04	AQ	Ground Water	UST645-MW02
F26791-4	09/14/04	00:00	BS	09/16/04	AQ	Ground Water	UST645-DUP
F26791-5	09/15/04	08:15	BS	09/16/04	AQ	Ground Water	UST645-MW03
F26791-6	09/14/04	16:15	BS	09/16/04	AQ	Ground Water	UST645-MW15
F26791-7	09/15/04	09:00	BS	09/16/04	AQ	Ground Water	UST645-MW09
F26791-8	09/15/04	10:00	BS	09/16/04	AQ	Ground Water	UST645-MW12
F26791-9	09/15/04	10:50	BS	09/16/04	AQ	Ground Water	UST645-MW23
F26791-10	09/15/04	11:25	BS	09/16/04	AQ	Ground Water	UST645-MW22
F26791-11	09/15/04	12:25	BS	09/16/04	AQ	Ground Water	UST645-MW18
F26791-12	09/15/04	14:00	BS	09/16/04	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EEI **Job No:** F26791

Site: Camp Lejeune-Bldg 645 **Report Date:** 9/28/2004 5:25:07 PM

11 Samples were collected on between 09/14/2004 and 09/15/2004 and were received at Accutest on 09/16/2004 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F26791. 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.

Extractables by GCMS by Method EPA 625

Matrix: AQ **Batch ID:** OP11347

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 F26791-1MS, F26791-1MSD were used as the QC samples indicated.

Volatiles by GC By Method EPA 601/602

Matrix: AQ **Batch ID:** GEF3362

All samples were analyzed within the recommended method holding time.

Samples F26791-1MS, F26791-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F26791-1: All hits confirmed by dual column analysis.

F26791-6: All hits confirmed by dual column analysis.

F26791-4: All hits confirmed by dual column analysis.

F26791-10: All hits confirmed by dual column analysis.

Matrix: AQ **Batch ID:** GEF3363

All samples were analyzed within the recommended method holding time.

Samples F26810-3MS, F26810-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS and MSD Recoverys for 1,2-Dichlorobenzene are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Recoverys for Ethylbenzene, Methyl Tert Butyl Ether are outside control limits. Outside control limits due to high level in sample relative to spike amount.

F26791-11: All hits confirmed by dual column analysis.

F26791-3: Confirmed by GC/MS

F26791-8: All hits confirmed by dual column analysis.

F26791-5: All hits confirmed by dual column analysis.

F26791-3, F26791-5, F26791-8 for 1,2-Dichlorobenzene: Elevated reporting limits due to matrix interference.

Samples F26810-3MS, F26810-3MSD have surrogates outside control limits. Probable cause: due to matrix interference.

F26810-3MS and F26810-3MSD for aaa-Trifluorotoluene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Matrix: AQ **Batch ID:** GEF3365

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F26810-2MS, F26810-2MSD were used as the QC samples indicated.

F26791-2: All hits confirmed by dual column analysis.

F26791-2 for Methyl Tert Butyl Ether: Elevated reporting limits due to matrix interference.

F26791-2 for 1,2-Dichlorobenzene: Elevated reporting limits 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: Sept 28, 2004

Ellen Pampel, Inorganic QA (signature on file)

Tuesday, September 28, 2004

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F26791-1	**Date Sampled:**	09/14/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023455.D	1	09/22/04	SD	09/20/04	OP11347	SL1247
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		49-119%
321-60-8	2-Fluorobiphenyl	92%		45-118%
1718-51-0	Terphenyl-d14	93%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F26791-1	**Date Sampled:**	09/14/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF044187.D	1	09/22/04	CV	n/a	n/a	GEF3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.96	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	1.5	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	92%		70-123%
98-08-8	aaa-Trifluorotoluene	98%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F26791-2	**Date Sampled:**	09/14/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023458.D	1	09/22/04	SD	09/20/04	OP11347	SL1247
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	45.7	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	67.6	4.8	0.96	ug/l	
91-20-3	Naphthalene	50.0	4.8	0.96	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		49-119%
321-60-8	2-Fluorobiphenyl	90%		45-118%
1718-51-0	Terphenyl-d14	90%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F26791-2	**Date Sampled:**	09/14/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF044267.D	2	09/24/04	CV	n/a	n/a	GEF3365
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.0	2.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	200	200	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	107	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [b]	ND	10	10	ug/l	
108-88-3	Toluene	82.8	2.0	1.0	ug/l	
1330-20-7	Xylenes (total)	300	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	106%		70-123%
98-08-8	aaa-Trifluorotoluene	111%		73-122%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F26791-3	**Date Sampled:**	09/14/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023459.D	1	09/22/04	SD	09/20/04	OP11347	SL1247
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	34.0	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	54.1	4.8	0.95	ug/l	
91-20-3	Naphthalene	38.2	4.8	0.95	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		49-119%
321-60-8	2-Fluorobiphenyl	89%		45-118%
1718-51-0	Terphenyl-d14	89%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F26791-3	**Date Sampled:**	09/14/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF044209.D	5	09/23/04	CV	n/a	n/a	GEF3363
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	2.5	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.5	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	100	100	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
100-41-4	Ethylbenzene	77.9	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	52	5.0	2.5	ug/l	
108-88-3	Toluene	13.8	5.0	2.5	ug/l	
1330-20-7	Xylenes (total)	479	15	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	103%		70-123%
98-08-8	aaa-Trifluorotoluene	107%		73-122%

(a) Confirmed by GC/MS
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F26791-4	**Date Sampled:**	09/14/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023460.D	1	09/22/04	SD	09/20/04	OP11347	SL1247
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	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	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	1.9	ug/l	
90-12-0	1-Methylnaphthalene	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	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	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		49-119%
321-60-8	2-Fluorobiphenyl	87%		45-118%
1718-51-0	Terphenyl-d14	88%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F26791-4	**Date Sampled:**	09/14/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF044190.D	1	09/22/04	CV	n/a	n/a	GEF3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.0	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	1.6	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
98-08-8	aaa-Trifluorotoluene	102%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F26791-5	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023461.D	1	09/22/04	SD	09/20/04	OP11347	SL1247
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	10.8	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	13.7	4.8	0.95	ug/l	
91-20-3	Naphthalene	24.8	4.8	0.95	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		49-119%
321-60-8	2-Fluorobiphenyl	97%		45-118%
1718-51-0	Terphenyl-d14	97%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F26791-5	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF044207.D	1	09/23/04	CV	n/a	n/a	GEF3363
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.98	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	50	50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	26.3	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	4.9	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	88.1	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	100%		70-123%
98-08-8	aaa-Trifluorotoluene	102%		73-122%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F26791-6	**Date Sampled:**	09/14/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023462.D	1	09/23/04	SD	09/20/04	OP11347	SL1247
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		49-119%
321-60-8	2-Fluorobiphenyl	87%		45-118%
1718-51-0	Terphenyl-d14	85%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F26791-6	**Date Sampled:**	09/14/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF044193.D	1	09/22/04	CV	n/a	n/a	GEF3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.3	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	1.5	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.86	1.0	0.50	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	52.1	1.0	0.50	ug/l	
108-88-3	Toluene	0.92	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	2.5	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	95%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F26791-7	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023463.D	1	09/23/04	SD	09/20/04	OP11347	SL1247
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		49-119%
321-60-8	2-Fluorobiphenyl	90%		45-118%
1718-51-0	Terphenyl-d14	89%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F26791-7	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF044194.D	1	09/22/04	CV	n/a	n/a	GEF3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F26791-8	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023487.D	2	09/23/04	SD	09/20/04	OP11347	SL1248
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	9.5	1.9	ug/l	
208-96-8	Acenaphthylene	ND	9.5	1.9	ug/l	
120-12-7	Anthracene	ND	9.5	1.9	ug/l	
56-55-3	Benzo(a)anthracene	ND	9.5	1.9	ug/l	
50-32-8	Benzo(a)pyrene	ND	9.5	1.9	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	9.5	1.9	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	9.5	3.8	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	9.5	1.9	ug/l	
218-01-9	Chrysene	ND	9.5	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	9.5	3.8	ug/l	
206-44-0	Fluoranthene	ND	9.5	1.9	ug/l	
86-73-7	Fluorene	ND	9.5	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	9.5	3.8	ug/l	
90-12-0	1-Methylnaphthalene	52.3	9.5	1.9	ug/l	
91-57-6	2-Methylnaphthalene	83.5	9.5	1.9	ug/l	
91-20-3	Naphthalene	170	9.5	1.9	ug/l	
85-01-8	Phenanthrene	ND	9.5	1.9	ug/l	
129-00-0	Pyrene	ND	9.5	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		49-119%
321-60-8	2-Fluorobiphenyl	93%		45-118%
1718-51-0	Terphenyl-d14	92%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F26791-8	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF044210.D	10	09/23/04	CV	n/a	n/a	GEF3363
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	10.1	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	150	150	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.0	ug/l	
100-41-4	Ethylbenzene	303	10	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
108-88-3	Toluene	47.0	10	5.0	ug/l	
1330-20-7	Xylenes (total)	1150	30	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	103%		70-123%
98-08-8	aaa-Trifluorotoluene	105%		73-122%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F26791-9	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023465.D	1	09/23/04	SD	09/20/04	OP11347	SL1247
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		49-119%
321-60-8	2-Fluorobiphenyl	93%		45-118%
1718-51-0	Terphenyl-d14	93%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F26791-9	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF044208.D	1	09/23/04	CV	n/a	n/a	GEF3363
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	94%		70-123%
98-08-8	aaa-Trifluorotoluene	100%		73-122%

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

Report of Analysis

Client Sample ID: UST645-MW22
Lab Sample ID: F26791-10
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/15/04
Date Received: 09/16/04
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023466.D	1	09/23/04	SD	09/20/04	OP11347	SL1247
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		49-119%
321-60-8	2-Fluorobiphenyl	85%		45-118%
1718-51-0	Terphenyl-d14	84%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F26791-10	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF044197.D	1	09/23/04	CV	n/a	n/a	GEF3362
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	1.1	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	25.3	1.0	0.50	ug/l	
108-88-3	Toluene	1.4	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	2.7	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	96%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F26791-11	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023467.D	1	09/23/04	SD	09/20/04	OP11347	SL1247
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	8.7	4.8	0.95	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		49-119%
321-60-8	2-Fluorobiphenyl	75%		45-118%
1718-51-0	Terphenyl-d14	84%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F26791-11	**Date Sampled:**	09/15/04
Matrix:	AQ - Ground Water	**Date Received:**	09/16/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF044332.D	50	09/28/04	CV	n/a	n/a	GEF3367
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	266	50	25	ug/l	
108-90-7	Chlorobenzene	ND	50	25	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	25	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	25	ug/l	
100-41-4	Ethylbenzene	554	50	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
108-88-3	Toluene	1900	50	25	ug/l	
1330-20-7	Xylenes (total)	1360	150	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	97%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

(a) All hits confirmed by dual column analysis.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

9/16/04 M.M.

ACCUTEST JOB #: F26791
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Engineering & Environment
ADDRESS: 824 Gumbranch rd Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO:
PHONE #: 910-989-3214

FACILITY INFORMATION

PROJECT NAME: Building 645
LOCATION:
PROJECT NO.:
FAX #: 910-989-3241

ANALYTICAL INFORMATION

602 625

MATRIX CODE

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	602	625
1	UST645-MW21	9-14-04	11:50	BS	GW	5	X				X	3	2
2	UST645-MW01	9-14-04	14:15	BS	GW	5	X				X	3	2
3	UST645-MW02	9-14-04	15:25	BS	GW	5	X				X	3	2
4	UST645-Dup	9-14-04		BS	GW	5	X				X	3	2
5	UST645-MW03	9-15-04	8:15	BS	GW	5	X				X	3	2
6	UST645-MW15	9-14-04	16:15	BS	GW	5	X				X	3	2
7	UST645-MW09	9-15-04	9:20	BS	GW	5	X				X	3	2
8	UST645-MW12	9-15-04	10:00	BS	GW	5	X				X	3	2
9	UST645-MW23	9-15-04	10:50	BS	GW	5	X				X	3	2
10	UST645-MW22	9-16-04	11:25	BS	GW	5	X				X	3	2
11	UST645-MW18	9-15-04	12:20	BS	GW	5	X				X	3	2
12	Trip Blank	9-15-04	14:00	BS								3	2

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [x] OTHER (SPECIFY) NCEQC 4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
Bob Sellers					
1.	9-15-04 1950	1. FX	2. FX		2. 9-16-04 400
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE °C

F26791: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F26791 M M 9/16/04

Client: Engineering & Environmental Project: Building 645

Date Received: 9-16-04 Time Received: 9:00

# of Coolers Received: 1 Cooler Temperatures: 3.2

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?	Yes	No	
Chain of Custody Provided ?	Yes	No	
COC Match Bottle Label ID's ?	Yes	No	
Sample Labels Present on all bottles ?	Yes	No	
All Analyses Marked On COC ?	Yes	No	
Are All Bottles Intact ?	Yes	No	
Samples Preserved Correctly ?	Yes	No	
Correct Number of Containers Used ?	Yes	No	
Sufficient Sample Volume ?	Yes	No	
Trip Blank Provided ?	Yes	No	
Trip Blank on COC ?	Yes	No	
Trip Blank Intact ?	Yes	No	
Trip Blank Matrix ?	Soil	Water	N/A
Number of Encores ?	0		
Number of Soil Field Kits ?	0		

Summary of Comments:

Signature: Steven Ewan Date: 9-16-04

Review Signature:

ASBD/HW 05/11/03

F26791: Chain of Custody
Page 2 of 2

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11347-MB	L023453.D	1	09/22/04	SD	09/20/04	OP11347	SL1247

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

F26791-1, F26791-2, F26791-3, F26791-4, F26791-5, F26791-6, F26791-7, F26791-8, F26791-9, F26791-10, F26791-11

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

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	76%	49-119%
321-60-8	2-Fluorobiphenyl	87%	45-118%
1718-51-0	Terphenyl-d14	88%	46-135%

Method Blank Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11347-MB	L023485.D	1	09/23/04	SD	09/20/04	OP11347	SL1248

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

F26791-1, F26791-2, F26791-3, F26791-4, F26791-5, F26791-6, F26791-7, F26791-8, F26791-9, F26791-10, F26791-11

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

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	76%	49-119%
321-60-8	2-Fluorobiphenyl	88%	45-118%
1718-51-0	Terphenyl-d14	86%	46-135%

Method Blank Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11347-MB	L023542.D	1	09/28/04	SD	09/20/04	OP11347	SL1250

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

F26791-1, F26791-2, F26791-3, F26791-4, F26791-5, F26791-6, F26791-7, F26791-8, F26791-9, F26791-10, F26791-11

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

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	91%	49-119%
321-60-8	2-Fluorobiphenyl	100%	45-118%
1718-51-0	Terphenyl-d14	105%	46-135%

Blank Spike Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11347-BS	L023452.D	1	09/22/04	SD	09/20/04	OP11347	SL1247

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

F26791-1, F26791-2, F26791-3, F26791-4, F26791-5, F26791-6, F26791-7, F26791-8, F26791-9, F26791-10, F26791-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	45.6	91	69-101
208-96-8	Acenaphthylene	50	46.5	93	75-113
120-12-7	Anthracene	50	45.3	91	75-107
56-55-3	Benzo(a)anthracene	50	46.2	92	73-106
50-32-8	Benzo(a)pyrene	50	46.0	92	75-114
205-99-2	Benzo(b)fluoranthene	50	45.2	90	73-110
191-24-2	Benzo(g,h,i)perylene	50	41.2	82	63-115
207-08-9	Benzo(k)fluoranthene	50	44.7	89	73-112
218-01-9	Chrysene	50	46.7	93	73-103
53-70-3	Dibenzo(a,h)anthracene	50	43.5	87	63-115
206-44-0	Fluoranthene	50	46.1	92	73-111
86-73-7	Fluorene	50	45.4	91	70-105
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.7	81	63-118
90-12-0	1-Methylnaphthalene	50	41.0	82	63-99
91-57-6	2-Methylnaphthalene	50	42.1	84	66-100
91-20-3	Naphthalene	50	41.1	82	67-101
85-01-8	Phenanthrene	50	46.1	92	73-104
129-00-0	Pyrene	50	46.9	94	69-105

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	77%	49-119%
321-60-8	2-Fluorobiphenyl	88%	45-118%
1718-51-0	Terphenyl-d14	89%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11347-MS	L023456.D	1	09/22/04	SD	09/20/04	OP11347	SL1247
OP11347-MSD	L023457.D	1	09/22/04	SD	09/20/04	OP11347	SL1247
F26791-1	L023455.D	1	09/22/04	SD	09/20/04	OP11347	SL1247

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

F26791-1, F26791-2, F26791-3, F26791-4, F26791-5, F26791-6, F26791-7, F26791-8, F26791-9, F26791-10, F26791-11

CAS No.	Compound	F26791-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		96.2	90.6	94	90.1	94	1	60-103/20
208-96-8	Acenaphthylene	ND		96.2	92.7	96	92.1	96	1	67-113/20
120-12-7	Anthracene	ND		96.2	91.6	95	91.7	95	0	71-105/14
56-55-3	Benzo(a)anthracene	ND		96.2	91.9	96	91.0	95	1	70-103/16
50-32-8	Benzo(a)pyrene	ND		96.2	92.3	96	92.3	96	0	70-113/16
205-99-2	Benzo(b)fluoranthene	ND		96.2	87.0	90	88.5	92	2	67-110/17
191-24-2	Benzo(g,h,i)perylene	ND		96.2	82.6	86	83.4	87	1	63-111/17
207-08-9	Benzo(k)fluoranthene	ND		96.2	93.0	97	94.7	98	2	68-110/17
218-01-9	Chrysene	ND		96.2	93.3	97	92.2	96	1	70-100/18
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	88.5	92	88.7	92	0	62-111/20
206-44-0	Fluoranthene	ND		96.2	91.8	95	92.9	97	1	67-108/17
86-73-7	Fluorene	ND		96.2	89.6	93	91.5	95	2	65-105/17
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	84.0	87	83.6	87	0	66-111/19
90-12-0	1-Methylnaphthalene	ND		96.2	81.6	85	83.0	86	2	55-97/23
91-57-6	2-Methylnaphthalene	ND		96.2	82.5	86	83.1	86	1	56-100/23
91-20-3	Naphthalene	ND		96.2	82.4	86	81.7	85	1	52-102/23
85-01-8	Phenanthrene	ND		96.2	93.8	98	93.4	97	0	69-103/15
129-00-0	Pyrene	ND		96.2	92.3	96	91.1	95	1	64-107/21

CAS No.	Surrogate Recoveries	MS	MSD	F26791-1	Limits
4165-60-0	Nitrobenzene-d5	82%	79%	80%	49-119%
321-60-8	2-Fluorobiphenyl	91%	89%	92%	45-118%
1718-51-0	Terphenyl-d14	91%	90%	93%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1209-DFTPP
Lab File ID: L022629.D
Instrument ID: GCMSL
Injection Date: 07/27/04
Injection Time: 10:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	58565	43.1		Pass
68	Less than 2.0% of mass 69	291	0.21	(0.58) [a]	Pass
69	Mass 69 relative abundance	49817	36.7		Pass
70	Less than 2.0% of mass 69	148	0.11	(0.3) [a]	Pass
127	40.0 - 60.0% of mass 198	65451	48.2		Pass
197	Less than 1.0% of mass 198	150	0.11		Pass
198	Base peak, 100% relative abundance	135749	100.0		Pass
199	5.0 - 9.0% of mass 198	9064	6.7		Pass
275	10.0 - 30.0% of mass 198	27838	20.5		Pass
365	1.0 - 100.0% of mass 198	2821	2.1		Pass
441	Present, but less than mass 443	12147	8.9	(70.5) [b]	Pass
442	40.0 - 100.0% of mass 198	87441	64.4		Pass
443	17.0 - 23.0% of mass 442	17238	12.7	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1209-IC1209	L022630.D	07/27/04	11:16	00:18	Initial cal 5
SL1209-IC1209	L022631.D	07/27/04	11:46	00:48	Initial cal 25
SL1209-IC1209	L022632.D	07/27/04	12:16	01:18	Initial cal 50
SL1209-ICC1209	L022633.D	07/27/04	12:45	01:47	Initial cal 75
SL1209-IC1209	L022634.D	07/27/04	13:15	02:17	Initial cal 100
SL1209-IC1209	L022635.D	07/27/04	13:45	02:47	Initial cal 125
SL1209-ICV1209	L022636.D	07/27/04	14:15	03:17	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1247-DFTPP
Lab File ID: L023436.D
Instrument ID: GCMSL
Injection Date: 09/22/04
Injection Time: 10:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	104189	37.4		Pass
68	Less than 2.0% of mass 69	393	0.14	(0.42) [a]	Pass
69	Mass 69 relative abundance	93556	33.5		Pass
70	Less than 2.0% of mass 69	389	0.14	(0.42) [a]	Pass
127	40.0 - 60.0% of mass 198	130804	46.9		Pass
197	Less than 1.0% of mass 198	280	0.1		Pass
198	Base peak, 100% relative abundance	278872	100.0		Pass
199	5.0 - 9.0% of mass 198	19205	6.9		Pass
275	10.0 - 30.0% of mass 198	59061	21.2		Pass
365	1.0 - 100.0% of mass 198	4784	1.7		Pass
441	Present, but less than mass 443	24871	8.9	(73.8) [b]	Pass
442	40.0 - 100.0% of mass 198	173896	62.4		Pass
443	17.0 - 23.0% of mass 442	33723	12.1	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1247-CC1209	L023437.D	09/22/04	11:15	00:22	Continuing cal 75
OP11326-BS	L023438.D	09/22/04	11:45	00:52	Blank Spike
OP11326-MB	L023439.D	09/22/04	12:15	01:22	Method Blank
ZZZZZZ	L023440.D	09/22/04	13:08	02:15	(unrelated sample)
ZZZZZZ	L023441.D	09/22/04	13:37	02:44	(unrelated sample)
F26716-2	L023442.D	09/22/04	14:11	03:18	(used for QC only; not part of job F26791)
ZZZZZZ	L023445.D	09/22/04	15:43	04:50	(unrelated sample)
ZZZZZZ	L023446.D	09/22/04	16:13	05:20	(unrelated sample)
ZZZZZZ	L023447.D	09/22/04	16:43	05:50	(unrelated sample)
ZZZZZZ	L023451.D	09/22/04	18:44	07:51	(unrelated sample)
OP11347-BS	L023452.D	09/22/04	19:14	08:21	Blank Spike
OP11347-MB	L023453.D	09/22/04	19:43	08:50	Method Blank
F26791-1	L023455.D	09/22/04	20:43	09:50	UST645-MW21
OP11347-MS	L023456.D	09/22/04	21:12	10:19	Matrix Spike
OP11347-MSD	L023457.D	09/22/04	21:42	10:49	Matrix Spike Duplicate
F26791-2	L023458.D	09/22/04	22:12	11:19	UST645-MW01
F26791-3	L023459.D	09/22/04	22:42	11:49	UST645-MW02
F26791-4	L023460.D	09/22/04	23:12	12:19	UST645-DUP
F26791-5	L023461.D	09/22/04	23:41	12:48	UST645-MW03

Instrument Performance Check (DFTPP)

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SL1247-DFTPP	**Injection Date:**	09/22/04
Lab File ID:	L023436.D	**Injection Time:**	10:53
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F26791-6	L023462.D	09/23/04	00:11	13:18	UST645-MW15
F26791-7	L023463.D	09/23/04	00:41	13:48	UST645-MW09
F26791-9	L023465.D	09/23/04	01:41	14:48	UST645-MW23
F26791-10	L023466.D	09/23/04	02:10	15:17	UST645-MW22
F26791-11	L023467.D	09/23/04	02:40	15:47	UST645-MW18
ZZZZZZ	L023468.D	09/23/04	03:10	16:17	(unrelated sample)
ZZZZZZ	L023469.D	09/23/04	03:40	16:47	(unrelated sample)
ZZZZZZ	L023470.D	09/23/04	04:10	17:17	(unrelated sample)
ZZZZZZ	L023471.D	09/23/04	04:39	17:46	(unrelated sample)
ZZZZZZ	L023472.D	09/23/04	05:09	18:16	(unrelated sample)
ZZZZZZ	L023473.D	09/23/04	05:39	18:46	(unrelated sample)
ZZZZZZ	L023474.D	09/23/04	06:09	19:16	(unrelated sample)
ZZZZZZ	L023475.D	09/23/04	06:39	19:46	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1248-DFTPP
Lab File ID: L023476.D
Instrument ID: GCMSL
Injection Date: 09/23/04
Injection Time: 09:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	64823	38.6		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	56704	33.8		Pass
70	Less than 2.0% of mass 69	233	0.14	(0.41) [a]	Pass
127	40.0 - 60.0% of mass 198	81267	48.4		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	167821	100.0		Pass
199	5.0 - 9.0% of mass 198	11505	6.9		Pass
275	10.0 - 30.0% of mass 198	36633	21.8		Pass
365	1.0 - 100.0% of mass 198	3418	2.0		Pass
441	Present, but less than mass 443	16072	9.6	(73.7) [b]	Pass
442	40.0 - 100.0% of mass 198	112488	67.0		Pass
443	17.0 - 23.0% of mass 442	21815	13.0	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1248-CC1209	L023477.D	09/23/04	10:40	01:11	Continuing cal 50
OP11326-MB	L023478.D	09/23/04	11:10	01:41	Method Blank
ZZZZZZ	L023479.D	09/23/04	11:40	02:11	(unrelated sample)
ZZZZZZ	L023480.D	09/23/04	12:10	02:41	(unrelated sample)
ZZZZZZ	L023481.D	09/23/04	12:40	03:11	(unrelated sample)
F26716-2	L023482.D	09/23/04	13:10	03:41	(used for QC only; not part of job F26791)
OP11326-MS	L023483.D	09/23/04	13:40	04:11	Matrix Spike
OP11326-MSD	L023484.D	09/23/04	14:10	04:41	Matrix Spike Duplicate
OP11347-MB	L023485.D	09/23/04	14:40	05:11	Method Blank
ZZZZZZ	L023486.D	09/23/04	15:11	05:42	(unrelated sample)
F26791-8	L023487.D	09/23/04	15:41	06:12	UST645-MW12
OP11371-BS	L023488.D	09/23/04	16:12	06:43	Blank Spike
OP11371-MB	L023489.D	09/23/04	16:42	07:13	Method Blank
ZZZZZZ	L023490.D	09/23/04	17:13	07:44	(unrelated sample)
ZZZZZZ	L023491.D	09/23/04	17:43	08:14	(unrelated sample)
ZZZZZZ	L023492.D	09/23/04	18:13	08:44	(unrelated sample)
ZZZZZZ	L023493.D	09/23/04	18:43	09:14	(unrelated sample)
ZZZZZZ	L023494.D	09/23/04	19:14	09:45	(unrelated sample)
F26799-9	L023495.D	09/23/04	19:44	10:15	(used for QC only; not part of job F26791)

Instrument Performance Check (DFTPP)

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SL1248-DFTPP	**Injection Date:**	09/23/04
Lab File ID:	L023476.D	**Injection Time:**	09:29
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP11371-MS	L023496.D	09/23/04	20:13	10:44	Matrix Spike
OP11371-MSD	L023497.D	09/23/04	20:43	11:14	Matrix Spike Duplicate
ZZZZZZ	L023498.D	09/23/04	21:13	11:44	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1250-DFTPP
Lab File ID: L023540.D
Instrument ID: GCMSL
Injection Date: 09/28/04
Injection Time: 13:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	86975	39.5		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	78797	35.7		Pass
70	Less than 2.0% of mass 69	502	0.23	(0.64) [a]	Pass
127	40.0 - 60.0% of mass 198	105708	47.9		Pass
197	Less than 1.0% of mass 198	160	0.07		Pass
198	Base peak, 100% relative abundance	220461	100.0		Pass
199	5.0 - 9.0% of mass 198	15541	7.0		Pass
275	10.0 - 30.0% of mass 198	44376	20.1		Pass
365	1.0 - 100.0% of mass 198	4387	2.0		Pass
441	Present, but less than mass 443	23536	10.7	(72.6) [b]	Pass
442	40.0 - 100.0% of mass 198	160389	72.8		Pass
443	17.0 - 23.0% of mass 442	32419	14.7	(20.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1250-CC1209	L023541.D	09/28/04	13:19	00:19	Continuing cal 75
OP11347-MB	L023542.D	09/28/04	13:49	00:49	Method Blank
ZZZZZZ	L023543.D	09/28/04	14:20	01:20	(unrelated sample)
OP11364-MB	L023544.D	09/28/04	14:51	01:51	Method Blank
ZZZZZZ	L023545.D	09/28/04	15:22	02:22	(unrelated sample)
ZZZZZZ	L023546.D	09/28/04	15:53	02:53	(unrelated sample)
ZZZZZZ	L023547.D	09/28/04	16:24	03:24	(unrelated sample)
OP11350-BS	L023548.D	09/28/04	16:55	03:55	Blank Spike
OP11350-MB	L023549.D	09/28/04	17:26	04:26	Method Blank
F26768-11	L023550.D	09/28/04	17:56	04:56	(used for QC only; not part of job F26791)
OP11350-MS	L023551.D	09/28/04	18:27	05:27	Matrix Spike
OP11350-MSD	L023552.D	09/28/04	18:58	05:58	Matrix Spike Duplicate
ZZZZZZ	L023553.D	09/28/04	19:29	06:29	(unrelated sample)
ZZZZZZ	L023554.D	09/28/04	19:59	06:59	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SL1247-CC1209 **Injection Date:** 09/22/04
Lab File ID: L023437.D **Injection Time:** 11:15
Instrument ID: GCMSL **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	219089	4.99	818857	6.15	426271	8.47	746931	10.95	595178	15.89	570723	18.41
Upper Limit [a]	438178	5.49	1637714	6.65	852542	8.97	1493862	11.45	1190356	16.39	1141446	18.91
Lower Limit [b]	109545	4.49	409429	5.65	213136	7.97	373466	10.45	297589	15.39	285362	17.91

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP11326-BS	225648	4.98	826935	6.15	430130	8.47	728773	10.94	598647	15.89	556652	18.41
OP11326-MB	230871	4.98	845230	6.14	430198	8.47	703450	10.94	553349	15.88	486570	18.40
ZZZZZZ	249732	4.98	920548	6.15	475923	8.47	781999	10.94	639231	15.89	570963	18.41
ZZZZZZ	236225	4.98	856318	6.15	440613	8.47	725338	10.95	599312	15.88	524370	18.40
F26716-2	241555	4.98	866806	6.15	447284	8.47	735642	10.95	574776	15.89	519046	18.40
ZZZZZZ	244313	4.98	907897	6.14	464612	8.47	754351	10.94	617713	15.88	528380	18.40
ZZZZZZ	235759	4.98	857323	6.14	445295	8.46	734097	10.94	576666	15.88	518797	18.40
ZZZZZZ	235435	4.98	873133	6.15	454564	8.47	750985	10.94	624881	15.88	556696	18.40
ZZZZZZ	239078	4.98	849589	6.15	465274	8.47	760240	10.94	617312	15.88	569168	18.40
OP11347-BS	235254	4.98	874781	6.15	455905	8.47	761284	10.95	615199	15.89	563621	18.40
OP11347-MB	227680	4.98	851771	6.15	440898	8.47	725561	10.94	599681	15.88	541207	18.40
F26791-1	230880	4.98	857619	6.15	445025	8.47	729605	10.94	604992	15.88	550053	18.40
OP11347-MS	240554	4.98	886657	6.15	456580	8.47	748640	10.94	608675	15.89	590418	18.41
OP11347-MSD	235561	4.98	884171	6.15	464146	8.47	776179	10.94	644401	15.89	583665	18.41
F26791-2	229730	4.98	829769	6.15	438696	8.47	717398	10.94	603452	15.88	529263	18.40
F26791-3	243779	4.98	881894	6.15	464764	8.47	764025	10.94	645390	15.88	575725	18.40
F26791-4	232956	4.98	877230	6.15	458581	8.47	761605	10.94	633983	15.88	568915	18.40
F26791-5	219881	4.98	812895	6.15	420292	8.47	696640	10.94	562201	15.88	523258	18.40
F26791-6	220260	4.98	822326	6.15	425561	8.47	712854	10.94	606593	15.88	544326	18.40
F26791-7	224972	4.98	836159	6.15	429780	8.47	720991	10.94	603787	15.88	537317	18.40
F26791-9	253107	4.98	922263	6.15	475565	8.47	787419	10.94	634305	15.88	565173	18.40
F26791-10	240481	4.98	890250	6.14	461405	8.47	768851	10.94	631462	15.88	565721	18.40
F26791-11	245904	4.98	913542	6.14	481056	8.46	803966	10.94	664314	15.88	595929	18.40
ZZZZZZ	237105	4.98	883137	6.15	455220	8.46	762571	10.94	630712	15.88	584239	18.40
ZZZZZZ	244488	4.98	919919	6.14	477159	8.46	786338	10.94	651212	15.88	584186	18.40
ZZZZZZ	251157	4.98	925640	6.15	489434	8.47	818900	10.95	693641	15.88	616430	18.40
ZZZZZZ	240110	4.98	884723	6.15	460404	8.46	764509	10.94	640146	15.88	566790	18.40
ZZZZZZ	234274	4.98	868147	6.15	456138	8.47	755625	10.94	643201	15.88	566432	18.40
ZZZZZZ	255113	4.98	949141	6.15	501882	8.46	835087	10.94	718937	15.88	637960	18.40
ZZZZZZ	232182	4.98	856445	6.15	451495	8.46	757679	10.94	640934	15.88	570853	18.40
ZZZZZZ	254206	4.98	943425	6.15	488195	8.47	817409	10.94	697525	15.88	628635	18.40

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10

Semivolatile Internal Standard Area Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	SL1247-CC1209	**Injection Date:**	09/22/04
Lab File ID:	L023437.D	**Injection Time:**	11:15
Instrument ID:	GCMSL	**Method:**	EPA 625

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

IS 2 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SL1248-CC1209 **Injection Date:** 09/23/04
Lab File ID: L023477.D **Injection Time:** 10:40
Instrument ID: GCMSL **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	236510	4.98	887564	6.15	459752	8.47	779899	10.94	642236	15.89	602183	18.40
Upper Limit [a]	473020	5.48	1775128	6.65	919504	8.97	1559798	11.44	1284472	16.39	1204366	18.90
Lower Limit [b]	118255	4.48	443782	5.65	229876	7.97	389950	10.44	321118	15.39	301092	17.90
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP11326-MB	233752	4.98	869386	6.14	450816	8.46	757454	10.94	651442	15.88	578024	18.40
ZZZZZZ	212002	4.98	787747	6.15	412287	8.47	709024	10.95	610445	15.88	558525	18.40
ZZZZZZ	188660	4.98	659594	6.15	357751	8.47	584357	10.94	518466	15.88	522092	18.40
ZZZZZZ	236796	4.98	838893	6.15	451546	8.47	741282	10.95	615182	15.89	589398	18.40
F26716-2	253386	4.98	918080	6.15	482061	8.47	796122	10.94	659717	15.88	590505	18.40
OP11326-MS	240602	4.98	897677	6.15	462676	8.47	767321	10.94	640247	15.89	590307	18.40
OP11326-MSD	228952	4.98	844776	6.15	438289	8.47	735838	10.94	614292	15.89	565256	18.40
OP11347-MB	246409	4.98	926665	6.14	487225	8.47	821541	10.94	693095	15.88	609297	18.40
ZZZZZZ	211746	4.98	806942	6.15	414782	8.47	693226	10.94	575344	15.88	511878	18.40
F26791-8	228681	4.98	849817	6.15	451217	8.47	763822	10.94	633516	15.88	568793	18.40
OP11371-BS	230543	4.98	865417	6.15	456895	8.47	764033	10.94	628163	15.89	577891	18.40
OP11371-MB	244595	4.98	915574	6.14	474499	8.47	785828	10.94	656956	15.88	582193	18.40
ZZZZZZ	249474	4.98	928061	6.14	470801	8.46	790440	10.94	652251	15.88	566340	18.40
ZZZZZZ	256105	4.98	954037	6.14	496848	8.47	825962	10.94	698884	15.88	625359	18.40
ZZZZZZ	227802	4.98	834612	6.14	436855	8.47	735191	10.94	622657	15.88	551049	18.40
ZZZZZZ	258267	4.98	966074	6.14	501698	8.47	829495	10.94	696727	15.88	619799	18.40
ZZZZZZ	236022	4.98	884461	6.14	455653	8.47	736974	10.94	617086	15.88	553893	18.40
F26799-9	234366	4.98	860242	6.14	453479	8.47	747304	10.94	616622	15.88	552781	18.40
OP11371-MS	238489	4.98	898949	6.14	459010	8.47	773359	10.95	649583	15.89	584164	18.41
OP11371-MSD	232773	4.98	870326	6.14	453081	8.47	747245	10.95	608868	15.89	559444	18.40
ZZZZZZ	216533	4.98	809954	6.14	418962	8.47	700076	10.94	587319	15.88	534303	18.40

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SL1250-CC1209 **Injection Date:** 09/28/04
Lab File ID: L023541.D **Injection Time:** 13:19
Instrument ID: GCMSL **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	260090	4.96	1012233	6.12	517079	8.44	905319	10.92	658508	15.86	603763	18.38
Upper Limit [a]	520180	5.46	2024466	6.62	1034158	8.94	1810638	11.42	1317016	16.36	1207526	18.88
Lower Limit [b]	130045	4.46	506117	5.62	258540	7.94	452660	10.42	329254	15.36	301882	17.88

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP11347-MB	217966	4.96	832039	6.12	418088	8.43	702359	10.90	533523	15.85	457927	18.37
ZZZZZZ	230629	4.96	857760	6.12	426199	8.43	705114	10.91	542604	15.85	456033	18.37
OP11364-MB	272218	4.96	1017237	6.12	515534	8.43	821046	10.91	636465	15.85	536286	18.37
ZZZZZZ	234292	4.96	870130	6.12	442427	8.43	740546	10.91	559072	15.85	478714	18.37
ZZZZZZ	256962	4.96	929068	6.12	464974	8.44	746400	10.91	569400	15.85	481566	18.37
ZZZZZZ	256942	4.96	944592	6.12	476663	8.43	774221	10.91	589110	15.84	497772	18.37
OP11350-BS	217490	4.96	833687	6.12	428191	8.44	723730	10.91	548324	15.85	480997	18.37
OP11350-MB	242965	4.96	884493	6.12	444170	8.43	724131	10.90	560818	15.85	468913	18.37
F26768-11	244365	4.96	900925	6.12	448201	8.43	741136	10.90	575841	15.84	480970	18.37
OP11350-MS	217487	4.96	834564	6.12	424190	8.44	714308	10.91	544224	15.85	462587	18.37
OP11350-MSD	233428	4.96	878120	6.12	454519	8.44	761111	10.91	580089	15.85	493815	18.37
ZZZZZZ	249977	4.96	928394	6.12	467051	8.43	762584	10.91	576004	15.84	494462	18.36
ZZZZZZ	236253	4.96	868969	6.12	441402	8.43	710892	10.91	550870	15.85	468412	18.37

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
F26791-1	L023455.D	80.0	92.0	93.0
F26791-2	L023458.D	73.0	90.0	90.0
F26791-3	L023459.D	75.0	89.0	89.0
F26791-4	L023460.D	77.0	87.0	88.0
F26791-5	L023461.D	83.0	97.0	97.0
F26791-6	L023462.D	76.0	87.0	85.0
F26791-7	L023463.D	78.0	90.0	89.0
F26791-8	L023487.D	78.0	93.0	92.0
F26791-9	L023465.D	81.0	93.0	93.0
F26791-10	L023466.D	74.0	85.0	84.0
F26791-11	L023467.D	67.0	75.0	84.0
OP11347-BS	L023452.D	77.0	88.0	89.0
OP11347-MB	L023453.D	76.0	87.0	88.0
OP11347-MB	L023485.D	76.0	88.0	86.0
OP11347-MB	L023542.D	91.0	100.0	105.0
OP11347-MS	L023456.D	82.0	91.0	91.0
OP11347-MSD	L023457.D	79.0	89.0	90.0

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	49-119%
S2 = 2-Fluorobiphenyl	45-118%
S3 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1209-ICC1209
Lab FileID: L022633.D

Response Factor Report MSBNA02

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Jul 27 14:40:57 2004
Response via : Initial Calibration

Calibration Files
5 =L022630.D 25 =L022631.D 50 =L022632.D 75 =L022633.D
100 =L022634.D 125 =L022635.D icv =L022636.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.500	0.501	0.471	0.483	0.495	0.481		0.488	2.49
3) N-nitrosodimethyl	0.700	0.728	0.709	0.728	0.702	0.689		0.709	2.24
4) Pyridine	1.431	1.434	1.389	1.410	1.408	1.384		1.409	1.47
5) Benzaldehyde	1.120	1.152	1.095	1.060	1.041	0.977		1.074	5.79
6) Aniline	2.017	2.115	1.984	1.971	1.920	1.797		1.967	5.37
7)S 2-Fluorophenol	1.268	1.317	1.244	1.245	1.224	1.170		1.245	3.89
8) bis(2-Chloroethyl	1.171	1.257	1.191	1.202	1.206	1.157		1.197	2.90
9)S Phenol-d5	1.564	1.647	1.546	1.553	1.517	1.423		1.542	4.72
10)C Phenol	1.791	1.860	1.747	1.737	1.666	1.544		1.724	6.32
11) 2-Chlorophenol	1.437	1.465	1.412	1.438	1.441	1.423		1.436	1.27
12) 1,3-Dichlorobenze	1.537	1.579	1.488	1.538	1.546	1.482		1.528	2.40
13)C 1,4-Dichlorobenze	1.582	1.602	1.507	1.532	1.528	1.473		1.537	3.10
14) 1,2-Dichlorobenze	1.471	1.478	1.418	1.446	1.447	1.391		1.442	2.27
15) Benzyl alcohol	0.917	0.960	0.928	0.966	0.968	0.952		0.948	2.24
16) bis(2-chloroisopr	2.308	2.347	2.205	2.223	2.165	2.043		2.215	4.88
17) 2-Methylphenol	1.242	1.305	1.280	1.292	1.312	1.272		1.284	1.98
18) Acetophenone	1.898	1.911	1.883	1.835	1.855	1.820		1.867	1.92
19) Hexachloroethane	0.563	0.575	0.553	0.562	0.555	0.543		0.558	1.95
20)P N-Nitroso-di-n-pr	0.909	0.967	0.918	0.943	0.933	0.906		0.930	2.50
21) 3&4-Methylphenol	1.346	1.402	1.377	1.389	1.371	1.321		1.368	2.15
22) I Naphthalene-d8	ISTD								
23)S Nitrobenzene-d5	0.358	0.366	0.352	0.356	0.360	0.351		0.357	1.64
24) Nitrobenzene	0.358	0.361	0.345	0.348	0.349	0.337		0.350	2.59
25) Isophorone	0.659	0.666	0.643	0.645	0.652	0.634		0.650	1.83
26)C 2-Nitrophenol	0.197	0.213	0.204	0.210	0.215	0.212		0.209	3.21
27) 2,4-Dimethylpheno	0.348	0.366	0.346	0.351	0.349	0.335		0.349	2.88
28) bis(2-Chloroethox	0.391	0.410	0.384	0.387	0.387	0.375		0.389	3.02
29) Benzoic Acid	0.214	0.274	0.286	0.293	0.308	0.312		0.281	12.77
30)C 2,4-Dichloropheno	0.309	0.316	0.306	0.312	0.313	0.303		0.310	1.60
31) 1,2,4-Trichlorobe	0.325	0.334	0.317	0.319	0.320	0.306		0.320	2.81
32) Naphthalene	1.099	1.088	1.022	1.014	1.003	0.970		1.033	4.90
33) 4-Chloroaniline	0.462	0.486	0.458	0.461	0.455	0.435		0.459	3.57
34) 2,6-Dichloropheno	0.316	0.323	0.305	0.309	0.306	0.296		0.309	3.00
35)C Hexachlorobutadie	0.163	0.160	0.154	0.153	0.153	0.149		0.155	3.26
36) Caprolactam	0.132	0.140	0.142	0.140	0.145	0.148		0.141	3.71
37)C 4-Chloro-3-methyl	0.301	0.322	0.313	0.320	0.321	0.318		0.316	2.53
38) 2-Methylnaphthale	0.697	0.735	0.697	0.699	0.698	0.668		0.699	3.05
39) 1-Methylnaphthale	0.687	0.721	0.684	0.692	0.685	0.658		0.688	2.94
40) 1,2,4,5-Tetrachlo	0.328	0.334	0.320	0.325	0.324	0.312		0.324	2.25
41) I Acenaphthene-d10	ISTD								
42)P Hexachlorocyclope	0.262	0.325	0.316	0.332	0.339	0.330		0.317	8.91
43)C 2,4,6-Trichloroph	0.383	0.407	0.393	0.405	0.401	0.399		0.398	2.22
44) 2,4,5-Trichloroph	0.410	0.437	0.421	0.430	0.431	0.425		0.426	2.18

Initial Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1209-ICC1209
Lab FileID: L022633.D

45)S	2-Fluorobiphenyl	1.390	1.423	1.312	1.318	1.311	1.274	1.338	4.22
46)	1,1'-Biphenyl	1.613	1.636	1.553	1.517	1.540	1.532	1.565	3.07
47)	2-Chloronaphthale	1.220	1.247	1.152	1.154	1.140	1.100	1.169	4.65
48)	2-Nitroaniline	0.325	0.369	0.360	0.363	0.369	0.362	0.358	4.66
49)	Acenaphthylene	1.964	2.032	1.895	1.851	1.839	1.762	1.891	5.08
50)	Dimethylphthalate	1.457	1.457	1.365	1.375	1.354	1.310	1.386	4.26
51)	2,6-Dinitrotoluen	0.322	0.344	0.322	0.317	0.314	0.308	0.321	3.86
52)C	Acenaphthene	1.210	1.224	1.146	1.165	1.152	1.112	1.168	3.56
53)	3-Nitroaniline	0.364	0.402	0.389	0.397	0.395	0.396	0.390	3.49
54)P	2,4-Dinitrophenol		0.170	0.196	0.217	0.228	0.236	0.209	12.81
55)	Dibenzofuran	1.703	1.755	1.659	1.631	1.627	1.567	1.657	3.94
56)	2,4-Dinitrotoluen	0.421	0.465	0.450	0.466	0.466	0.464	0.455	4.00
57)P	4-Nitrophenol	0.177	0.202	0.195	0.198	0.200	0.198	0.195	4.78
58)	2,3,4,6-Tetrachlo	0.304	0.337	0.328	0.335	0.333	0.332	0.328	3.76
59)	Fluorene	1.423	1.437	1.338	1.322	1.303	1.250	1.346	5.34
60)	4-Chlorophenyl-ph	0.658	0.665	0.613	0.609	0.603	0.575	0.621	5.54
61)	Diethylphthalate	1.417	1.451	1.365	1.373	1.357	1.313	1.379	3.51
62)	4-Nitroaniline	0.365	0.410	0.398	0.412	0.414	0.412	0.402	4.75
63) I	Phenanthrene-d10	ISTD							
64)	4,6-Dinitro-2-met	0.115	0.159	0.165	0.172	0.175	0.172	0.160	14.13
65)C	n-Nitrosodiphenyl	0.610	0.625	0.583	0.576	0.564	0.540	0.583	5.23
66)	1,2-Diphenylhydra	0.731	0.743	0.709	0.693	0.684	0.651	0.702	4.77
67)S	2,4,6-Tribromophe	0.094	0.098	0.093	0.089	0.089	0.084	0.091	5.44
68)	4-Bromophenyl-phe	0.201	0.217	0.204	0.203	0.202	0.195	0.204	3.56
69)	Hexachlorobenzene	0.223	0.221	0.209	0.206	0.204	0.194	0.210	5.28
70)	Atrazine	0.240	0.245	0.244	0.231	0.236	0.239	0.239	2.20
71)C	Pentachlorophenol	0.106	0.138	0.138	0.142	0.145	0.143	0.135	10.85
72)	Phenanthrene	1.242	1.208	1.124	1.118	1.094	1.049	1.139	6.35
73)	Anthracene	1.213	1.262	1.170	1.150	1.132	1.078	1.167	5.51
74)	Carbazole	1.164	1.193	1.122	1.109	1.090	1.046	1.121	4.68
75)	Di-n-butylphthala	1.350	1.413	1.332	1.295	1.285	1.201	1.313	5.43
76)C	Fluoranthene	1.229	1.266	1.199	1.170	1.159	1.118	1.190	4.44
77) I	Chrysene-d12	ISTD							
78)	Benzidine	1.004	1.073	1.066	1.087	1.072	1.028	1.055	3.03
79)	Pyrene	1.591	1.561	1.509	1.503	1.501	1.438	1.517	3.49
80)S	Terphenyl-d14	0.949	0.943	0.913	0.915	0.916	0.874	0.918	2.89
81)	Butylbenzylphthal	0.690	0.727	0.704	0.718	0.707	0.685	0.705	2.26
82)	3,3'-Dichlorobenz	0.461	0.492	0.472	0.466	0.458	0.445	0.466	3.32
83)	Benzo[a]anthracen	1.301	1.349	1.279	1.297	1.289	1.263	1.296	2.24
84)	Chrysene	1.243	1.277	1.174	1.172	1.155	1.127	1.191	4.76
85)	bis(2-Ethylhexyl)	0.916	0.981	0.940	0.959	0.931	0.909	0.939	2.87
86) I	Perylene-d12	ISTD							
87)C	Di-n-octylphthala	1.628	1.804	1.711	1.715	1.662	1.622	1.690	4.04
88)	Benzo[b]fluoranth	1.343	1.390	1.315	1.289	1.303	1.354	1.332	2.81
89)	Benzo[k]fluoranth	1.290	1.397	1.264	1.247	1.206	1.118	1.253	7.37
90)C	Benzo[a]pyrene	1.227	1.298	1.217	1.215	1.199	1.181	1.223	3.30
91)	Indeno[1,2,3-cd]p	1.285	1.378	1.288	1.325	1.304	1.353	1.322	2.81
92)	Dibenz[a,h]anthra	1.241	1.399	1.287	1.281	1.248	1.225	1.280	4.90
93)	Benzo[g,h,i]peryl	1.422	1.467	1.363	1.374	1.337	1.331	1.382	3.80

(#) = Out of Range

8270C.M Wed Jul 28 16:26:37 2004

Initial Calibration Verification

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1209-ICV1209
Lab FileID: L022636.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\072704\L022636.D Vial: 8
Acq On : 27 Jul 2004 2:15 pm Operator: marke
Sample : icv1209-50 Inst : MSBNA02
Misc : op10941,sl1209,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Jul 27 14:40:57 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	108	0.00	5.18
2		1,4-Dioxane	50.000	48.670	2.7	0	0.00	2.77
3		N-nitrosodimethylamine	50.000	48.159	3.7	0	0.00	3.10
4		Pyridine	50.000	46.398	7.2	0	0.00	3.11
5		Benzaldehyde	50.000	12.304	75.4#	0	0.00	4.83
6		Aniline	50.000	31.677	36.6#	0	0.00	4.95
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	50.822	-1.6	0	0.00	4.98
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	50.150	-0.3	0	0.00	4.93
11		2-Chlorophenol	50.000	49.550	0.9	0	0.00	5.04
12		1,3-Dichlorobenzene	50.000	49.141	1.7	0	0.00	5.15
13	C	1,4-Dichlorobenzene	50.000	48.619	2.8	0	0.00	5.19
14		1,2-Dichlorobenzene	50.000	49.174	1.7	0	0.00	5.35
15		Benzyl alcohol	50.000	48.115	3.8	0	0.00	5.31
16		bis(2-chloroisopropyl)eth	50.000	50.892	-1.8	0	0.00	5.43
17		2-Methylphenol	50.000	46.394	7.2	0	0.00	5.42
18		Acetophenone	50.000	44.142	11.7	0	0.00	5.54
19		Hexachloroethane	50.000	48.814	2.4	0	0.00	5.62
20	P	N-Nitroso-di-n-propylamin	50.000	47.387	5.2	0	0.00	5.55
21		3&4-Methylphenol	100.000	91.230	8.8	0	0.00	5.54
22	I	Naphthalene-d8	40.000	40.000	0.0	104	0.00	6.38
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	48.907	2.2	0	0.00	5.70
25		Isophorone	50.000	48.369	3.3	0	0.00	5.91
26	C	2-Nitrophenol	50.000	50.056	-0.1	0	0.00	6.00
27		2,4-Dimethylphenol	50.000	48.958	2.1	0	0.00	6.03
28		bis(2-Chloroethoxy)methan	50.000	46.761	6.5	0	0.00	6.13
29		Benzoic Acid	100.000	100.410	-0.4	0	0.00	6.17
30	C	2,4-Dichlorophenol	50.000	49.839	0.3	0	0.00	6.24
31		1,2,4-Trichlorobenzene	50.000	49.118	1.8	0	0.00	6.33
32		Naphthalene	50.000	49.471	1.1	0	0.00	6.40
33		4-Chloroaniline	50.000	27.590	44.8#	0	0.00	6.48
34		2,6-Dichlorophenol	50.000	47.921	4.2	0	0.00	6.49
35	C	Hexachlorobutadiene	50.000	49.447	1.1	0	0.00	6.60
36		Caprolactam	50.000	42.790	14.4	0	-0.01	6.86
37	C	4-Chloro-3-methylphenol	50.000	47.381	5.2	0	0.00	7.06
38		2-Methylnaphthalene	50.000	47.917	4.2	0	0.00	7.23
39		1-Methylnaphthalene	50.000	48.282	3.4	0	0.00	7.37
40		1,2,4,5-Tetrachlorobenzen	50.000	46.368	7.3	0	0.00	7.50

Initial Calibration Verification

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1209-ICV1209
Lab FileID: L022636.D

41	I	Acenaphthene-d10	40.000	40.000	0.0	97	0.00	8.75
42	P	Hexachlorocyclopentadiene	50.000	47.492	5.0	0	0.00	7.53
43	C	2,4,6-Trichlorophenol	50.000	50.549	-1.1	0	0.00	7.64
44		2,4,5-Trichlorophenol	50.000	49.722	0.6	0	0.00	7.70
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	47.930	4.1	0	0.00	7.87
47		2-Chloronaphthalene	50.000	49.564	0.9	0	0.00	7.89
48		2-Nitroaniline	50.000	48.746	2.5	0	0.00	8.09
49		Acenaphthylene	50.000	51.080	-2.2	0	0.00	8.51
50		Dimethylphthalate	50.000	49.790	0.4	0	0.00	8.42
51		2,6-Dinitrotoluene	50.000	48.542	2.9	0	0.00	8.51
52	C	Acenaphthene	50.000	49.283	1.4	0	0.00	8.80
53		3-Nitroaniline	50.000	30.838	38.3#	0	0.00	8.73
54	P	2,4-Dinitrophenol	100.000	99.920	0.1	0	0.00	8.89
55		Dibenzofuran	50.000	47.994	4.0	0	0.00	9.06
56		2,4-Dinitrotoluene	50.000	46.975	6.0	0	0.00	9.14
57	P	4-Nitrophenol	100.000	90.543	9.5	0	0.00	9.04
58		2,3,4,6-Tetrachlorophenol	50.000	48.238	3.5	0	0.00	9.35
59		Fluorene	50.000	48.659	2.7	0	0.00	9.63
60		4-Chlorophenyl-phenylethe	50.000	50.448	-0.9	0	0.00	9.65
61		Diethylphthalate	50.000	48.633	2.7	0	0.00	9.59
62		4-Nitroaniline	50.000	44.074	11.9	0	-0.01	9.75
63	I	Phenanthrene-d10	40.000	40.000	0.0	91	0.00	11.25
64		4,6-Dinitro-2-methylpheno	100.000	112.780	-12.8	0	-0.01	9.83
65	C	n-Nitrosodiphenylamine	50.000	52.417	-4.8	0	0.00	9.87
66		1,2-Diphenylhydrazine	50.000	52.808	-5.6	0	0.00	9.92
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	52.501	-5.0	0	0.00	10.49
69		Hexachlorobenzene	50.000	50.848	-1.7	0	0.00	10.73
70		Atrazine	50.000	45.213	9.6	0	0.00	10.91
71	C	Pentachlorophenol	100.000	102.294	-2.3	0	0.00	11.06
72		Phenanthrene	50.000	50.054	-0.1	0	0.00	11.30
73		Anthracene	50.000	49.731	0.5	0	0.00	11.38
74		Carbazole	50.000	50.359	-0.7	0	0.00	11.70
75		Di-n-butylphthalate	50.000	49.501	1.0	0	0.00	12.55
76	C	Fluoranthene	50.000	49.110	1.8	0	0.00	13.49
77	I	Chrysene-d12	40.000	40.000	0.0	89	0.00	16.21
78		Benzidine		----------NA----------				
79		Pyrene	50.000	50.513	-1.0	0	0.00	13.89
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	49.498	1.0	0	0.00	15.36
82		3,3'-Dichlorobenzidine	50.000	29.938	40.1#	0	-0.01	16.22
83		Benzo[a]anthracene	50.000	48.952	2.1	0	0.00	16.18
84		Chrysene	50.000	50.334	-0.7	0	-0.01	16.25
85		bis(2-Ethylhexyl)phthalat	50.000	49.576	0.8	0	0.00	16.56
86	I	Perylene-d12	40.000	40.000	0.0	82	0.00	18.73
87	C	Di-n-octylphthalate	50.000	55.086	-10.2	0	0.00	17.68
88		Benzo[b]fluoranthene	50.000	49.847	0.3	0	0.00	18.12
89		Benzo[k]fluoranthene	50.000	52.008	-4.0	0	-0.01	18.16
90	C	Benzo[a]pyrene	50.000	50.762	-1.5	0	-0.01	18.63
91		Indeno[1,2,3-cd]pyrene	50.000	47.879	4.2	0	-0.01	20.35
92		Dibenz[a,h]anthracene	50.000	49.106	1.8	0	-0.01	20.39
93		Benzo[g,h,i]perylene	50.000	49.414	1.2	0	-0.02	20.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Initial Calibration Verification

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1209-ICV1209
Lab FileID: L022636.D

L022636.D 8270C.M Wed Jul 28 16:27:33 2004

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1247-CC1209
Lab FileID: L023437.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092204\L023437.D Vial: 2
Acq On : 22 Sep 2004 11:15 am Operator: sarahm
Sample : cc1209-75 Inst : MSBNA02
Misc : op11326,sl1247,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Fri Sep 17 09:26:45 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	-0.02	4.99
2		1,4-Dioxane	0.488	0.461	5.5	126	-0.11	2.57
3		N-nitrosodimethylamine	0.709	0.692	2.4	125	-0.09	2.90
4		Pyridine	1.409	1.323	6.1	124	-0.09	2.91
5		Benzaldehyde	1.074	0.923	14.1	115	-0.02	4.65
6		Aniline	1.967	1.780	9.5	119	-0.02	4.76
7	S	2-Fluorophenol	1.245	1.274	-2.3	135	-0.03	4.05
8		bis(2-Chloroethyl)ether	1.197	1.170	2.3	128	-0.02	4.80
9	S	Phenol-d5	1.542	1.451	5.9	123	0.00	4.76
10	C	Phenol	1.724	1.608	6.7	122	0.00	4.77
11		2-Chlorophenol	1.436	1.457	-1.5	133	-0.02	4.85
12		1,3-Dichlorobenzene	1.528	1.562	-2.2	134	-0.02	4.95
13	C	1,4-Dichlorobenzene	1.537	1.551	-0.9	133	-0.02	5.00
14		1,2-Dichlorobenzene	1.442	1.457	-1.0	133	-0.02	5.15
15		Benzyl alcohol	0.948	0.886	6.5	121	-0.01	5.11
16		bis(2-chloroisopropyl)eth	2.215	1.810	18.3	107	-0.02	5.23
17		2-Methylphenol	1.284	1.191	7.2	121	0.00	5.23
18		Acetophenone	1.867	1.769	5.2	127	-0.02	5.34
19		Hexachloroethane	0.558	0.548	1.8	128	-0.02	5.41
20	P	N-Nitroso-di-n-propylamin	0.930	0.824	11.4	115	-0.01	5.36
21		3&4-Methylphenol	1.368	1.290	5.7	122	0.00	5.35
22	I	Naphthalene-d8	1.000	1.000	0.0	126	-0.02	6.15
23	S	Nitrobenzene-d5	0.357	0.343	3.9	122	-0.03	5.47
24		Nitrobenzene	0.350	0.328	6.3	119	-0.02	5.49
25		Isophorone	0.650	0.599	7.8	117	-0.03	5.70
26	C	2-Nitrophenol	0.209	0.218	-4.3	131	-0.02	5.79
27		2,4-Dimethylphenol	0.349	0.325	6.9	117	-0.01	5.82
28		bis(2-Chloroethoxy)methan	0.389	0.383	1.5	125	-0.02	5.90
29		Benzoic Acid	0.281	0.261	7.1	112	-0.02	5.95
30	C	2,4-Dichlorophenol	0.310	0.319	-2.9	129	-0.02	6.02
31		1,2,4-Trichlorobenzene	0.320	0.327	-2.2	130	-0.03	6.10
32		Naphthalene	1.033	1.032	0.1	129	-0.03	6.17
33		4-Chloroaniline	0.459	0.472	-2.8	130	-0.02	6.25
34		2,6-Dichlorophenol	0.309	0.303	1.9	124	-0.02	6.26
35	C	Hexachlorobutadiene	0.155	0.166	-7.1	137	-0.02	6.36
36		Caprolactam	0.141	0.137	2.8	124	-0.03	6.62
37	C	4-Chloro-3-methylphenol	0.316	0.295	6.6	117	0.00	6.82
38		2-Methylnaphthalene	0.699	0.712	-1.9	129	-0.02	6.97
39		1-Methylnaphthalene	0.688	0.693	-0.7	127	-0.02	7.11
40		1,2,4,5-Tetrachlorobenzen	0.324	0.324	0.0	126	-0.02	7.24

Continuing Calibration Summary

Job Number: F26791 **Sample:** SL1247-CC1209
Account: EEINCJX EEI **Lab FileID:** L023437.D
Project: Camp Lejeune-Bldg 645

41	I	Acenaphthene-d10	1.000	1.000	0.0	116	-0.03	8.47
42	P	Hexachlorocyclopentadiene	0.317	0.301	5.0	105	-0.04	7.27
43	C	2,4,6-Trichlorophenol	0.398	0.434	-9.0	124	-0.04	7.38
44		2,4,5-Trichlorophenol	0.426	0.466	-9.4	125	-0.03	7.44
45	S	2-Fluorobiphenyl	1.338	1.430	-6.9	125	-0.04	7.49
46		1,1'-Biphenyl	1.565	1.650	-5.4	126	-0.04	7.61
47		2-Chloronaphthalene	1.169	1.254	-7.3	125	-0.04	7.62
48		2-Nitroaniline	0.358	0.368	-2.8	117	-0.03	7.82
49		Acenaphthylene	1.891	2.057	-8.8	128	-0.04	8.23
50		Dimethylphthalate	1.386	1.486	-7.2	125	-0.02	8.16
51		2,6-Dinitrotoluene	0.321	0.352	-9.7	128	-0.02	8.25
52	C	Acenaphthene	1.168	1.249	-6.9	124	-0.03	8.52
53		3-Nitroaniline	0.390	0.425	-9.0	124	-0.02	8.46
54	P	2,4-Dinitrophenol	0.209	0.224	-7.2	119	-0.01	8.63
55		Dibenzofuran	1.657	1.802	-8.8	128	-0.03	8.78
56		2,4-Dinitrotoluene	0.455	0.497	-9.2	123	0.00	8.88
57	P	4-Nitrophenol	0.195	0.181	7.2	106	0.01	8.80
58		2,3,4,6-Tetrachlorophenol	0.328	0.355	-8.2	122	-0.01	9.07
59		Fluorene	1.346	1.458	-8.3	127	-0.02	9.34
60		4-Chlorophenyl-phenylethe	0.621	0.655	-5.5	124	0.00	9.37
61		Diethylphthalate	1.379	1.465	-6.2	123	0.00	9.31
62		4-Nitroaniline	0.402	0.446	-10.9	125	0.00	9.48
63	I	Phenanthrene-d10	1.000	1.000	0.0	118	-0.04	10.95
64		4,6-Dinitro-2-methylpheno	0.160	0.176	-10.0	121	-0.04	9.56
65	C	n-Nitrosodiphenylamine	0.583	0.610	-4.6	125	-0.05	9.59
66		1,2-Diphenylhydrazine	0.702	0.665	5.3	114	-0.05	9.63
67	S	2,4,6-Tribromophenol	0.091	0.096	-5.5	126	-0.06	9.79
68		4-Bromophenyl-phenylether	0.204	0.203	0.5	118	-0.05	10.19
69		Hexachlorobenzene	0.210	0.203	3.3	117	-0.04	10.43
70		Atrazine	0.239	0.236	1.3	121	-0.03	10.62
71	C	Pentachlorophenol	0.135	0.122	9.6	102	-0.03	10.77
72		Phenanthrene	1.139	1.156	-1.5	122	-0.04	10.99
73		Anthracene	1.167	1.189	-1.9	122	-0.04	11.07
74		Carbazole	1.121	1.157	-3.2	123	-0.02	11.41
75		Di-n-butylphthalate	1.313	1.306	0.5	119	0.00	12.26
76	C	Fluoranthene	1.190	1.216	-2.2	123	0.00	13.18
77	I	Chrysene-d12	1.000	1.000	0.0	117	-0.04	15.89
78		Benzidine	1.055	1.027	2.7	110	-0.07	13.51
79		Pyrene	1.517	1.568	-3.4	122	-0.08	13.58
80	S	Terphenyl-d14	0.918	0.937	-2.1	120	-0.07	13.99
81		Butylbenzylphthalate	0.705	0.709	-0.6	115	-0.04	15.06
82		3,3'-Dichlorobenzidine	0.466	0.480	-3.0	120	-0.03	15.92
83		Benzo[a]anthracene	1.296	1.357	-4.7	122	-0.04	15.87
84		Chrysene	1.191	1.200	-0.8	120	-0.04	15.95
85		bis(2-Ethylhexyl)phthalat	0.939	0.915	2.6	111	-0.03	16.27
86	I	Perylene-d12	1.000	1.000	0.0	123	-0.05	18.41
87	C	Di-n-octylphthalate	1.690	1.554	8.0	112	-0.04	17.39
88		Benzo[b]fluoranthene	1.332	1.366	-2.6	130	-0.05	17.81
89		Benzo[k]fluoranthene	1.253	1.193	4.8	118	-0.05	17.85
90	C	Benzo[a]pyrene	1.223	1.260	-3.0	128	-0.04	18.33
91		Indeno[1,2,3-cd]pyrene	1.322	1.291	2.3	120	-0.03	20.03
92		Dibenz[a,h]anthracene	1.280	1.216	5.0	117	-0.03	20.07
93		Benzo[g,h,i]perylene	1.382	1.318	4.6	118	-0.04	20.39

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1247-CC1209
Lab FileID: L023437.D

L022633.D 8270C.M Thu Sep 23 15:28:37 2004

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1248-CC1209
Lab FileID: L023477.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092304\L023477.D Vial: 2
Acq On : 23 Sep 2004 10:40 am Operator: sarahm
Sample : cc1209-50 Inst : MSBNA02
Misc : op11347,sl1248,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Fri Sep 17 09:26:45 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	135	-0.02	4.98
2		1,4-Dioxane	0.488	0.475	2.7	136	-0.10	2.57
3		N-nitrosodimethylamine	0.709	0.744	-4.9	142	-0.08	2.90
4		Pyridine	1.409	1.444	-2.5	141	-0.08	2.92
5		Benzaldehyde	1.074	0.932	13.2	115	-0.02	4.65
6		Aniline	1.967	2.003	-1.8	136	-0.02	4.76
7	S	2-Fluorophenol	1.245	1.340	-7.6	146	-0.03	4.05
8		bis(2-Chloroethyl)ether	1.197	1.236	-3.3	140	-0.02	4.80
9	S	Phenol-d5	1.542	1.614	-4.7	141	0.00	4.75
10	C	Phenol	1.724	1.781	-3.3	138	0.00	4.76
11		2-Chlorophenol	1.436	1.547	-7.7	148	-0.02	4.85
12		1,3-Dichlorobenzene	1.528	1.667	-9.1	151	-0.03	4.95
13	C	1,4-Dichlorobenzene	1.537	1.634	-6.3	147	-0.02	4.99
14		1,2-Dichlorobenzene	1.442	1.553	-7.7	148	-0.02	5.15
15		Benzyl alcohol	0.948	0.929	2.0	135	-0.01	5.12
16		bis(2-chloroisopropyl)eth	2.215	1.977	10.7	121	-0.01	5.23
17		2-Methylphenol	1.284	1.279	0.4	135	0.00	5.22
18		Acetophenone	1.867	1.772	5.1	127	-0.02	5.34
19		Hexachloroethane	0.558	0.568	-1.8	139	-0.02	5.41
20	P	N-Nitroso-di-n-propylamin	0.930	0.889	4.4	131	-0.01	5.36
21		3&4-Methylphenol	1.368	1.359	0.7	133	0.00	5.35
22	I	Naphthalene-d8	1.000	1.000	0.0	132	-0.03	6.15
23	S	Nitrobenzene-d5	0.357	0.359	-0.6	135	-0.02	5.47
24		Nitrobenzene	0.350	0.346	1.1	133	-0.03	5.49
25		Isophorone	0.650	0.627	3.5	129	-0.03	5.70
26	C	2-Nitrophenol	0.209	0.229	-9.6	149	-0.03	5.78
27		2,4-Dimethylphenol	0.349	0.340	2.6	130	-0.02	5.82
28		bis(2-Chloroethoxy)methan	0.389	0.398	-2.3	137	-0.02	5.91
29		Benzoic Acid	0.281	0.273	2.8	127	-0.03	5.94
30	C	2,4-Dichlorophenol	0.310	0.337	-8.7	146	-0.02	6.02
31		1,2,4-Trichlorobenzene	0.320	0.354	-10.6	148	-0.02	6.10
32		Naphthalene	1.033	1.100	-6.5	143	-0.03	6.17
33		4-Chloroaniline	0.459	0.496	-8.1	144	-0.02	6.25
34		2,6-Dichlorophenol	0.309	0.322	-4.2	139	-0.02	6.26
35	C	Hexachlorobutadiene	0.155	0.177	-14.2	152	-0.02	6.36
36		Caprolactam	0.141	0.128	9.2	119	-0.04	6.61
37	C	4-Chloro-3-methylphenol	0.316	0.309	2.2	131	0.00	6.82
38		2-Methylnaphthalene	0.699	0.755	-8.0	144	-0.02	6.97
39		1-Methylnaphthalene	0.688	0.730	-6.1	141	-0.02	7.11
40		1,2,4,5-Tetrachlorobenzen	0.324	0.345	-6.5	143	-0.02	7.24

Continuing Calibration Summary

Job Number: F26791 **Sample:** SL1248-CC1209
Account: EEINCJX EEI **Lab FileID:** L023477.D
Project: Camp Lejeune-Bldg 645

41	I	Acenaphthene-d10	1.000	1.000	0.0	121	-0.03	8.47
42	P	Hexachlorocyclopentadiene	0.317	0.267	15.8	102	-0.05	7.26
43	C	2,4,6-Trichlorophenol	0.398	0.452	-13.6	139	-0.04	7.38
44		2,4,5-Trichlorophenol	0.426	0.487	-14.3	140	-0.04	7.44
45	S	2-Fluorobiphenyl	1.338	1.534	-14.6	141	-0.04	7.48
46		1,1'-Biphenyl	1.565	1.681	-7.4	131	-0.04	7.60
47		2-Chloronaphthalene	1.169	1.338	-14.5	140	-0.04	7.62
48		2-Nitroaniline	0.358	0.379	-5.9	127	-0.04	7.82
49		Acenaphthylene	1.891	2.216	-17.2	141	-0.04	8.23
50		Dimethylphthalate	1.386	1.517	-9.5	134	-0.03	8.15
51		2,6-Dinitrotoluene	0.321	0.370	-15.3	139	-0.03	8.24
52	C	Acenaphthene	1.168	1.316	-12.7	139	-0.03	8.52
53		3-Nitroaniline	0.390	0.434	-11.3	135	-0.03	8.46
54	P	2,4-Dinitrophenol	0.209	0.193	7.7	119	-0.02	8.62
55		Dibenzofuran	1.657	1.887	-13.9	137	-0.03	8.77
56		2,4-Dinitrotoluene	0.455	0.499	-9.7	134	-0.02	8.87
57	P	4-Nitrophenol	0.195	0.183	6.2	113	0.00	8.79
58		2,3,4,6-Tetrachlorophenol	0.328	0.357	-8.8	132	-0.02	9.06
59		Fluorene	1.346	1.529	-13.6	138	-0.02	9.34
60		4-Chlorophenyl-phenylethe	0.621	0.690	-11.1	136	-0.02	9.36
61		Diethylphthalate	1.379	1.443	-4.6	128	-0.02	9.30
62		4-Nitroaniline	0.402	0.451	-12.2	137	-0.01	9.47
63	I	Phenanthrene-d10	1.000	1.000	0.0	122	-0.04	10.94
64		4,6-Dinitro-2-methylpheno	0.160	0.173	-8.1	128	-0.05	9.55
65	C	n-Nitrosodiphenylamine	0.583	0.655	-12.3	137	-0.06	9.58
66		1,2-Diphenylhydrazine	0.702	0.715	-1.9	123	-0.06	9.63
67	S	2,4,6-Tribromophenol	0.091	0.105	-15.4	138	-0.06	9.78
68		4-Bromophenyl-phenylether	0.204	0.218	-6.9	130	-0.05	10.19
69		Hexachlorobenzene	0.210	0.219	-4.3	128	-0.05	10.42
70		Atrazine	0.239	0.236	1.3	118	-0.03	10.62
71	C	Pentachlorophenol	0.135	0.121	10.4	108	-0.04	10.76
72		Phenanthrene	1.139	1.233	-8.3	134	-0.04	10.99
73		Anthracene	1.167	1.270	-8.8	132	-0.04	11.07
74		Carbazole	1.121	1.234	-10.1	134	-0.03	11.40
75		Di-n-butylphthalate	1.313	1.370	-4.3	125	0.00	12.25
76	C	Fluoranthene	1.190	1.310	-10.1	133	0.00	13.17
77	I	Chrysene-d12	1.000	1.000	0.0	121	-0.04	15.89
78		Benzidine	1.055	1.029	2.5	117	-0.08	13.50
79		Pyrene	1.517	1.659	-9.4	133	-0.09	13.57
80	S	Terphenyl-d14	0.918	0.988	-7.6	131	-0.08	13.98
81		Butylbenzylphthalate	0.705	0.720	-2.1	124	-0.05	15.05
82		3,3'-Dichlorobenzidine	0.466	0.501	-7.5	129	-0.04	15.91
83		Benzo[a]anthracene	1.296	1.409	-8.7	134	-0.05	15.86
84		Chrysene	1.191	1.298	-9.0	134	-0.05	15.94
85		bis(2-Ethylhexyl)phthalat	0.939	0.895	4.7	115	-0.04	16.26
86	I	Perylene-d12	1.000	1.000	0.0	127	-0.05	18.40
87	C	Di-n-octylphthalate	1.690	1.543	8.7	114	-0.04	17.38
88		Benzo[b]fluoranthene	1.332	1.402	-5.3	135	-0.06	17.80
89		Benzo[k]fluoranthene	1.253	1.396	-11.4	140	-0.06	17.84
90	C	Benzo[a]pyrene	1.223	1.346	-10.1	140	-0.06	18.31
91		Indeno[1,2,3-cd]pyrene	1.322	1.311	0.8	129	-0.04	20.03
92		Dibenz[a,h]anthracene	1.280	1.299	-1.5	128	-0.04	20.06
93		Benzo[g,h,i]perylene	1.382	1.354	2.0	126	-0.05	20.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1248-CC1209
Lab FileID: L023477.D

L022632.D 8270C.M Fri Sep 24 10:44:03 2004

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1250-CC1209
Lab FileID: L023541.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092804\L023541.D Vial: 2
Acq On : 28 Sep 2004 1:19 pm Operator: sarahm
Sample : cc1209-75 Inst : MSBNA02
Misc : op11365,sl1250,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Sep 28 16:29:53 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	156	0.00	4.96
2		1,4-Dioxane	0.488	0.487	0.2	158	-0.10	2.55
3		N-nitrosodimethylamine	0.709	0.748	-5.5	161	-0.07	2.89
4		Pyridine	1.409	1.462	-3.8	162	-0.07	2.90
5		Benzaldehyde	1.074	0.679	36.8#	100	0.00	4.63
6		Aniline	1.967	1.690	14.1	134	0.00	4.74
7	S	2-Fluorophenol	1.245	1.238	0.6	155	0.00	4.03
8		bis(2-Chloroethyl)ether	1.197	1.198	-0.1	156	0.00	4.78
9	S	Phenol-d5	1.542	1.359	11.9	137	0.02	4.74
10	C	Phenol	1.724	1.571	8.9	141	0.02	4.75
11		2-Chlorophenol	1.436	1.423	0.9	155	0.00	4.83
12		1,3-Dichlorobenzene	1.528	1.560	-2.1	159	0.00	4.93
13	C	1,4-Dichlorobenzene	1.537	1.538	-0.1	157	0.00	4.97
14		1,2-Dichlorobenzene	1.442	1.473	-2.1	159	0.00	5.13
15		Benzyl alcohol	0.948	0.937	1.2	152	0.02	5.10
16		bis(2-chloroisopropyl)eth	2.215	1.836	17.1	129	0.02	5.22
17		2-Methylphenol	1.284	1.223	4.8	148	0.03	5.21
18		Acetophenone	1.867	1.890	-1.2	161	0.01	5.32
19		Hexachloroethane	0.558	0.556	0.4	155	0.00	5.39
20	P	N-Nitroso-di-n-propylamin	0.930	0.904	2.8	150	0.02	5.34
21		3&4-Methylphenol	1.368	1.323	3.3	149	0.03	5.33
22	I	Naphthalene-d8	1.000	1.000	0.0	156	0.00	6.12
23	S	Nitrobenzene-d5	0.357	0.355	0.6	156	0.00	5.45
24		Nitrobenzene	0.350	0.341	2.6	153	0.00	5.47
25		Isophorone	0.650	0.644	0.9	156	0.00	5.69
26	C	2-Nitrophenol	0.209	0.215	-2.9	160	0.00	5.76
27		2,4-Dimethylphenol	0.349	0.323	7.4	144	0.01	5.80
28		bis(2-Chloroethoxy)methan	0.389	0.379	2.6	153	0.00	5.88
29		Benzoic Acid	0.281	0.294	-4.6	157	0.03	5.95
30	C	2,4-Dichlorophenol	0.310	0.305	1.6	153	0.00	6.00
31		1,2,4-Trichlorobenzene	0.320	0.314	1.9	154	0.00	6.08
32		Naphthalene	1.033	0.967	6.4	149	0.00	6.14
33		4-Chloroaniline	0.459	0.448	2.4	152	0.00	6.22
34		2,6-Dichlorophenol	0.309	0.290	6.1	147	0.01	6.24
35	C	Hexachlorobutadiene	0.155	0.149	3.9	153	0.00	6.34
36		Caprolactam	0.141	0.141	0.0	157	0.02	6.61
37	C	4-Chloro-3-methylphenol	0.316	0.307	2.8	150	0.03	6.80
38		2-Methylnaphthalene	0.699	0.706	-1.0	158	0.00	6.94
39		1-Methylnaphthalene	0.688	0.689	-0.1	156	0.00	7.08
40		1,2,4,5-Tetrachlorobenzen	0.324	0.298	8.0	143	0.01	7.21

Continuing Calibration Summary

Job Number: F26791 **Sample:** SL1250-CC1209
Account: EEINCJX EEI **Lab FileID:** L023541.D
Project: Camp Lejeune-Bldg 645

41	I	Acenaphthene-d10	1.000	1.000	0.0	140	0.00	8.44
42	P	Hexachlorocyclopentadiene	0.317	0.288	9.1	122	-0.02	7.23
43	C	2,4,6-Trichlorophenol	0.398	0.426	-7.0	148	0.00	7.36
44		2,4,5-Trichlorophenol	0.426	0.450	-5.6	147	0.00	7.42
45	S	2-Fluorobiphenyl	1.338	1.405	-5.0	149	-0.01	7.46
46		1,1'-Biphenyl	1.565	1.637	-4.6	151	-0.01	7.58
47		2-Chloronaphthalene	1.169	1.225	-4.8	149	-0.01	7.59
48		2-Nitroaniline	0.358	0.412	-15.1	159	0.00	7.80
49		Acenaphthylene	1.891	2.080	-10.0	158	0.00	8.21
50		Dimethylphthalate	1.386	1.506	-8.7	154	0.00	8.13
51		2,6-Dinitrotoluene	0.321	0.359	-11.8	159	0.01	8.22
52	C	Acenaphthene	1.168	1.259	-7.8	151	0.00	8.50
53		3-Nitroaniline	0.390	0.439	-12.6	155	0.01	8.44
54	P	2,4-Dinitrophenol	0.209	0.229	-9.6	148	0.02	8.60
55		Dibenzofuran	1.657	1.808	-9.1	155	0.00	8.75
56		2,4-Dinitrotoluene	0.455	0.508	-11.6	153	0.03	8.85
57	P	4-Nitrophenol	0.195	0.198	-1.5	140	0.06	8.78
58		2,3,4,6-Tetrachlorophenol	0.328	0.336	-2.4	140	0.03	9.04
59		Fluorene	1.346	1.447	-7.5	153	0.02	9.31
60		4-Chlorophenyl-phenylethe	0.621	0.629	-1.3	145	0.03	9.33
61		Diethylphthalate	1.379	1.511	-9.6	154	0.03	9.28
62		4-Nitroaniline	0.402	0.467	-16.2	159	0.04	9.46
63	I	Phenanthrene-d10	1.000	1.000	0.0	143	0.00	10.92
64		4,6-Dinitro-2-methylpheno	0.160	0.177	-10.6	148	0.00	9.53
65	C	n-Nitrosodiphenylamine	0.583	0.604	-3.6	150	-0.02	9.56
66		1,2-Diphenylhydrazine	0.702	0.717	-2.1	148	-0.02	9.60
67	S	2,4,6-Tribromophenol	0.091	0.086	5.5	138	-0.02	9.76
68		4-Bromophenyl-phenylether	0.204	0.206	-1.0	145	-0.01	10.16
69		Hexachlorobenzene	0.210	0.203	3.3	142	-0.01	10.39
70		Atrazine	0.239	0.240	-0.4	149	0.02	10.60
71	C	Pentachlorophenol	0.135	0.119	11.9	120	0.01	10.74
72		Phenanthrene	1.139	1.145	-0.5	147	0.00	10.96
73		Anthracene	1.167	1.180	-1.1	147	0.00	11.04
74		Carbazole	1.121	1.160	-3.5	150	0.03	11.38
75		Di-n-butylphthalate	1.313	1.375	-4.7	152	0.06	12.23
76	C	Fluoranthene	1.190	1.165	2.1	143	0.06	13.14
77	I	Chrysene-d12	1.000	1.000	0.0	129	0.00	15.86
78		Benzidine	1.055	1.022	3.1	122	-0.04	13.48
79		Pyrene	1.517	1.653	-9.0	142	-0.05	13.55
80	S	Terphenyl-d14	0.918	0.950	-3.5	134	-0.04	13.96
81		Butylbenzylphthalate	0.705	0.835	-18.4	150	0.00	15.03
82		3,3'-Dichlorobenzidine	0.466	0.451	3.2	125	0.01	15.89
83		Benzo[a]anthracene	1.296	1.366	-5.4	136	0.00	15.84
84		Chrysene	1.191	1.203	-1.0	133	0.00	15.92
85		bis(2-Ethylhexyl)phthalat	0.939	1.092	-16.3	147	0.00	16.24
86	I	Perylene-d12	1.000	1.000	0.0	130	0.00	18.38
87	C	Di-n-octylphthalate	1.690	1.930	-14.2	147	0.00	17.36
88		Benzo[b]fluoranthene	1.332	1.367	-2.6	138	-0.01	17.77
89		Benzo[k]fluoranthene	1.253	1.227	2.1	128	0.00	17.82
90	C	Benzo[a]pyrene	1.223	1.274	-4.2	136	0.00	18.29
91		Indeno[1,2,3-cd]pyrene	1.322	1.314	0.6	129	0.02	20.00
92		Dibenz[a,h]anthracene	1.280	1.260	1.6	128	0.03	20.05
93		Benzo[g,h,i]perylene	1.382	1.392	-0.7	132	0.02	20.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1250-CC1209
Lab FileID: L023541.D

L022633.D 8270C.M Wed Sep 29 12:20:48 2004

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3362-MB	EF044186.D	1	09/22/04	CV	n/a	n/a	GEF3362

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-1, F26791-4, F26791-6, F26791-7, F26791-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	93%	70-123%
98-08-8	aaa-Trifluorotoluene	100%	73-122%

Method Blank Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3363-MB	EF044205.D	1	09/23/04	CV	n/a	n/a	GEF3363

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-3, F26791-5, F26791-8, F26791-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	95%	70-123%
98-08-8	aaa-Trifluorotoluene	98%	73-122%

Method Blank Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3365-MB	EF044262.D	1	09/24/04	CV	n/a	n/a	GEF3365

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	93%	70-123%
98-08-8	aaa-Trifluorotoluene	99%	73-122%

Method Blank Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3367-MB	EF044328.D	1	09/28/04	CV	n/a	n/a	GEF3367

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	87%	70-123%
98-08-8	aaa-Trifluorotoluene	95%	73-122%

Blank Spike Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3362-BS	EF044185.D	1	09/22/04	CV	n/a	n/a	GEF3362

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-1, F26791-4, F26791-6, F26791-7, F26791-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.2	101	86-121
108-90-7	Chlorobenzene	20	20.9	105	81-119
95-50-1	1,2-Dichlorobenzene	20	20.5	103	75-120
541-73-1	1,3-Dichlorobenzene	20	21.5	108	77-121
106-46-7	1,4-Dichlorobenzene	20	20.9	105	75-122
100-41-4	Ethylbenzene	20	22.0	110	81-126
1634-04-4	Methyl Tert Butyl Ether	20	20.9	105	76-117
108-88-3	Toluene	20	20.4	102	82-123
1330-20-7	Xylenes (total)	60	65.1	109	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	105%	70-123%
98-08-8	aaa-Trifluorotoluene	104%	73-122%

Blank Spike Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3363-BS	EF044204.D	1	09/23/04	CV	n/a	n/a	GEF3363

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-3, F26791-5, F26791-8, F26791-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	21.6	108	86-121
108-90-7	Chlorobenzene	20	21.4	107	81-119
95-50-1	1,2-Dichlorobenzene	20	20.1	101	75-120
541-73-1	1,3-Dichlorobenzene	20	21.9	110	77-121
106-46-7	1,4-Dichlorobenzene	20	21.3	107	75-122
100-41-4	Ethylbenzene	20	22.4	112	81-126
1634-04-4	Methyl Tert Butyl Ether	20	20.6	103	76-117
108-88-3	Toluene	20	21.9	110	82-123
1330-20-7	Xylenes (total)	60	65.1	109	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	105%	70-123%
98-08-8	aaa-Trifluorotoluene	104%	73-122%

Blank Spike Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3365-BS	EF044261.D	1	09/24/04	CV	n/a	n/a	GEF3365

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	21.5	108	86-121
108-90-7	Chlorobenzene	20	21.0	105	81-119
95-50-1	1,2-Dichlorobenzene	20	19.6	98	75-120
541-73-1	1,3-Dichlorobenzene	20	21.1	106	77-121
106-46-7	1,4-Dichlorobenzene	20	20.8	104	75-122
100-41-4	Ethylbenzene	20	22.3	112	81-126
1634-04-4	Methyl Tert Butyl Ether	20	20.3	102	76-117
108-88-3	Toluene	20	21.9	110	82-123
1330-20-7	Xylenes (total)	60	65.8	110	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	103%	70-123%
98-08-8	aaa-Trifluorotoluene	103%	73-122%

Blank Spike Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3367-BS	EF044327.D	1	09/28/04	CV	n/a	n/a	GEF3367

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	22.7	114	86-121
108-90-7	Chlorobenzene	20	21.9	110	81-119
95-50-1	1,2-Dichlorobenzene	20	21.8	109	75-120
541-73-1	1,3-Dichlorobenzene	20	21.4	107	77-121
106-46-7	1,4-Dichlorobenzene	20	21.3	107	75-122
100-41-4	Ethylbenzene	20	22.2	111	81-126
1634-04-4	Methyl Tert Butyl Ether	20	21.2	106	76-117
108-88-3	Toluene	20	22.7	114	82-123
1330-20-7	Xylenes (total)	60	66.3	111	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	99%	70-123%
98-08-8	aaa-Trifluorotoluene	99%	73-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F26791-1MS	EF044188.D	1	09/22/04	CV	n/a	n/a	GEF3362
F26791-1MSD	EF044189.D	1	09/22/04	CV	n/a	n/a	GEF3362
F26791-1 [a]	EF044187.D	1	09/22/04	CV	n/a	n/a	GEF3362

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-1, F26791-4, F26791-6, F26791-7, F26791-10

CAS No.	Compound	F26791-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.6	108	21.8	109	1	77-125/6
108-90-7	Chlorobenzene	ND		20	21.4	107	21.3	107	0	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	18.4	92	19.7	99	7	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	20.4	102	21.2	106	4	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	19.9	100	21.1	106	6	67-129/7
100-41-4	Ethylbenzene	ND		20	22.3	112	22.5	113	1	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	20.6	103	21.0	105	2	66-127/9
108-88-3	Toluene	0.96	J	20	22.9	110	23.5	113	3	77-124/5
1330-20-7	Xylenes (total)	1.5	J	60	65.2	106	65.7	107	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F26791-1	Limits
352-33-0	1-Chloro-4-fluorobenzene	102%	100%	92%	70-123%
98-08-8	aaa-Trifluorotoluene	103%	97%	98%	73-122%

(a) All hits confirmed by dual column analysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F26810-3MS	EF044223.D	1	09/23/04	CV	n/a	n/a	GEF3363
F26810-3MSD	EF044224.D	1	09/23/04	CV	n/a	n/a	GEF3363
F26810-3	EF044222.D	1	09/23/04	CV	n/a	n/a	GEF3363

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-3, F26791-5, F26791-8, F26791-9

CAS No.	Compound	F26810-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	582	E	20	606	120	596	70* [a]	2	77-125/6
108-90-7	Chlorobenzene	ND		20	23.2	116	22.5	113	3	78-120/8
95-50-1	1,2-Dichlorobenzene	32.8		20	34.9	11*	33.9	6*	3	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	23.7	119	24.0	120	1	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	25.5	128	24.7	124	3	67-129/7
100-41-4	Ethylbenzene	108	E	20	134	130* [a]	130	110	3	74-127/6
1634-04-4	Methyl Tert Butyl Ether	451	E	20	492	205* [a]	466	75	5	66-127/9
108-88-3	Toluene	27.4		20	49.1	109	48.4	105	1	77-124/5
1330-20-7	Xylenes (total)	50.2		60	118	113	117	111	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F26810-3	Limits
352-33-0	1-Chloro-4-fluorobenzene	118%	117%	117%	70-123%
98-08-8	aaa-Trifluorotoluene	139%* [c]	139%* [c]	138%* [b]	73-122%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Outside control limits due to matrix interference.
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F26810-2MS	EF044280.D	100	09/24/04	CV	n/a	n/a	GEF3365
F26810-2MSD	EF044281.D	100	09/24/04	CV	n/a	n/a	GEF3365
F26810-2	EF044276.D	10	09/24/04	CV	n/a	n/a	GEF3365
F26810-2 [a]	EF044279.D	100	09/24/04	CV	n/a	n/a	GEF3365

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-2

CAS No.	Compound	F26810-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	3340 [b]		2000	5310	99	5240	95	1	77-125/6
108-90-7	Chlorobenzene	ND		2000	2070	104	2010	101	3	78-120/8
95-50-1	1,2-Dichlorobenzene	113		2000	1840	86	1800	84	2	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		2000	2000	100	2000	100	0	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		2000	1960	98	1920	96	2	67-129/7
100-41-4	Ethylbenzene	ND		2000	2170	109	2120	106	2	74-127/6
1634-04-4	Methyl Tert Butyl Ether	1990 [b]		2000	3930	97	3840	93	2	66-127/9
108-88-3	Toluene	467		2000	2520	103	2440	99	3	77-124/5
1330-20-7	Xylenes (total)	1960		6000	7870	99	7620	94	3	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F26810-2	F26810-2	Limits
352-33-0	1-Chloro-4-fluorobenzene	103%	100%	106%	93%	70-123%
98-08-8	aaa-Trifluorotoluene	103%	104%	113%	100%	73-122%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run #2.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F26810-10MS	EF044334.D	50	09/28/04	CV	n/a	n/a	GEF3367
F26810-10MSD	EF044335.D	50	09/28/04	CV	n/a	n/a	GEF3367
F26810-10 [a]	EF044333.D	50	09/28/04	CV	n/a	n/a	GEF3367

The QC reported here applies to the following samples: **Method:** EPA 601/602

F26791-11

CAS No.	Compound	F26810-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1780		1000	2850	107	2830	105	1	77-125/6
108-90-7	Chlorobenzene	ND		1000	1100	110	1090	109	1	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		1000	1110	111	1090	109	2	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		1000	1090	109	1070	107	2	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		1000	1080	108	1070	107	1	67-129/7
100-41-4	Ethylbenzene	290		1000	1400	111	1370	108	2	74-127/6
1634-04-4	Methyl Tert Butyl Ether	135		1000	1170	104	1210	108	3	66-127/9
108-88-3	Toluene	48.3	J	1000	1180	113	1170	112	1	77-124/5
1330-20-7	Xylenes (total)	76.1	J	3000	3400	111	3370	110	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F26810-10	Limits
352-33-0	1-Chloro-4-fluorobenzene	99%	99%	77%	70-123%
98-08-8	aaa-Trifluorotoluene	101%	101%	82%	73-122%

(a) All hits confirmed by dual column analysis.

Volatile Surrogate Recovery Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F26791-1	EF044187.D	92.0	98.0
F26791-2	EF044267.D	106.0	111.0
F26791-3	EF044209.D	103.0	107.0
F26791-4	EF044190.D	94.0	102.0
F26791-5	EF044207.D	100.0	102.0
F26791-6	EF044193.D	95.0	99.0
F26791-7	EF044194.D	90.0	95.0
F26791-8	EF044210.D	103.0	105.0
F26791-9	EF044208.D	94.0	100.0
F26791-10	EF044197.D	90.0	96.0
F26791-11	EF044332.D	97.0	99.0
F26791-1MS	EF044188.D	102.0	103.0
F26791-1MSD	EF044189.D	100.0	97.0
F26810-10MS	EF044334.D	99.0	101.0
F26810-10MSD	EF044335.D	99.0	101.0
F26810-2MS	EF044280.D	103.0	103.0
F26810-2MSD	EF044281.D	100.0	104.0
F26810-3MS	EF044223.D	118.0	139.0* [b]
F26810-3MSD	EF044224.D	117.0	139.0* [b]
GEF3362-BS	EF044185.D	105.0	104.0
GEF3362-MB	EF044186.D	93.0	100.0
GEF3363-BS	EF044204.D	105.0	104.0
GEF3363-MB	EF044205.D	95.0	98.0
GEF3365-BS	EF044261.D	103.0	103.0
GEF3365-MB	EF044262.D	93.0	99.0
GEF3367-BS	EF044327.D	99.0	99.0
GEF3367-MB	EF044328.D	87.0	95.0

Surrogate Compounds	Recovery Limits
S1 = 1-Chloro-4-fluorobenzene	70-123%
S2 = aaa-Trifluorotoluene	73-122%

(a) Recovery from GC signal #2
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

GC Surrogate Retention Time Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3362-CC3348	**Injection Date:**	09/22/04
Lab File ID:	EF044191.D	**Injection Time:**	22:29
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	9.07	8.85	6.00	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
F26791-6	EF044193.D	09/22/04	23:18		8.85		5.77
F26791-7	EF044194.D	09/22/04	23:43		8.85		5.77
F26791-10	EF044197.D	09/23/04	00:56		8.85		5.77
GEF3362-ECC3348	EF044202.D	09/23/04	09:12	9.08	8.86	6.00	5.77

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3363-CC3348	**Injection Date:**	09/23/04
Lab File ID:	EF044203.D	**Injection Time:**	09:50
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.85	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF3363-BS	EF044204.D	09/23/04	10:15	8.85	5.77
GEF3363-MB	EF044205.D	09/23/04	10:39	8.85	5.77
ZZZZZZ	EF044206.D	09/23/04	11:03	8.85	5.77
F26791-5	EF044207.D	09/23/04	11:28	8.85	5.77
F26791-9	EF044208.D	09/23/04	11:52	8.85	5.77
F26791-3	EF044209.D	09/23/04	12:17	8.85	5.77
F26791-8	EF044210.D	09/23/04	12:44	8.85	5.77
ZZZZZZ	EF044212.D	09/23/04	13:38	8.85	5.77

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3363-CC3348	**Injection Date:**	09/23/04
Lab File ID:	EF044214.D	**Injection Time:**	14:30
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.85	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	EF044215.D	09/23/04	14:54	8.85	5.77
ZZZZZZ	EF044216.D	09/23/04	15:21	8.85	5.77
ZZZZZZ	EF044217.D	09/23/04	15:48	8.85	5.77
ZZZZZZ	EF044218.D	09/23/04	16:15	8.85	5.77
ZZZZZZ	EF044219.D	09/23/04	16:42	8.85	5.76
F26810-3	EF044222.D	09/23/04	18:00	8.85	5.76
F26810-3MS	EF044223.D	09/23/04	18:24	8.84	5.76
F26810-3MSD	EF044224.D	09/23/04	18:49	8.84	5.76

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3365-CC3348	**Injection Date:**	09/24/04
Lab File ID:	EF044260.D	**Injection Time:**	09:46
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.85	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF3365-BS	EF044261.D	09/24/04	10:10	8.85	5.77
GEF3365-MB	EF044262.D	09/24/04	10:35	8.85	5.77
ZZZZZZ	EF044263.D	09/24/04	10:59	8.85	5.77
ZZZZZZ	EF044265.D	09/24/04	11:51	8.85	5.77
ZZZZZZ	EF044266.D	09/24/04	12:15	8.85	5.77
F26791-2	EF044267.D	09/24/04	12:39	8.85	5.77
ZZZZZZ	EF044268.D	09/24/04	13:04	8.85	5.77
ZZZZZZ	EF044269.D	09/24/04	13:28	8.85	5.77
ZZZZZZ	EF044270.D	09/24/04	13:53	8.84	5.77

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3365-CC3348	**Injection Date:**	09/24/04
Lab File ID:	EF044271.D	**Injection Time:**	14:17
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.84	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	EF044272.D	09/24/04	14:44	8.84	5.76
ZZZZZZ	EF044273.D	09/24/04	15:11	8.84	5.77
ZZZZZZ	EF044274.D	09/24/04	15:38	8.84	5.77
ZZZZZZ	EF044275.D	09/24/04	16:05	8.84	5.77
F26810-2	EF044276.D	09/24/04	16:31	8.84	5.77
ZZZZZZ	EF044278.D	09/24/04	17:25	8.85	5.77
F26810-2	EF044279.D	09/24/04	17:49	8.85	5.77
F26810-2MS	EF044280.D	09/24/04	18:14	8.85	5.77
F26810-2MSD	EF044281.D	09/24/04	18:38	8.85	5.77

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3367-ICC3367	**Injection Date:**	09/28/04
Lab File ID:	EF044322.D	**Injection Time:**	13:03
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.82	5.75

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF3367-BS	EF044327.D	09/28/04	15:05	8.83	5.75
GEF3368-BS	EF044327.D	09/28/04	15:05	8.83	5.75
GEF3367-MB	EF044328.D	09/28/04	15:30	8.83	5.75
GEF3368-MB	EF044328.D	09/28/04	15:30	8.83	5.75
ZZZZZZ	EF044329.D	09/28/04	15:54	8.83	5.75
ZZZZZZ	EF044330.D	09/28/04	16:21	8.83	5.75
ZZZZZZ	EF044331.D	09/28/04	16:48	8.83	5.75
F26791-11	EF044332.D	09/28/04	17:15	8.83	5.75
F26810-10	EF044333.D	09/28/04	17:39	8.83	5.75
F26810-10MS	EF044334.D	09/28/04	18:04	8.83	5.75
F26810-10MSD	EF044335.D	09/28/04	18:28	8.83	5.75

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3361-CC3348	**Injection Date:**	09/22/04
Lab File ID:	EF044180.D	**Injection Time:**	18:02
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.85	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	EF044181.D	09/22/04	18:26	8.85	5.77
ZZZZZZ	EF044182.D	09/22/04	18:50	8.85	5.77
ZZZZZZ	EF044183.D	09/22/04	19:14	8.85	5.77
ZZZZZZ	EF044184.D	09/22/04	19:39	8.85	5.77
GEF3362-BS	EF044185.D	09/22/04	20:03	8.85	5.77
GEF3362-MB	EF044186.D	09/22/04	20:28	8.85	5.77
F26791-1	EF044187.D	09/22/04	20:52	8.85	5.77
F26791-1MS	EF044188.D	09/22/04	21:16	8.85	5.77
F26791-1MSD	EF044189.D	09/22/04	21:41	8.85	5.77
F26791-4	EF044190.D	09/22/04	22:05	8.85	5.77

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3348-ICC3348
Lab FileID: EF043786.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL0913.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Tue Sep 07 12:20:43 2004
Response via : Initial Calibration

Calibration Files
1 =EF043784.D 2 =EF043785.D 3 =EF043786.D
4 =EF043787.D 5 =EF043788.D 6 =EF043789.D

		Compound	1	2	3	4	5	6	Avg		%RSD
1)		Methyl tert Butyl E	1.484	1.598	1.453	1.478	1.455	1.470	1.490	E3	3.67
2)		Di-Isopropyl ether	2.288	2.371	2.129	2.162	2.137	2.128	2.202	E3	4.65
3)		Benzene	4.948	4.589	4.162	4.262	4.246	4.215	4.404	E3	6.96
4)	S	a,a,a-TFT(S)	1.357	1.365	1.345	1.469	1.451	1.460	1.408	E3	4.11
5)		Toluene		3.897	3.531	3.618	3.589	3.574	3.642	E3	4.01
6)	S	1-Chloro-4-Fluorobe	2.018	1.949	1.953	2.111	2.105	2.119	2.043	E3	3.91
7)		Chlorobenzene		4.044	3.359	3.475	3.430	3.399	3.541	E3	8.02
8)		Ethylbenzene		3.498	2.920	2.964	2.918	2.888	3.037	E3	8.52
9)		m,p-Xylene		3.598	3.190	3.298	3.241	3.222	3.310	E3	5.01
10)		o-Xylene		3.252	2.888	2.951	2.900	2.844	2.967	E3	5.52
11)		1,3-Dichlorobenzene	2.366	2.229	2.161	2.349	2.329	2.321	2.292	E3	3.50
12)		1,4-Dichlorobenzene	2.626	2.413	2.273	2.482	2.485	2.500	2.463	E3	4.71
13)		1,2-Dichlorobenzene	1.511	1.316	1.266	1.428	1.388	1.354	1.377	E3	6.27

Signal #2

1)		Methyl tert Butyl E	1.371	1.406	1.289	1.332	1.322	1.334	1.342	E3	3.06
2)		Di-Isopropyl ether	1.945	1.961	1.830	1.893	1.883	1.850	1.894	E3	2.70
3)		Benzene	4.341	3.940	3.726	3.886	3.916	3.816	3.937	E3	5.40
4)	S	a,a,a-TFT(S)	1.149	1.160	1.125	1.276	1.280	1.256	1.208	E3	5.85
5)		Toluene		3.314	3.043	3.273	3.268	3.186	3.217	E3	3.34
6)	S	1-Chloro-4-Fluorobe	1.594	1.592	1.620	1.776	1.793	1.793	1.695	E3	6.04
7)		Chlorobenzene		3.866	3.083	3.233	3.184	3.119	3.297	E3	9.80
8)		Ethylbenzene		3.107	2.686	2.777	2.761	2.739	2.814	E3	5.94
9)		m,p-Xylene		3.207	2.845	2.999	3.049	2.943	3.009	E3	4.46
10)		o-Xylene		2.761	2.494	2.639	2.578	2.532	2.601	E3	4.02
11)		1,3-Dichlorobenzene	1.899	1.883	1.870	2.095	2.050	2.051	1.975	E3	5.13
12)		1,4-Dichlorobenzene	1.970	1.902	1.886	2.065	2.077	2.138	2.006	E3	5.11
13)		1,2-Dichlorobenzene	1.047	1.108	1.153	1.313	1.296	1.275	1.199	E3	9.28

(#) = Out of Range

DUAL0913.M Tue Sep 14 09:05:23 2004 EF

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3361-CC3348
Lab FileID: EF044180.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092204\EF044180.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\092204\EF044180.D\FID2B.CH
Acq On : 22 Sep 2004 6:02 pm Operator: ClaireV
Sample : cc3348-20 Inst : VOA1
Misc : gc3967,gef3361,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0913.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:59 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.359	-1.8	104	0.00
2		Di-Isopropyl ether	20.000	20.699	-3.5	107	0.00
3		Benzene	20.000	19.618	1.9	104	0.00
4	S	a,a,a-TFT(S)	20.000	21.877	-9.4	115	0.00
5		Toluene	20.000	20.346	-1.7	105	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	21.694	-8.5	113	0.00
7		Chlorobenzene	20.000	20.364	-1.8	107	0.00
8		Ethylbenzene	20.000	20.456	-2.3	106	0.01
9		m,p-Xylene	40.000	41.309	-3.3	107	0.00
10		o-Xylene	20.000	20.688	-3.4	106	0.01
11		1,3-Dichlorobenzene	20.000	20.580	-2.9	109	0.02
12		1,4-Dichlorobenzene	20.000	20.303	-1.5	110	0.01
13		1,2-Dichlorobenzene	20.000	19.360	3.2	105	0.01

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.399	3.0	101	0.00
2		Di-Isopropyl ether	20.000	19.807	1.0	102	0.01
3		Benzene	20.000	19.051	4.7	101	0.01
4	S	a,a,a-TFT(S)	20.000	20.881	-4.4	112	0.01
5		Toluene	20.000	19.453	2.7	103	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	20.768	-3.8	109	0.01
7		Chlorobenzene	20.000	19.552	2.2	105	0.01
8		Ethylbenzene	20.000	19.699	1.5	103	0.02
9		m,p-Xylene	40.000	39.684	0.8	105	0.01
10		o-Xylene	20.000	19.379	3.1	101	0.02
11		1,3-Dichlorobenzene	20.000	20.069	-0.3	106	0.02
12		1,4-Dichlorobenzene	20.000	19.528	2.4	104	0.02
13		1,2-Dichlorobenzene	20.000	19.201	4.0	100	0.02

Average % D = 3.0

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF043786.D DUAL0913.M Thu Sep 23 08:47:41 2004 EF

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3362-CC3348
Lab FileID: EF044191.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092204\EF044191.D\FID1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA\092204\EF044191.D\FID2B.CH
Acq On : 22 Sep 2004 10:29 pm Operator: ClaireV
Sample : cc3348-20 Inst : VOA1
Misc : gc3980,gef3362,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0913.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:59 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.970	-4.8	108	0.00
2		Di-Isopropyl ether	20.000	21.633	-8.2	112	0.00
3		Benzene	20.000	20.286	-1.4	107	0.01
4	S	a,a,a-TFT(S)	20.000	20.398	-2.0	107	0.01
5		Toluene	20.000	20.593	-3.0	106	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	20.430	-2.1	107	0.01
7		Chlorobenzene	20.000	20.887	-4.4	110	0.01
8		Ethylbenzene	20.000	21.159	-5.8	110	0.01
9		m,p-Xylene	40.000	43.511	-8.8	113	0.01
10		o-Xylene	20.000	21.660	-8.3	111	0.01
11		1,3-Dichlorobenzene	20.000	21.313	-6.6	113	0.02
12		1,4-Dichlorobenzene	20.000	20.933	-4.7	113	0.02
13		1,2-Dichlorobenzene	20.000	20.065	-0.3	109	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.176	-0.9	105	0.00
2		Di-Isopropyl ether	20.000	21.187	-5.9	110	0.01
3		Benzene	20.000	19.774	1.1	104	0.01
4	S	a,a,a-TFT(S)	20.000	19.770	1.2	106	0.01
5		Toluene	20.000	19.685	1.6	104	0.02
6	S	1-Chloro-4-Fluorobenzene	20.000	19.926	0.4	104	0.01
7		Chlorobenzene	20.000	20.184	-0.9	108	0.01
8		Ethylbenzene	20.000	20.704	-3.5	108	0.02
9		m,p-Xylene	40.000	41.464	-3.7	110	0.01
10		o-Xylene	20.000	20.723	-3.6	108	0.02
11		1,3-Dichlorobenzene	20.000	20.788	-3.9	110	0.02
12		1,4-Dichlorobenzene	20.000	20.221	-1.1	108	0.02
13		1,2-Dichlorobenzene	20.000	19.554	2.2	102	0.02

Average % D = 3.5

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF043786.D DUAL0913.M Thu Sep 23 08:47:43 2004 EF

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3362-ECC3348
Lab FileID: EF044202.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092204\EF044202.D\FID1A.CH Vial: 43
Signal #2 : C:\HPCHEM\1\DATA\092204\EF044202.D\FID2B.CH
Acq On : 23 Sep 2004 9:12 am Operator: ClaireV
Sample : ecc3348-20 Inst : VOA1
Misc : gc3980,gef3362,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0913.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:58 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.992	-5.0	108	0.00
2		Di-Isopropyl ether	20.000	23.491	-17.5#	121	0.01
3		Benzene	20.000	21.763	-8.8	115	0.01
4	S	a,a,a-TFT(S)	20.000	21.607	-8.0	113	0.01
5		Toluene	20.000	22.358	-11.8	115	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	21.711	-8.6	114	0.02
7		Chlorobenzene	20.000	22.409	-12.0	118	0.02
8		Ethylbenzene	20.000	22.312	-11.6	116	0.02
9		m,p-Xylene	40.000	45.716	-14.3	119	0.02
10		o-Xylene	20.000	23.350	-16.8#	120	0.02
11		1,3-Dichlorobenzene	20.000	23.827	-19.1#	126	0.02
12		1,4-Dichlorobenzene	20.000	22.672	-13.4	123	0.02
13		1,2-Dichlorobenzene	20.000	20.957	-4.8	114	0.02

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	24.623	-23.1#	128	0.01
2		Di-Isopropyl ether	20.000	22.772	-13.9	118	0.02
3		Benzene	20.000	21.157	-5.8	112	0.01
4	S	a,a,a-TFT(S)	20.000	20.882	-4.4	112	0.01
5		Toluene	20.000	21.810	-9.0	115	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	21.004	-5.0	110	0.02
7		Chlorobenzene	20.000	21.541	-7.7	115	0.02
8		Ethylbenzene	20.000	21.578	-7.9	113	0.02
9		m,p-Xylene	40.000	44.083	-10.2	117	0.02
10		o-Xylene	20.000	22.386	-11.9	117	0.03
11		1,3-Dichlorobenzene	20.000	22.506	-12.5	119	0.03
12		1,4-Dichlorobenzene	20.000	22.815	-14.1	121	0.02
13		1,2-Dichlorobenzene	20.000	21.010	-5.1	109	0.02

Average % D = 10.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF043786.D DUAL0913.M Thu Sep 23 09:32:22 2004 EF

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3363-CC3348
Lab FileID: EF044203.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092304\EF044203.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\092304\EF044203.D\FID2B.CH
Acq On : 23 Sep 2004 9:50 am Operator: ClaireV
Sample : cc3348-40 Inst : VOA1
Misc : gc3980,gef3363,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0913.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:58 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	37.405	6.5	94	0.00
2		Di-Isopropyl ether	40.000	40.971	-2.4	104	0.01
3		Benzene	40.000	40.419	-1.0	104	0.01
4	S	a,a,a-TFT(S)	20.000	21.837	-9.2	105	0.01
5		Toluene	40.000	41.536	-3.8	105	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	22.036	-10.2	107	0.01
7		Chlorobenzene	40.000	40.493	-1.2	103	0.01
8		Ethylbenzene	40.000	40.735	-1.8	104	0.01
9		m,p-Xylene	80.000	84.161	-5.2	106	0.01
10		o-Xylene	40.000	41.428	-3.6	104	0.01
11		1,3-Dichlorobenzene	40.000	41.868	-4.7	102	0.01
12		1,4-Dichlorobenzene	40.000	41.284	-3.2	102	0.01
13		1,2-Dichlorobenzene	40.000	38.894	2.8	94	0.01

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	36.993	7.5	93	0.00
2		Di-Isopropyl ether	40.000	40.512	-1.3	101	0.01
3		Benzene	40.000	39.202	2.0	99	0.00
4	S	a,a,a-TFT(S)	20.000	21.270	-6.3	101	0.01
5		Toluene	40.000	40.321	-0.8	99	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	21.887	-9.4	104	0.01
7		Chlorobenzene	40.000	38.639	3.4	99	0.01
8		Ethylbenzene	40.000	40.014	-0.0	101	0.02
9		m,p-Xylene	80.000	83.071	-3.8	104	0.01
10		o-Xylene	40.000	40.441	-1.1	100	0.02
11		1,3-Dichlorobenzene	40.000	41.047	-2.6	97	0.02
12		1,4-Dichlorobenzene	40.000	40.163	-0.4	98	0.02
13		1,2-Dichlorobenzene	40.000	39.654	0.9	91	0.02

Average % D = 3.7

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF043787.D DUAL0913.M Fri Sep 24 09:33:39 2004 EF

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3363-CC3348
Lab FileID: EF044214.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092304\EF044214.D\FID1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\092304\EF044214.D\FID2B.CH
Acq On : 23 Sep 2004 2:30 pm Operator: ClaireV
Sample : cc3348-20 Inst : VOA1
Misc : gc3980,gef3363,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0913.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:58 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.748	-3.7	106	0.00
2		Di-Isopropyl ether	20.000	21.821	-9.1	113	0.00
3		Benzene	20.000	21.269	-6.3	113	0.00
4	S	a,a,a-TFT(S)	20.000	21.682	-8.4	113	0.00
5		Toluene	20.000	21.591	-8.0	111	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	21.423	-7.1	112	0.00
7		Chlorobenzene	20.000	21.172	-5.9	112	0.01
8		Ethylbenzene	20.000	21.338	-6.7	111	0.01
9		m,p-Xylene	40.000	42.949	-7.4	111	0.00
10		o-Xylene	20.000	21.509	-7.5	110	0.01
11		1,3-Dichlorobenzene	20.000	20.983	-4.9	111	0.01
12		1,4-Dichlorobenzene	20.000	20.561	-2.8	111	0.01
13		1,2-Dichlorobenzene	20.000	20.307	-1.5	110	0.01

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.050	-0.3	104	0.00
2		Di-Isopropyl ether	20.000	21.412	-7.1	111	0.01
3		Benzene	20.000	20.788	-3.9	110	0.01
4	S	a,a,a-TFT(S)	20.000	21.320	-6.6	114	0.01
5		Toluene	20.000	21.067	-5.3	111	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	20.951	-4.8	110	0.01
7		Chlorobenzene	20.000	20.229	-1.1	108	0.01
8		Ethylbenzene	20.000	20.794	-4.0	109	0.02
9		m,p-Xylene	40.000	42.131	-5.3	111	0.00
10		o-Xylene	20.000	20.990	-4.9	109	0.02
11		1,3-Dichlorobenzene	20.000	20.865	-4.3	110	0.02
12		1,4-Dichlorobenzene	20.000	20.281	-1.4	108	0.02
13		1,2-Dichlorobenzene	20.000	20.845	-4.2	108	0.02

Average % D = 5.1

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF043786.D DUAL0913.M Fri Sep 24 09:34:08 2004 EF

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3363-CC3348
Lab FileID: EF044225.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092304\EF044225.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\092304\EF044225.D\FID2B.CH
Acq On : 23 Sep 2004 7:13 pm Operator: ClaireV
Sample : cc3348-20 Inst : VOA1
Misc : gc3983,gef3363,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0913.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:58 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.984	5.1	97	0.00
2		Di-Isopropyl ether	20.000	19.381	3.1	100	0.00
3		Benzene	20.000	19.022	4.9	101	0.00
4	S	a,a,a-TFT(S)	20.000	20.568	-2.8	108	0.00
5		Toluene	20.000	18.986	5.1	98	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	20.262	-1.3	106	0.01
7		Chlorobenzene	20.000	18.593	7.0	98	0.01
8		Ethylbenzene	20.000	19.101	4.5	99	0.01
9		m,p-Xylene	40.000	38.762	3.1	101	0.01
10		o-Xylene	20.000	19.201	4.0	99	0.01
11		1,3-Dichlorobenzene	20.000	18.944	5.3	100	0.02
12		1,4-Dichlorobenzene	20.000	18.537	7.3	100	0.02
13		1,2-Dichlorobenzene	20.000	17.886	10.6	97	0.01

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.226	8.9	95	0.00
2		Di-Isopropyl ether	20.000	18.879	5.6	98	0.01
3		Benzene	20.000	18.489	7.6	98	0.01
4	S	a,a,a-TFT(S)	20.000	19.896	0.5	107	0.01
5		Toluene	20.000	18.085	9.6	96	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	19.794	1.0	104	0.01
7		Chlorobenzene	20.000	17.831	10.8	95	0.01
8		Ethylbenzene	20.000	18.620	6.9	98	0.02
9		m,p-Xylene	40.000	37.526	6.2	99	0.01
10		o-Xylene	20.000	18.398	8.0	96	0.02
11		1,3-Dichlorobenzene	20.000	18.413	7.9	97	0.02
12		1,4-Dichlorobenzene	20.000	17.965	10.2	96	0.02
13		1,2-Dichlorobenzene	20.000	17.257	13.7	90	0.02

Average % D = 6.2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF043786.D DUAL0913.M Fri Sep 24 09:34:09 2004 EF

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3365-CC3348
Lab FileID: EF044260.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092404\EF044260.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\092404\EF044260.D\FID2B.CH
Acq On : 24 Sep 2004 9:46 am Operator: ClaireV
Sample : cc3348-40 Inst : VOA1
Misc : gc3980,gef3365,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0913.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:59 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	38.464	3.8	97	0.00
2		Di-Isopropyl ether	40.000	41.640	-4.1	106	0.01
3		Benzene	40.000	41.213	-3.0	106	0.01
4	S	a,a,a-TFT(S)	20.000	21.792	-9.0	104	0.01
5		Toluene	40.000	42.453	-6.1	107	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	22.209	-11.0	107	0.01
7		Chlorobenzene	40.000	41.383	-3.5	105	0.01
8		Ethylbenzene	40.000	42.126	-5.3	108	0.01
9		m,p-Xylene	80.000	86.746	-8.4	109	0.01
10		o-Xylene	40.000	42.990	-7.5	108	0.01
11		1,3-Dichlorobenzene	40.000	43.740	-9.4	107	0.02
12		1,4-Dichlorobenzene	40.000	42.676	-6.7	106	0.01
13		1,2-Dichlorobenzene	40.000	40.399	-1.0	97	0.01

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	40.000	37.894	5.3	95	0.00
2		Di-Isopropyl ether	40.000	40.724	-1.8	102	0.01
3		Benzene	40.000	40.690	-1.7	103	0.00
4	S	a,a,a-TFT(S)	20.000	21.161	-5.8	100	0.01
5		Toluene	40.000	41.580	-3.9	102	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	21.943	-9.7	105	0.01
7		Chlorobenzene	40.000	39.851	0.4	102	0.01
8		Ethylbenzene	40.000	42.049	-5.1	107	0.01
9		m,p-Xylene	80.000	83.423	-4.3	105	0.00
10		o-Xylene	40.000	41.753	-4.4	103	0.01
11		1,3-Dichlorobenzene	40.000	43.032	-7.6	101	0.02
12		1,4-Dichlorobenzene	40.000	42.921	-7.3	104	0.01
13		1,2-Dichlorobenzene	40.000	41.271	-3.2	94	0.01

Average % D = 5.4

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF043787.D DUAL0913.M Tue Sep 28 09:20:58 2004 EF

Continuing Calibration Summary

Job Number: F26791 **Sample:** GEF3365-CC3348
Account: EEINCJX EEI **Lab FileID:** EF044271.D
Project: Camp Lejeune-Bldg 645

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092404\EF044271.D\FID1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\092404\EF044271.D\FID2B.CH
Acq On : 24 Sep 2004 2:17 pm Operator: ClaireV
Sample : cc3348-20 Inst : VOA1
Misc : gc3983,gef3365,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0913.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:59 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.987	0.1	102	0.00
2		Di-Isopropyl ether	20.000	21.189	-5.9	110	0.00
3		Benzene	20.000	20.721	-3.6	110	0.00
4	S	a,a,a-TFT(S)	20.000	21.352	-6.8	112	0.00
5		Toluene	20.000	21.111	-5.6	109	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	21.607	-8.0	113	0.00
7		Chlorobenzene	20.000	20.606	-3.0	109	0.00
8		Ethylbenzene	20.000	21.011	-5.1	109	0.00
9		m,p-Xylene	40.000	42.530	-6.3	110	0.00
10		o-Xylene	20.000	21.217	-6.1	109	0.00
11		1,3-Dichlorobenzene	20.000	21.208	-6.0	113	0.00
12		1,4-Dichlorobenzene	20.000	20.798	-4.0	113	0.00
13		1,2-Dichlorobenzene	20.000	20.971	-4.9	114	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.819	5.9	98	0.00
2		Di-Isopropyl ether	20.000	20.311	-1.6	105	0.00
3		Benzene	20.000	20.024	-0.1	106	0.00
4	S	a,a,a-TFT(S)	20.000	20.374	-1.9	109	0.00
5		Toluene	20.000	20.404	-2.0	108	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.740	-3.7	108	0.00
7		Chlorobenzene	20.000	19.803	1.0	106	0.00
8		Ethylbenzene	20.000	20.111	-0.6	105	0.00
9		m,p-Xylene	40.000	40.376	-0.9	107	0.00
10		o-Xylene	20.000	19.892	0.5	104	0.01
11		1,3-Dichlorobenzene	20.000	20.492	-2.5	108	0.01
12		1,4-Dichlorobenzene	20.000	19.899	0.5	106	0.01
13		1,2-Dichlorobenzene	20.000	19.873	0.6	103	0.01

Average % D = 3.4

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF043786.D DUAL0913.M Tue Sep 28 09:21:27 2004 EF

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3365-CC3348
Lab FileID: EF044282.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092404\EF044282.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\092404\EF044282.D\FID2B.CH
Acq On : 24 Sep 2004 7:03 pm Operator: ClaireV
Sample : cc3348-20 Inst : VOA1
Misc : gc3983,gef3365,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0913.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:59 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.577	2.1	100	0.00
2		Di-Isopropyl ether	20.000	20.585	-2.9	106	0.00
3		Benzene	20.000	19.866	0.7	105	0.00
4	S	a,a,a-TFT(S)	20.000	21.481	-7.4	112	0.00
5		Toluene	20.000	20.131	-0.7	104	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	20.811	-4.1	109	0.00
7		Chlorobenzene	20.000	19.516	2.4	103	0.01
8		Ethylbenzene	20.000	19.785	1.1	103	0.01
9		m,p-Xylene	40.000	39.761	0.6	103	0.00
10		o-Xylene	20.000	19.850	0.7	102	0.01
11		1,3-Dichlorobenzene	20.000	18.589	7.1	99	0.01
12		1,4-Dichlorobenzene	20.000	18.175	9.1	98	0.01
13		1,2-Dichlorobenzene	20.000	16.665	16.7#	91	0.01

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	18.955	5.2	99	0.00
2		Di-Isopropyl ether	20.000	19.597	2.0	101	0.01
3		Benzene	20.000	19.218	3.9	102	0.00
4	S	a,a,a-TFT(S)	20.000	20.400	-2.0	110	0.01
5		Toluene	20.000	19.082	4.6	101	0.01
6	S	1-Chloro-4-Fluorobenzene	20.000	20.172	-0.9	105	0.01
7		Chlorobenzene	20.000	18.659	6.7	100	0.01
8		Ethylbenzene	20.000	19.087	4.6	100	0.01
9		m,p-Xylene	40.000	37.740	5.6	100	0.00
10		o-Xylene	20.000	18.653	6.7	97	0.01
11		1,3-Dichlorobenzene	20.000	18.252	8.7	96	0.02
12		1,4-Dichlorobenzene	20.000	17.434	12.8	93	0.02
13		1,2-Dichlorobenzene	20.000	16.307	18.5#	85	0.02

Average % D = 5.3

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF043786.D DUAL0913.M Tue Sep 28 09:21:28 2004 EF

Initial Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3367-ICC3367
Lab FileID: EF044322.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL0928.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:59 2004
Response via : Initial Calibration

Calibration Files
1 =EF044320.D 2 =EF044321.D 3 =EF044322.D
4 =EF044323.D 5 =EF044324.D 6 =EF044325.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1)	Methyl tert Butyl E	1.191	1.499	1.447	1.445	1.421	1.414	1.403 E3	7.70
2)	Di-Isopropyl ether	1.942	2.352	2.255	2.248	2.211	2.191	2.200 E3	6.27
3)	Benzene	4.007	4.567	4.336	4.364	4.253	4.236	4.294 E3	4.28
4) S	a,a,a-TFT(S)	1.504	1.497	1.505	1.510	1.516	1.552	1.514 E3	1.30
5)	Toluene	3.393	3.782	3.606	3.642	3.616	3.566	3.601 E3	3.49
6) S	1-Chloro-4-Fluorobe	2.160	2.097	2.143	2.172	2.222	2.275	2.178 E3	2.86
7)	Chlorobenzene		3.990	3.442	3.395	3.416	3.411	3.531 E3	7.28
8)	Ethylbenzene		3.333	2.951	2.944	2.904	2.905	3.007 E3	6.10
9)	m,p-Xylene	3.292	3.482	3.222	3.267	3.267	3.251	3.297 E3	2.85
10)	o-Xylene	2.910	3.052	2.900	2.910	2.890	2.871	2.922 E3	2.23
11)	1,3-Dichlorobenzene		2.035	2.063	2.209	2.293	2.337	2.187 E3	6.17
12)	1,4-Dichlorobenzene		2.159	2.161	2.334	2.452	2.505	2.322 E3	6.92
13)	1,2-Dichlorobenzene		1.133	1.132	1.191	1.212	1.256	1.185 E3	4.51

Signal #2

1)	Methyl tert Butyl E	1.177	1.513	1.469	1.493	1.451	1.438	1.424 E3	8.71
2)	Di-Isopropyl ether	1.823	2.251	2.193	2.211	2.162	2.132	2.129 E3	7.29
3)	Benzene	3.889	4.546	4.362	4.398	4.294	4.270	4.293 E3	5.14
4) S	a,a,a-TFT(S)	1.438	1.442	1.465	1.487	1.485	1.512	1.472 E3	1.94
5)	Toluene	3.204	3.681	3.600	3.643	3.574	3.562	3.544 E3	4.87
6) S	1-Chloro-4-Fluorobe	1.945	1.944	2.042	2.101	2.126	2.168	2.054 E3	4.59
7)	Chlorobenzene	8.963	4.447	3.612	3.537	3.493	3.501	4.592 E3	47.31

----- Linear regression ----- Coefficient = 0.9999
Response Ratio = 4435.12383 + 3444.40353 *A

8)	Ethylbenzene	3.501	3.379	3.112	3.140	3.084	3.056	3.212 E3	5.70
9)	m,p-Xylene	3.377	3.547	3.319	3.387	3.376	3.365	3.395 E3	2.30
10)	o-Xylene	2.725	2.966	2.828	2.874	2.836	2.817	2.841 E3	2.77
11)	1,3-Dichlorobenzene		2.013	2.064	2.211	2.280	2.300	2.174 E3	5.93
12)	1,4-Dichlorobenzene		1.983	2.043	2.185	2.279	2.305	2.159 E3	6.57
13)	1,2-Dichlorobenzene		1.107	1.124	1.219	1.264	1.299	1.203 E3	7.06

(#) = Out of Range

DUAL0928.M Wed Sep 29 09:16:25 2004 EF

Continuing Calibration Summary

Job Number: F26791
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3367-CC3367
Lab FileID: EF044336.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092804\EF044336.D\FID1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA\092804\EF044336.D\FID2B.CH
Acq On : 28 Sep 2004 6:53 pm Operator: ClaireV
Sample : cc3367-20 Inst : VOA1
Misc : gc3983,gef3367,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0928.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Sep 16 09:53:59 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	20.083	-0.4	97	0.00
2		Di-Isopropyl ether	20.000	20.497	-2.5	100	0.00
3		Benzene	20.000	20.217	-1.1	100	0.00
4	S	a,a,a-TFT(S)	20.000	19.764	1.2	99	0.00
5		Toluene	20.000	19.960	0.2	100	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	19.496	2.5	99	0.00
7		Chlorobenzene	20.000	19.133	4.3	98	0.00
8		Ethylbenzene	20.000	19.521	2.4	99	0.00
9		m,p-Xylene	40.000	38.810	3.0	99	0.00
10		o-Xylene	20.000	19.553	2.2	99	0.00
11		1,3-Dichlorobenzene	20.000	19.060	4.7	101	0.00
12		1,4-Dichlorobenzene	20.000	18.385	8.1	99	0.00
13		1,2-Dichlorobenzene	20.000	18.843	5.8	99	0.00

Signal #2

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1		Methyl tert Butyl Ether	20.000	19.971	0.1	97	0.00
2		Di-Isopropyl ether	20.000	20.602	-3.0	100	0.00
3		Benzene	20.000	20.399	-2.0	100	0.00
4	S	a,a,a-TFT(S)	20.000	19.847	0.8	100	0.00
5		Toluene	20.000	20.135	-0.7	99	0.00
6	S	1-Chloro-4-Fluorobenzene	20.000	19.674	1.6	99	0.00
7		Chlorobenzene	20.000	19.408	3.0	99	0.00
8		Ethylbenzene	20.000	19.247	3.8	99	0.00
9		m,p-Xylene	40.000	38.940	2.7	100	0.00
10		o-Xylene	20.000	19.860	0.7	100	0.00
11		1,3-Dichlorobenzene	20.000	18.984	5.1	100	0.00
12		1,4-Dichlorobenzene	20.000	18.681	6.6	99	0.00
13		1,2-Dichlorobenzene	20.000	18.332	8.3	98	0.00

Average % D = 2.9

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF044322.D DUAL0928.M Wed Sep 29 09:15:50 2004 EF

December 2004 Groundwater Laboratory Report

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F28690

Sampling Dates: 12/07/04 - 12/08/04

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **121**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F28690

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F28690-1	12/07/04	13:18	BS	12/09/04	AQ	Ground Water	UST645-MW09
F28690-2	12/07/04	08:05	BS	12/09/04	AQ	Ground Water	UST645-MW13
F28690-3	12/07/04	08:45	BS	12/09/04	AQ	Ground Water	UST645-MW11
F28690-4	12/07/04	09:35	BS	12/09/04	AQ	Ground Water	UST645-MW21
F28690-5	12/07/04	14:10	BS	12/09/04	AQ	Ground Water	UST645-MW12
F28690-6	12/07/04	14:45	BS	12/09/04	AQ	Ground Water	UST645-MW03
F28690-7	12/07/04	15:30	BS	12/09/04	AQ	Ground Water	UST645-MW02
F28690-8	12/07/04	16:20	BS	12/09/04	AQ	Ground Water	UST645-MW15
F28690-9	12/07/04	16:55	BS	12/09/04	AQ	Ground Water	UST645-MW01
F28690-10	12/07/04	00:00	BS	12/09/04	AQ	Ground Water	UST645-DUP
F28690-11	12/08/04	08:15	BS	12/09/04	AQ	Ground Water	UST645-MW22
F28690-12	12/08/04	08:55	BS	12/09/04	AQ	Ground Water	UST645-MW23
F28690-13	12/08/04	09:45	BS	12/09/04	AQ	Ground Water	UST645-MW18

Sample Summary
(continued)

EEI

Job No: F28690

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F28690-14	12/08/04	10:20	BS	12/09/04	AQ	Ground Water	UST645-MW06
F28690-15	12/08/04	12:10	BS	12/09/04	AQ	Ground Water	UST645-MW16
F28690-16	12/08/04	11:10	BS	12/09/04	AQ	Ground Water	UST645-MW17
F28690-17	12/08/04	13:30	BS	12/09/04	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EEI **Job No:** F28690

Site: Camp Lejeune-Bldg 645 **Report Date:** 12/17/2004 11:39:57

16 Samples and 1 Trip Blank were collected on between 12/07/2004 and 12/08/2004 and were received at Accutest on 12/09/2004 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F28690. 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.

Extractables by GCMS by Method EPA 625

Matrix: AQ **Batch ID:** OP12072

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F28690-2MS, F28690-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

RPDs for MSD for 4-Nitrophenol, Phenol are outside control limits for sample OP12072-MSD. Probable cause due to sample non-homogeneity.

Volatiles by GC by Method EPA 601/602

Matrix: AQ **Batch ID:** GCD2323

All samples were analyzed within the recommended method holding time.

Samples F28690-2MS, F28690-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample F28690-7 has surrogates outside control limits. Probable cause: due to matrix interference.

F28690-5: All hits confirmed by dual column analysis.

F28690-6: All hits confirmed by dual column analysis.

F28690-7: All hits confirmed by GC/MS.

F28690-7 for Benzene: Elevated reporting limits due to matrix interference.

F28690-7 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F28690-8: All hits confirmed by dual column analysis.

F28690-9: All hits confirmed by dual column analysis.

F28690-10: All hits confirmed by dual column analysis.

F28690-11: All hits confirmed by GC/MS.

Matrix: AQ **Batch ID:** GCD2324

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F28690-15MS, F28690-15MSD were used as the QC samples indicated.

F28690-13: All hits confirmed by dual column analysis.

F28690-15: All hits confirmed by dual column analysis.

F28690-16: All hits confirmed by dual column analysis.

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: December 17, 2004

Ellen Pampel, Inorganic QA (signature on file)

Friday, December 17, 2004

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F28690-1	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024526.D	1	12/14/04	ME	12/14/04	OP12072	SL1294
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	49	24	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	2.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F28690-1	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		19-90%
4165-62-2	Phenol-d5	32%		10-68%
118-79-6	2,4,6-Tribromophenol	94%		36-137%
4165-60-0	Nitrobenzene-d5	86%		49-119%
321-60-8	2-Fluorobiphenyl	91%		45-118%
1718-51-0	Terphenyl-d14	84%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW09		
Lab Sample ID:	F28690-1	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F28690-1	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD056417.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW13		
Lab Sample ID:	F28690-2	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024527.D	1	12/14/04	ME	12/14/04	OP12072	SL1294
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	2.0	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	2.0	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	5.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	2.0	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	5.1	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	ug/l	
120-12-7	Anthracene	ND	5.1	1.0	ug/l	
92-87-5	Benzidine	ND	51	26	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	2.0	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	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	3.1	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	1.0	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:	UST645-MW13		
Lab Sample ID:	F28690-2	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.1	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.1	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.1	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	2.0	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	2.6	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	2.6	ug/l	
206-44-0	Fluoranthene	ND	5.1	1.0	ug/l	
86-73-7	Fluorene	ND	5.1	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.1	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.1	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
78-59-1	Isophorone	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	ND	5.1	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.1	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.1	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		19-90%
4165-62-2	Phenol-d5	30%		10-68%
118-79-6	2,4,6-Tribromophenol	98%		36-137%
4165-60-0	Nitrobenzene-d5	86%		49-119%
321-60-8	2-Fluorobiphenyl	97%		45-118%
1718-51-0	Terphenyl-d14	99%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW13		
Lab Sample ID:	F28690-2	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW13		
Lab Sample ID:	F28690-2	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD056418.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW11		
Lab Sample ID:	F28690-3	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024530.D	1	12/14/04	ME	12/14/04	OP12072	SL1294
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	2.0	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	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	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	5.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	2.0	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	5.1	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	ug/l	
120-12-7	Anthracene	ND	5.1	1.0	ug/l	
92-87-5	Benzidine	ND	51	25	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	2.0	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	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	3.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	1.0	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:	UST645-MW11		
Lab Sample ID:	F28690-3	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.1	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.1	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.1	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.1	1.0	ug/l	
86-73-7	Fluorene	ND	5.1	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.1	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.1	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
78-59-1	Isophorone	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	ND	5.1	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.1	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.1	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		19-90%
4165-62-2	Phenol-d5	30%		10-68%
118-79-6	2,4,6-Tribromophenol	92%		36-137%
4165-60-0	Nitrobenzene-d5	81%		49-119%
321-60-8	2-Fluorobiphenyl	88%		45-118%
1718-51-0	Terphenyl-d14	80%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	13.40	11	ug/l	JN
	Total TIC, Semi-Volatile		11	ug/l	J

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

Report of Analysis

Client Sample ID:	UST645-MW11		
Lab Sample ID:	F28690-3	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD056422.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	92%		70-123%
98-08-8	aaa-Trifluorotoluene	100%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F28690-4	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024531.D	1	12/14/04	ME	12/14/04	OP12072	SL1294
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	2.0	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	2.0	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	5.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	2.0	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	5.1	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	ug/l	
120-12-7	Anthracene	ND	5.1	1.0	ug/l	
92-87-5	Benzidine	ND	51	26	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	2.0	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	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	3.1	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	1.0	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:	UST645-MW21		
Lab Sample ID:	F28690-4	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.1	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.1	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.1	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	2.0	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	2.6	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	2.6	ug/l	
206-44-0	Fluoranthene	ND	5.1	1.0	ug/l	
86-73-7	Fluorene	ND	5.1	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.1	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.1	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
78-59-1	Isophorone	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	ND	5.1	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.1	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.1	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		19-90%
4165-62-2	Phenol-d5	32%		10-68%
118-79-6	2,4,6-Tribromophenol	92%		36-137%
4165-60-0	Nitrobenzene-d5	86%		49-119%
321-60-8	2-Fluorobiphenyl	92%		45-118%
1718-51-0	Terphenyl-d14	82%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW21		
Lab Sample ID:	F28690-4	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F28690-4	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD056423.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F28690-5	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024532.D	1	12/14/04	ME	12/14/04	OP12072	SL1294
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	2.0	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	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	2.4	4.9	2.0	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.98	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.98	ug/l	
120-12-7	Anthracene	ND	4.9	0.98	ug/l	
92-87-5	Benzidine	ND	49	25	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.98	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.98	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.98	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.98	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.98	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.98	ug/l	
106-47-8	4-Chloroaniline	ND	9.8	2.9	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	2.0	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	0.98	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.98	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.98	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.98	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F28690-5	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.98	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.98	ug/l	
86-73-7	Fluorene	ND	4.9	0.98	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.98	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	2.0	ug/l	
67-72-1	Hexachloroethane	ND	4.9	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	2.0	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-20-3	Naphthalene	1.9	4.9	0.98	ug/l	J
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	2.0	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	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		19-90%
4165-62-2	Phenol-d5	36%		10-68%
118-79-6	2,4,6-Tribromophenol	100%		36-137%
4165-60-0	Nitrobenzene-d5	90%		49-119%
321-60-8	2-Fluorobiphenyl	95%		45-118%
1718-51-0	Terphenyl-d14	87%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
590-36-3	2-Pentanol, 2-methyl-	2.90	60	ug/l	JN
77-74-7	3-Pentanol, 3-methyl-	3.09	38	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F28690-5	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1462-03-9	Cyclopentanol, 1-methyl-	3.44	8.5	ug/l	JN
625-23-0	2-Hexanol, 2-methyl-	3.77	12	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.86	29	ug/l	JN
106-42-3	p-Xylene	4.26	9.4	ug/l	JN
590-67-0	1-Methylcyclohexanol	4.31	17	ug/l	JN
108-67-8	Benzene, 1,3,5-trimethyl-	4.97	18	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.77	11	ug/l	JN
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	6.02	9	ug/l	JN
6351-10-6	1H-Inden-1-ol, 2,3-dihydro-	6.58	14	ug/l	JN
83-33-0	1H-Inden-1-one, 2,3-dihydro-	6.97	8.3	ug/l	JN
611-01-8	Benzoic acid, 2,4-dimethyl-	7.32	16	ug/l	JN
610-72-0	Benzoic acid, 2,5-dimethyl-	7.36	11	ug/l	JN
17496-18-3	1H-Inden-1-ol, 2,3-dihydro-2-methyl-	7.44	10	ug/l	JN
622-97-9	Benzene, 1-ethenyl-4-methyl-	7.85	8.1	ug/l	JN
480-63-7	Benzoic acid, 2,4,6-trimethyl-	7.94	24	ug/l	JN
1000201-99-6	7-Methylindan-1-one	7.99	8.1	ug/l	JN
	unknown	8.09	10	ug/l	J
528-90-5	Benzoic acid, 2,4,5-trimethyl-	8.40	14	ug/l	JN
	Total TIC, Semi-Volatile		335.4	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F28690-5	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD056424.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.87	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	8.0	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.66	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	46.8	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	111%		70-123%
98-08-8	aaa-Trifluorotoluene	102%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F28690-6	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024550.D	1	12/15/04	ME	12/14/04	OP12072	SL1295
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	2.9	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F28690-6	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	19.6	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		19-90%
4165-62-2	Phenol-d5	30%		10-68%
118-79-6	2,4,6-Tribromophenol	98%		36-137%
4165-60-0	Nitrobenzene-d5	84%		49-119%
321-60-8	2-Fluorobiphenyl	90%		45-118%
1718-51-0	Terphenyl-d14	86%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
100-41-4	Ethylbenzene	4.02	15	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.87	12	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F28690-6	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
526-73-8	Benzene, 1,2,3-trimethyl-	4.97	98	ug/l	JN
496-11-7	Indane	5.26	40	ug/l	JN
141-93-5	Benzene, 1,3-diethyl-	5.31	24	ug/l	JN
1074-17-5	Benzene, 1-methyl-2-propyl-	5.34	20	ug/l	JN
25340-17-4	Benzene, diethyl-	5.37	14	ug/l	JN
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	5.50	28	ug/l	JN
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	5.52	20	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.78	18	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.80	29	ug/l	JN
767-58-8	Indan, 1-methyl-	5.96	13	ug/l	JN
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	6.02	38	ug/l	JN
56147-63-8	2-Ethyl-2,3-dihydro-1H-indene	6.60	11	ug/l	JN
6682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6.73	10	ug/l	JN
17059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethyl-	6.82	11	ug/l	JN
700-12-9	Benzene, pentamethyl-	6.94	6.3	ug/l	JN
582-16-1	Naphthalene, 2,7-dimethyl-	7.99	6.7	ug/l	JN
	unknown	11.41	8.9	ug/l	J
10544-50-0	Cyclic octaatomic sulfur	13.44	75	ug/l	JN
	Total TIC, Semi-Volatile		497.9	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F28690-6	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD056425.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.64	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	20.0	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.71	1.0	0.50	ug/l	J
108-88-3	Toluene	1.4	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	15.8	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	105%		70-123%
98-08-8	aaa-Trifluorotoluene	103%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F28690-7	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024551.D	1	12/15/04	ME	12/14/04	OP12072	SL1295
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F28690-7	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		19-90%
4165-62-2	Phenol-d5	27%		10-68%
118-79-6	2,4,6-Tribromophenol	92%		36-137%
4165-60-0	Nitrobenzene-d5	85%		49-119%
321-60-8	2-Fluorobiphenyl	91%		45-118%
1718-51-0	Terphenyl-d14	74%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
816-79-5	2-Pentene, 3-ethyl-	2.59	6.2	ug/l	JN
106-42-3	p-Xylene	4.26	32	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F28690-7	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
620-14-4	Benzene, 1-ethyl-3-methyl-	4.74	97	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.86	81	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.97	140	ug/l	JN
873-49-4	Benzene, cyclopropyl-	5.26	35	ug/l	JN
141-93-5	Benzene, 1,3-diethyl-	5.31	24	ug/l	JN
1074-43-7	Benzene, 1-methyl-3-propyl-	5.33	16	ug/l	JN
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	5.37	42	ug/l	JN
93-53-8	Benzeneacetaldehyde, .alpha.-methyl-	5.44	10	ug/l	JN
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	5.49	21	ug/l	JN
99-87-6	Benzene, 1-methyl-4-(1-methylethyl)-	5.52	20	ug/l	JN
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	5.69	11	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.77	12	ug/l	JN
527-53-7	Benzene, 1,2,3,5-tetramethyl-	5.80	20	ug/l	JN
824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	6.02	38	ug/l	JN
1687-64-5	Phenol, 2-ethyl-6-methyl-	6.58	8.2	ug/l	JN
603-79-2	Benzoic acid, 2,3-dimethyl-	7.32	19	ug/l	JN
610-72-0	Benzoic acid, 2,5-dimethyl-	7.36	11	ug/l	JN
499-06-9	Benzoic acid, 3,5-dimethyl-	7.74	6.8	ug/l	JN
	Total TIC, Semi-Volatile		650.2	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F28690-7	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD056426.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene [b]	ND	3.0	3.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	29.3	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	3.4	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	136	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	118%		70-123%
98-08-8	aaa-Trifluorotoluene	144% [c]		73-122%

(a) All hits confirmed by GC/MS.
(b) Elevated reporting limits due to matrix interference.
(c) Outside control limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F28690-8	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024535.D	1	12/15/04	ME	12/14/04	OP12072	SL1294
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F28690-8	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		19-90%
4165-62-2	Phenol-d5	30%		10-68%
118-79-6	2,4,6-Tribromophenol	91%		36-137%
4165-60-0	Nitrobenzene-d5	84%		49-119%
321-60-8	2-Fluorobiphenyl	91%		45-118%
1718-51-0	Terphenyl-d14	81%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
590-36-3	2-Pentanol, 2-methyl-	2.90	19	ug/l	JN
77-74-7	3-Pentanol, 3-methyl-	3.09	21	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F28690-8	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
1462-03-9	Cyclopentanol, 1-methyl-	3.44	14	ug/l	JN
594-83-2	Ethanol, pentamethyl-	3.77	5.7	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.87	11	ug/l	JN
19550-46-0	1,3-Dimethyl cyclopentanol	3.88	5.1	ug/l	JN
	Total TIC, Semi-Volatile		75.8	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F28690-8	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD056427.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	28.9	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	93%		70-123%
98-08-8	aaa-Trifluorotoluene	97%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F28690-9	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024552.D	1	12/15/04	ME	12/14/04	OP12072	SL1295
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	7.3	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	50	25	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	3.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	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:	UST645-MW01		
Lab Sample ID:	F28690-9	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	2.0	5.0	1.0	ug/l	J
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		19-90%
4165-62-2	Phenol-d5	25%		10-68%
118-79-6	2,4,6-Tribromophenol	97%		36-137%
4165-60-0	Nitrobenzene-d5	82%		49-119%
321-60-8	2-Fluorobiphenyl	90%		45-118%
1718-51-0	Terphenyl-d14	82%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
591-78-6	2-Hexanone	3.39	13	ug/l	JN
1757-42-2	Cyclopentanone, 3-methyl-	3.93	14	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F28690-9	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
95-47-6	Benzene, 1,2-dimethyl-	4.27	20	ug/l	JN
4741-86-0	Cyclopropane, (1-methylethylidene)-	4.62	13	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.75	43	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.97	100	ug/l	JN
496-11-7	Indane	5.26	35	ug/l	JN
141-93-5	Benzene, 1,3-diethyl-	5.31	19	ug/l	JN
1074-43-7	Benzene, 1-methyl-3-propyl-	5.34	17	ug/l	JN
141-93-5	Benzene, 1,3-diethyl-	5.37	21	ug/l	JN
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	5.50	20	ug/l	JN
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	5.52	17	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.80	16	ug/l	JN
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	6.02	27	ug/l	JN
1123-94-0	Phenol, 4-ethyl-3-methyl-	6.51	13	ug/l	JN
698-71-5	Phenol, 3-ethyl-5-methyl-	6.59	32	ug/l	JN
83-33-0	1H-Inden-1-one, 2,3-dihydro-	6.98	31	ug/l	JN
1000191-75-0	1-Methylindan-2-one	7.26	18	ug/l	JN
	unknown	8.09	23	ug/l	J
10544-50-0	Cyclic octaatomic sulfur	13.42	56	ug/l	JN
	Total TIC, Semi-Volatile		548	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F28690-9	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD056428.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.5	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	22.3	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	11.5	1.0	0.50	ug/l	
108-88-3	Toluene	10.9	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	41.5	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	112%		70-123%
98-08-8	aaa-Trifluorotoluene	109%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F28690-10	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024537.D	1	12/15/04	ME	12/14/04	OP12072	SL1294
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	2.1	4.9	1.9	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	49	24	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	2.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F28690-10	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	6.5	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		19-90%
4165-62-2	Phenol-d5	34%		10-68%
118-79-6	2,4,6-Tribromophenol	95%		36-137%
4165-60-0	Nitrobenzene-d5	86%		49-119%
321-60-8	2-Fluorobiphenyl	91%		45-118%
1718-51-0	Terphenyl-d14	86%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
590-36-3	2-Pentanol, 2-methyl-	2.90	57	ug/l	JN
77-74-7	3-Pentanol, 3-methyl-	3.10	37	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F28690-10	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
625-23-0	2-Hexanol, 2-methyl-	3.78	11	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.87	30	ug/l	JN
108-38-3	Benzene, 1,3-dimethyl-	4.27	13	ug/l	JN
590-67-0	1-Methylcyclohexanol	4.32	17	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.87	8.7	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.97	30	ug/l	JN
105-05-5	Benzene, 1,4-diethyl-	5.37	8.8	ug/l	JN
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	5.50	9.6	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.77	13	ug/l	JN
488-23-3	Benzene, 1,2,3,4-tetramethyl-	5.80	12	ug/l	JN
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	6.02	15	ug/l	JN
6351-10-6	1H-Inden-1-ol, 2,3-dihydro-	6.57	14	ug/l	JN
83-33-0	1H-Inden-1-one, 2,3-dihydro-	6.97	9.7	ug/l	JN
17496-18-3	1H-Inden-1-ol, 2,3-dihydro-2-methyl-	7.44	12	ug/l	JN
74663-81-3	1H-1,3,2-Benzodiazaborole, 2-ethyl-2,3-d	7.73	8.4	ug/l	JN
480-63-7	Benzoic acid, 2,4,6-trimethyl-	7.95	32	ug/l	JN
528-90-5	Benzoic acid, 2,4,5-trimethyl-	8.41	16	ug/l	JN
	unknown	9.25	8.9	ug/l	J
	Total TIC, Semi-Volatile		363.1	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F28690-10	**Date Sampled:**	12/07/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD056429.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.98	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	10.0	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.82	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	55.2	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	110%		70-123%
98-08-8	aaa-Trifluorotoluene	100%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F28690-11	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024538.D	1	12/15/04	ME	12/14/04	OP12072	SL1294
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	49	24	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	2.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F28690-11	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	2.9	4.9	2.4	ug/l	J
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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		19-90%
4165-62-2	Phenol-d5	28%		10-68%
118-79-6	2,4,6-Tribromophenol	94%		36-137%
4165-60-0	Nitrobenzene-d5	89%		49-119%
321-60-8	2-Fluorobiphenyl	92%		45-118%
1718-51-0	Terphenyl-d14	86%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
590-36-3	2-Pentanol, 2-methyl-	2.90	31	ug/l	JN
77-74-7	3-Pentanol, 3-methyl-	3.09	18	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F28690-11	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
108-88-3	Toluene	3.20	8.1	ug/l	JN
1462-03-9	Cyclopentanol, 1-methyl-	3.44	11	ug/l	JN
625-23-0	2-Hexanol, 2-methyl-	3.77	7.6	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.87	12	ug/l	JN
19550-46-0	1,3-Dimethyl cyclopentanol	3.88	7.9	ug/l	JN
	Total TIC, Semi-Volatile		95.6	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F28690-11	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD056430.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	69.4	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	34.8	1.0	0.50	ug/l	
108-88-3	Toluene	74.2	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	1.8	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	103%		70-123%
98-08-8	aaa-Trifluorotoluene	107%		73-122%

(a) All hits confirmed by GC/MS.

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F28690-12	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024539.D	1	12/15/04	ME	12/14/04	OP12072	SL1294
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	49	24	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	2.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F28690-12	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		19-90%
4165-62-2	Phenol-d5	30%		10-68%
118-79-6	2,4,6-Tribromophenol	96%		36-137%
4165-60-0	Nitrobenzene-d5	91%		49-119%
321-60-8	2-Fluorobiphenyl	97%		45-118%
1718-51-0	Terphenyl-d14	89%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW23		
Lab Sample ID:	F28690-12	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F28690-12	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD056431.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.59	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F28690-13	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024553.D	1	12/15/04	ME	12/14/04	OP12072	SL1295
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	2.9	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F28690-13	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	8.5	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		19-90%
4165-62-2	Phenol-d5	31%		10-68%
118-79-6	2,4,6-Tribromophenol	97%		36-137%
4165-60-0	Nitrobenzene-d5	86%		49-119%
321-60-8	2-Fluorobiphenyl	91%		45-118%
1718-51-0	Terphenyl-d14	89%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
590-36-3	2-Pentanol, 2-methyl-	2.90	50	ug/l	JN
77-74-7	3-Pentanol, 3-methyl-	3.10	42	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F28690-13	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
108-88-3	Toluene	3.21	310	ug/l	JN
1462-03-9	Cyclopentanol, 1-methyl-	3.44	22	ug/l	JN
625-23-0	2-Hexanol, 2-methyl-	3.77	21	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.87	40	ug/l	JN
100-41-4	Ethylbenzene	4.02	190	ug/l	JN
19550-45-9	1,2-Dimethylcyclopentanol	4.18	5.8	ug/l	JN
106-42-3	p-Xylene	4.27	160	ug/l	JN
590-67-0	1-Methylcyclohexanol	4.31	9	ug/l	JN
100-72-1	2H-Pyran-2-methanol, tetrahydro-	4.34	7.9	ug/l	JN
98-82-8	Benzene, (1-methylethyl)-	4.49	5.8	ug/l	JN
625-25-2	2-Heptanol, 2-methyl-	4.52	11	ug/l	JN
5582-82-1	3-Heptanol, 3-methyl-	4.59	9.6	ug/l	JN
103-65-1	Benzene, propyl-	4.69	7.4	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.86	5.6	ug/l	JN
108-67-8	Benzene, 1,3,5-trimethyl-	4.97	5.3	ug/l	JN
5340-36-3	3-Octanol, 3-methyl-	5.23	6.2	ug/l	JN
610-72-0	Benzoic acid, 2,5-dimethyl-	7.35	12	ug/l	JN
10544-50-0	Cyclic octaatomic sulfur	13.40	16	ug/l	JN
	Total TIC, Semi-Volatile		936.6	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F28690-13	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD056433.D	10	12/13/04	AJ	n/a	n/a	GCD2323
Run #2 [a]	CD056446.D	20	12/14/04	AJ	n/a	n/a	GCD2324

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

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	146	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.0	ug/l	
100-41-4	Ethylbenzene	355	10	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	39.1	10	5.0	ug/l	
108-88-3	Toluene	949 [b]	20	10	ug/l	
1330-20-7	Xylenes (total)	846	30	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	104%	98%	70-123%
98-08-8	aaa-Trifluorotoluene	105%	103%	73-122%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	UST645-MW06		
Lab Sample ID:	F28690-14	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024541.D	1	12/15/04	ME	12/14/04	OP12072	SL1294
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW06		
Lab Sample ID:	F28690-14	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	94%		36-137%
4165-60-0	Nitrobenzene-d5	80%		49-119%
321-60-8	2-Fluorobiphenyl	86%		45-118%
1718-51-0	Terphenyl-d14	85%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW06		
Lab Sample ID:	F28690-14	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW06		
Lab Sample ID:	F28690-14	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD056434.D	1	12/13/04	AJ	n/a	n/a	GCD2323
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-MW16		
Lab Sample ID:	F28690-15	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024542.D	1	12/15/04	ME	12/14/04	OP12072	SL1294
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW16		
Lab Sample ID:	F28690-15	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	86%		36-137%
4165-60-0	Nitrobenzene-d5	80%		49-119%
321-60-8	2-Fluorobiphenyl	86%		45-118%
1718-51-0	Terphenyl-d14	84%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	13.39	5.8	ug/l	JN
	Total TIC, Semi-Volatile		5.8	ug/l	J

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

Report of Analysis

Client Sample ID:	UST645-MW16		
Lab Sample ID:	F28690-15	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD056447.D	1	12/14/04	AJ	n/a	n/a	GCD2324
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.54	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.55	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	90%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW17		
Lab Sample ID:	F28690-16	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024543.D	1	12/15/04	ME	12/14/04	OP12072	SL1294
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	49	24	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	2.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW17		
Lab Sample ID:	F28690-16	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		19-90%
4165-62-2	Phenol-d5	26%		10-68%
118-79-6	2,4,6-Tribromophenol	91%		36-137%
4165-60-0	Nitrobenzene-d5	85%		49-119%
321-60-8	2-Fluorobiphenyl	89%		45-118%
1718-51-0	Terphenyl-d14	80%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW17		
Lab Sample ID:	F28690-16	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW17		
Lab Sample ID:	F28690-16	**Date Sampled:**	12/08/04
Matrix:	AQ - Ground Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD056450.D	1	12/14/04	AJ	n/a	n/a	GCD2324
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.64	1.0	0.50	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.7	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	3.0	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	92%		70-123%
98-08-8	aaa-Trifluorotoluene	99%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F28690-17	**Date Sampled:**	12/08/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/09/04
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD056451.D	1	12/14/04	AJ	n/a	n/a	GCD2324
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	91%		70-123%
98-08-8	aaa-Trifluorotoluene	100%		73-122%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F28690
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Engineering + Environment Inc
ADDRESS: 824 Gumbranch rd Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO: Bill Morris
PHONE #: 910-989-3214

FACILITY INFORMATION

PROJECT NAME: Rld 645
LOCATION: Camp Lejeune
PROJECT NO.:
FAX #: 910-989-3341

ANALYTICAL INFORMATION

60 2 (STEX, MTBE, Naphthalene)
62 5 (BNA + 10 TICs)

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	60 2	62 5
1	UST645-MW09	12-7-04	13:19	BS	GW	5	X				X	3	2
2	UST645-MW13	12-7-04	8:05	BS	GW	5	X				X	3	2
3	UST645-MW11	12-7-04	8:45	BS	GW	5	X				X	3	2
4	UST645-MW21	12-7-04	9:35	BS	GW	5	X				X	3	2
5	UST645-MW12	12-7-04	14:10	BS	GW	5	X				X	3	2
6	UST645-MW03	12-7-04	14:45	BS	GW	5	X				X	3	2
7	UST645-MW02	12-7-04	15:30	BS	GW	5	X				X	3	2
8	UST645-MW15	12-7-04	16:20	BS	GW	5	X				X	3	2
9	UST645-MW01	12-7-04	16:55	BS	GW	5	X				X	3	2
10	UST645-Dup	12-7-04	—	BS	GW	5	X				X	3	2
11	UST645-MW22	12-8-04	8:15	BS	GW	5	X				X	3	2

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [x] OTHER (SPECIFY) Necsa 4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:
1. Rod Sellers	12-8-04 13:30	1. FX
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
5.		5.

RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
2. FX	12-9-04	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
4.		4.

SEAL # | PRESERVE WHERE APPLICABLE ☐ | ON ICE ☐ | TEMPERATURE

F28690: Chain of Custody
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ACCUTEST Laboratories

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:

ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Engineering + Environment Inc.
ADDRESS: 824 Gumbranch rd Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO: Bill Morris
PHONE #: 910-989-3214

FACILITY INFORMATION

PROJECT NAME: Bld 645
LOCATION: Camp Lejeune
PROJECT NO.:
FAX #: 910-989-3341

ANALYTICAL INFORMATION

602 (BTEX, MTBE) (with naphthalene)
625 (BNA + 10 TICs)

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION: HCl	NaOH	HNO3	H2SO4	NONE	602	625
12	UST645-MW23	12-8-04	8:55	BS	GW	5	X				X	3	2
13	UST645-MW18	12-8-04	9:45	BS	GW	5	X				X	3	2
14	UST645-MW06	12-8-04	10:20	BS	GW	5	X				X	3	2
15	UST645-MW16	12-8-04	12:10	BS	GW	5	X				X	3	2
16	UST645-MW17	12-8-04	11:10	BS	GW	5	X				X	3	2
17	Trip Blank	12-8-04	13:30										

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [x] OTHER (SPECIFY) Nccsa 4

COMMENTS/REMARKS

Bob Sellers

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:
1. Bob Sellers	12-8-04 13:30	1. FX
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.

RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
2. FX	12-9-04	2.
RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.

SEAL # | PRESERVE WHERE APPLICABLE ☐ | ON ICE ☐ | TEMPERATURE C

F28690: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F28690

Client: EEI Project: Bldg 645

Date Received: 12-9-04 Time Received: 09:00

# of Coolers Received: 4 Cooler Temperatures: 3.2 3.0 3.1 3.0

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

Air Bill Number:

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

Summary of Comments:

Signature: Carlos A Date: 12-9-04

Review Signature:

ASBD 12/30/03

F28690: Chain of Custody
Page 3 of 3

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12072-MB	L024521.D	1	12/14/04	ME	12/14/04	OP12072	SL1294

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

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14, F28690-15, F28690-16

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	50	25	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	3.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	

Method Blank Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12072-MB	L024521.D	1	12/14/04	ME	12/14/04	OP12072	SL1294

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

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14, F28690-15, F28690-16

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	19-90%
4165-62-2	Phenol-d5	30%	10-68%
118-79-6	2,4,6-Tribromophenol	93%	36-137%
4165-60-0	Nitrobenzene-d5	87%	49-119%
321-60-8	2-Fluorobiphenyl	90%	45-118%
1718-51-0	Terphenyl-d14	89%	46-135%

Method Blank Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12072-MB	L024521.D	1	12/14/04	ME	12/14/04	OP12072	SL1294

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

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14, F28690-15, F28690-16

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12072-MB	L024546.D	1	12/15/04	ME	12/14/04	OP12072	SL1295

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

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14, F28690-15, F28690-16

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	50	25	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	3.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	

Method Blank Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12072-MB	L024546.D	1	12/15/04	ME	12/14/04	OP12072	SL1295

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

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14, F28690-15, F28690-16

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	19-90%
4165-62-2	Phenol-d5	30%	10-68%
118-79-6	2,4,6-Tribromophenol	95%	36-137%
4165-60-0	Nitrobenzene-d5	87%	49-119%
321-60-8	2-Fluorobiphenyl	93%	45-118%
1718-51-0	Terphenyl-d14	90%	46-135%

Method Blank Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12072-MB	L024546.D	1	12/15/04	ME	12/14/04	OP12072	SL1295

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

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14, F28690-15, F28690-16

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12072-BS	L024520.D	1	12/14/04	ME	12/14/04	OP12072	SL1294

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

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14, F28690-15, F28690-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	40.2	80	62-103
59-50-7	4-Chloro-3-methyl phenol	50	44.3	89	64-103
120-83-2	2,4-Dichlorophenol	50	45.4	91	59-103
105-67-9	2,4-Dimethylphenol	50	40.8	82	43-94
51-28-5	2,4-Dinitrophenol	100	92.4	92	12-125
534-52-1	4,6-Dinitro-o-cresol	100	106	106	47-119
88-75-5	2-Nitrophenol	50	45.0	90	64-104
100-02-7	4-Nitrophenol	100	31.2	31	22-50
87-86-5	Pentachlorophenol	100	101	101	50-111
108-95-2	Phenol	50	14.8	30	25-53
88-06-2	2,4,6-Trichlorophenol	50	47.5	95	60-103
83-32-9	Acenaphthene	50	43.1	86	62-101
208-96-8	Acenaphthylene	50	44.5	89	65-113
120-12-7	Anthracene	50	45.1	90	69-107
56-55-3	Benzo(a)anthracene	50	47.1	94	68-106
50-32-8	Benzo(a)pyrene	50	47.2	94	70-114
205-99-2	Benzo(b)fluoranthene	50	47.2	94	68-110
191-24-2	Benzo(g,h,i)perylene	50	42.7	85	63-115
207-08-9	Benzo(k)fluoranthene	50	49.2	98	68-112
101-55-3	4-Bromophenyl phenyl ether	50	48.1	96	73-103
85-68-7	Butyl benzyl phthalate	50	48.2	96	69-108
91-58-7	2-Chloronaphthalene	50	42.6	85	64-102
106-47-8	4-Chloroaniline	50	39.6	79	57-104
218-01-9	Chrysene	50	47.0	94	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	42.8	86	57-103
111-44-4	bis(2-Chloroethyl)ether	50	43.8	88	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	41.9	84	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	45.9	92	71-104
95-50-1	1,2-Dichlorobenzene	50	37.3	75	62-100
122-66-7	1,2-Diphenylhydrazine	50	47.5	95	65-105
541-73-1	1,3-Dichlorobenzene	50	36.3	73	59-99
106-46-7	1,4-Dichlorobenzene	50	35.9	72	60-101
121-14-2	2,4-Dinitrotoluene	50	43.8	88	65-111
606-20-2	2,6-Dinitrotoluene	50	44.3	89	77-111
91-94-1	3,3'-Dichlorobenzidine	50	37.9	76	42-110
53-70-3	Dibenzo(a,h)anthracene	50	42.6	85	62-115

Blank Spike Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12072-BS	L024520.D	1	12/14/04	ME	12/14/04	OP12072	SL1294

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

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14, F28690-15, F28690-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
84-74-2	Di-n-butyl phthalate	50	46.6	93	68-109
117-84-0	Di-n-octyl phthalate	50	54.5	109	63-120
84-66-2	Diethyl phthalate	50	46.1	92	64-110
131-11-3	Dimethyl phthalate	50	46.1	92	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	48.7	97	64-115
206-44-0	Fluoranthene	50	46.2	92	68-111
86-73-7	Fluorene	50	44.2	88	66-105
118-74-1	Hexachlorobenzene	50	45.4	91	69-103
87-68-3	Hexachlorobutadiene	50	38.5	77	55-90
77-47-4	Hexachlorocyclopentadiene	50	27.0	54	26-95
67-72-1	Hexachloroethane	50	34.8	70	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	42.9	86	63-118
78-59-1	Isophorone	50	41.5	83	64-107
91-20-3	Naphthalene	50	40.8	82	62-101
98-95-3	Nitrobenzene	50	44.0	88	61-106
62-75-9	N-Nitrosodimethylamine	50	21.0	42	12-78
621-64-7	N-Nitroso-di-n-propylamine	50	38.7	77	64-109
86-30-6	N-Nitrosodiphenylamine	50	47.2	94	69-114
85-01-8	Phenanthrene	50	46.1	92	68-104
129-00-0	Pyrene	50	49.3	99	64-105
120-82-1	1,2,4-Trichlorobenzene	50	40.7	81	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	47%	19-90%
4165-62-2	Phenol-d5	30%	10-68%
118-79-6	2,4,6-Tribromophenol	92%	36-137%
4165-60-0	Nitrobenzene-d5	85%	49-119%
321-60-8	2-Fluorobiphenyl	92%	45-118%
1718-51-0	Terphenyl-d14	96%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12072-MS	L024528.D	1	12/14/04	ME	12/14/04	OP12072	SL1294
OP12072-MSD	L024529.D	1	12/14/04	ME	12/14/04	OP12072	SL1294
F28690-2	L024527.D	1	12/14/04	ME	12/14/04	OP12072	SL1294

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

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14, F28690-15, F28690-16

CAS No.	Compound	F28690-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		96.2	77.8	81	85.0	88	9	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	81.0	84	88.3	92	9	60-101/18
120-83-2	2,4-Dichlorophenol	ND		96.2	83.7	87	89.6	93	7	55-100/24
105-67-9	2,4-Dimethylphenol	ND		96.2	66.1	69	74.6	78	12	36-98/26
51-28-5	2,4-Dinitrophenol	ND		192	174	90	195	101	11	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		192	198	103	208	108	5	40-127/24
88-75-5	2-Nitrophenol	ND		96.2	84.6	88	87.8	91	4	53-104/25
100-02-7	4-Nitrophenol	ND		192	86.7	45	117	61	30*	32-81/28
87-86-5	Pentachlorophenol	ND		192	194	101	202	105	4	44-118/16
108-95-2	Phenol	ND		96.2	41.7	43	55.0	57	28*	31-77/26
88-06-2	2,4,6-Trichlorophenol	ND		96.2	88.1	92	93.2	97	6	55-103/21
83-32-9	Acenaphthene	ND		96.2	81.2	84	87.1	91	7	55-103/20
208-96-8	Acenaphthylene	ND		96.2	82.2	85	89.0	93	8	55-113/20
120-12-7	Anthracene	ND		96.2	85.8	89	90.7	94	6	66-105/14
56-55-3	Benzo(a)anthracene	ND		96.2	88.3	92	93.4	97	6	65-103/16
50-32-8	Benzo(a)pyrene	ND		96.2	86.5	90	91.4	95	6	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		96.2	88.4	92	91.5	95	3	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		96.2	78.9	82	90.7	94	14	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		96.2	90.2	94	92.6	96	3	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	90.8	94	90.8	94	0	68-102/16
85-68-7	Butyl benzyl phthalate	ND		96.2	88.9	92	92.7	96	4	65-108/17
91-58-7	2-Chloronaphthalene	ND		96.2	80.2	83	85.5	89	6	58-101/22
106-47-8	4-Chloroaniline	ND		96.2	72.0	75	80.1	83	11	39-101/21
218-01-9	Chrysene	ND		96.2	87.9	91	93.4	97	6	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	77.6	81	81.4	85	5	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	82.8	86	88.5	92	7	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	79.7	83	87.5	91	9	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	83.1	86	91.3	95	9	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		96.2	77.3	80	81.8	85	6	50-101/22
122-66-7	1,2-Diphenylhydrazine	ND		96.2	87.1	91	89.7	93	3	61-101/17
541-73-1	1,3-Dichlorobenzene	ND		96.2	75.4	78	77.7	81	3	50-100/23
106-46-7	1,4-Dichlorobenzene	ND		96.2	75.4	78	77.4	80	3	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		96.2	80.0	83	87.7	91	9	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		96.2	81.1	84	88.2	92	8	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	73.5	76	78.7	82	7	18-112/22
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	78.2	81	94.0	98	18	57-111/20

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12072-MS	L024528.D	1	12/14/04	ME	12/14/04	OP12072	SL1294
OP12072-MSD	L024529.D	1	12/14/04	ME	12/14/04	OP12072	SL1294
F28690-2	L024527.D	1	12/14/04	ME	12/14/04	OP12072	SL1294

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

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14, F28690-15, F28690-16

CAS No.	Compound	F28690-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
84-74-2	Di-n-butyl phthalate	ND		96.2	86.2	90	89.4	93	4	63-107/17
117-84-0	Di-n-octyl phthalate	ND		96.2	98.0	102	98.8	103	1	58-126/23
84-66-2	Diethyl phthalate	ND		96.2	82.6	86	90.1	94	9	59-110/18
131-11-3	Dimethyl phthalate	ND		96.2	84.0	87	90.1	94	7	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	90.3	94	91.7	95	2	55-120/22
206-44-0	Fluoranthene	ND		96.2	87.8	91	91.8	95	4	62-108/17
86-73-7	Fluorene	ND		96.2	80.6	84	87.4	91	8	60-105/17
118-74-1	Hexachlorobenzene	ND		96.2	87.6	91	88.8	92	1	64-102/16
87-68-3	Hexachlorobutadiene	ND		96.2	79.9	83	79.0	82	1	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		96.2	47.7	50	47.9	50	0	20-92/34
67-72-1	Hexachloroethane	ND		96.2	73.3	76	76.4	79	4	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	78.3	81	89.3	93	13	61-111/19
78-59-1	Isophorone	ND		96.2	74.9	78	80.2	83	7	59-103/23
91-20-3	Naphthalene	ND		96.2	79.7	83	83.2	87	4	52-102/23
98-95-3	Nitrobenzene	ND		96.2	81.8	85	82.7	86	1	51-103/25
62-75-9	N-Nitrosodimethylamine	ND		96.2	58.5	61	67.4	70	14	20-91/29
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	70.5	73	80.8	84	14	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		96.2	86.7	90	92.1	96	6	62-112/16
85-01-8	Phenanthrene	ND		96.2	87.2	91	90.8	94	4	64-103/15
129-00-0	Pyrene	ND		96.2	91.5	95	94.2	98	3	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	80.9	84	82.7	86	2	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F28690-2	Limits
367-12-4	2-Fluorophenol	60%	70%	49%	19-90%
4165-62-2	Phenol-d5	44%	58%	30%	10-68%
118-79-6	2,4,6-Tribromophenol	90%	93%	98%	36-137%
4165-60-0	Nitrobenzene-d5	83%	85%	86%	49-119%
321-60-8	2-Fluorobiphenyl	88%	94%	97%	45-118%
1718-51-0	Terphenyl-d14	93%	95%	99%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1293-DFTPP
Lab File ID: L024507.D
Instrument ID: GCMSL
Injection Date: 12/14/04
Injection Time: 11:22

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	94010	42.3		Pass
68	Less than 2.0% of mass 69	411	0.19	(0.49) [a]	Pass
69	Mass 69 relative abundance	83627	37.7		Pass
70	Less than 2.0% of mass 69	541	0.24	(0.65) [a]	Pass
127	40.0 - 60.0% of mass 198	112952	50.9		Pass
197	Less than 1.0% of mass 198	471	0.21		Pass
198	Base peak, 100% relative abundance	222037	100.0		Pass
199	5.0 - 9.0% of mass 198	15370	6.9		Pass
275	10.0 - 30.0% of mass 198	44611	20.1		Pass
365	1.0 - 100.0% of mass 198	4274	1.9		Pass
441	Present, but less than mass 443	20600	9.3	(73.7) [b]	Pass
442	40.0 - 100.0% of mass 198	145387	65.5		Pass
443	17.0 - 23.0% of mass 442	27962	12.6	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1293-ICC1293	L024508.D	12/14/04	11:42	00:20	Initial cal 75
SL1293-IC1293	L024509.D	12/14/04	12:13	00:51	Initial cal 5
SL1293-IC1293	L024510.D	12/14/04	12:44	01:22	Initial cal 25
SL1293-IC1293	L024511.D	12/14/04	13:15	01:53	Initial cal 50
SL1293-IC1293	L024512.D	12/14/04	13:46	02:24	Initial cal 100
SL1293-IC1293	L024513.D	12/14/04	14:18	02:56	Initial cal 125
SL1293-ICV1293	L024514.D	12/14/04	14:49	03:27	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1294-DFTPP
Lab File ID: L024518.D
Instrument ID: GCMSL
Injection Date: 12/14/04
Injection Time: 16:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	67843	39.8		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	59576	34.9		Pass
70	Less than 2.0% of mass 69	343	0.2	(0.58) [a]	Pass
127	40.0 - 60.0% of mass 198	85069	49.9		Pass
197	Less than 1.0% of mass 198	249	0.15		Pass
198	Base peak, 100% relative abundance	170512	100.0		Pass
199	5.0 - 9.0% of mass 198	10961	6.4		Pass
275	10.0 - 30.0% of mass 198	35197	20.6		Pass
365	1.0 - 100.0% of mass 198	3384	2.0		Pass
441	Present, but less than mass 443	17227	10.1	(76.7) [b]	Pass
442	40.0 - 100.0% of mass 198	119613	70.1		Pass
443	17.0 - 23.0% of mass 442	22454	13.2	(18.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1294-CC1293	L024519.D	12/14/04	17:13	00:19	Continuing cal 75
OP12072-BS	L024520.D	12/14/04	17:44	00:50	Blank Spike
OP12072-MB	L024521.D	12/14/04	18:16	01:22	Method Blank
ZZZZZZ	L024522.D	12/14/04	18:47	01:53	(unrelated sample)
ZZZZZZ	L024523.D	12/14/04	19:17	02:23	(unrelated sample)
F28690-1	L024526.D	12/14/04	20:52	03:58	UST645-MW09
F28690-2	L024527.D	12/14/04	21:22	04:28	UST645-MW13
OP12072-MS	L024528.D	12/14/04	21:53	04:59	Matrix Spike
OP12072-MSD	L024529.D	12/14/04	22:25	05:31	Matrix Spike Duplicate
F28690-3	L024530.D	12/14/04	22:57	06:03	UST645-MW11
F28690-4	L024531.D	12/14/04	23:28	06:34	UST645-MW21
F28690-5	L024532.D	12/14/04	23:59	07:05	UST645-MW12
F28690-8	L024535.D	12/15/04	01:34	08:40	UST645-MW15
F28690-10	L024537.D	12/15/04	02:38	09:44	UST645-DUP
F28690-11	L024538.D	12/15/04	03:09	10:15	UST645-MW22
F28690-12	L024539.D	12/15/04	03:41	10:47	UST645-MW23
F28690-14	L024541.D	12/15/04	04:44	11:50	UST645-MW06
F28690-15	L024542.D	12/15/04	05:16	12:22	UST645-MW16
F28690-16	L024543.D	12/15/04	05:47	12:53	UST645-MW17

Instrument Performance Check (DFTPP)

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1295-DFTPP
Lab File ID: L024544.D
Instrument ID: GCMSL
Injection Date: 12/15/04
Injection Time: 08:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	55700	40.9		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	49168	36.1		Pass
70	Less than 2.0% of mass 69	249	0.18	(0.51) [a]	Pass
127	40.0 - 60.0% of mass 198	67840	49.8		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	136331	100.0		Pass
199	5.0 - 9.0% of mass 198	8936	6.6		Pass
275	10.0 - 30.0% of mass 198	28344	20.8		Pass
365	1.0 - 100.0% of mass 198	2757	2.0		Pass
441	Present, but less than mass 443	13861	10.2	(74.5) [b]	Pass
442	40.0 - 100.0% of mass 198	97723	71.7		Pass
443	17.0 - 23.0% of mass 442	18610	13.7	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1295-CC1293	L024545.D	12/15/04	09:15	00:21	Continuing cal 50
OP12072-MB	L024546.D	12/15/04	09:47	00:53	Method Blank
ZZZZZZ	L024547.D	12/15/04	10:22	01:28	(unrelated sample)
ZZZZZZ	L024549.D	12/15/04	11:30	02:36	(unrelated sample)
F28690-6	L024550.D	12/15/04	12:03	03:09	UST645-MW03
F28690-7	L024551.D	12/15/04	12:35	03:41	UST645-MW02
F28690-9	L024552.D	12/15/04	13:09	04:15	UST645-MW01
F28690-13	L024553.D	12/15/04	13:40	04:46	UST645-MW18
OP12081-BS	L024554.D	12/15/04	14:12	05:18	Blank Spike
OP12081-MB	L024555.D	12/15/04	14:46	05:52	Method Blank
ZZZZZZ	L024556.D	12/15/04	15:18	06:24	(unrelated sample)
OP12082-BS	L024557.D	12/15/04	15:52	06:58	Blank Spike
OP12082-MB	L024558.D	12/15/04	16:24	07:30	Method Blank
ZZZZZZ	L024560.D	12/15/04	17:27	08:33	(unrelated sample)
F28724-3	L024561.D	12/15/04	17:59	09:05	(used for QC only; not part of job F28690)
OP12082-MS	L024562.D	12/15/04	18:31	09:37	Matrix Spike
OP12082-MSD	L024563.D	12/15/04	19:03	10:09	Matrix Spike Duplicate
ZZZZZZ	L024564.D	12/15/04	19:35	10:41	(unrelated sample)
ZZZZZZ	L024565.D	12/15/04	20:06	11:12	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SL1295-DFTPP	**Injection Date:**	12/15/04
Lab File ID:	L024544.D	**Injection Time:**	08:54
Instrument ID:	GCMSL		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	L024566.D	12/15/04	20:38	11:44	(unrelated sample)
ZZZZZZ	L024567.D	12/15/04	21:09	12:15	(unrelated sample)
ZZZZZZ	L024568.D	12/15/04	21:41	12:47	(unrelated sample)
ZZZZZZ	L024569.D	12/15/04	22:12	13:18	(unrelated sample)
ZZZZZZ	L024570.D	12/15/04	22:44	13:50	(unrelated sample)
ZZZZZZ	L024571.D	12/15/04	23:15	14:21	(unrelated sample)
ZZZZZZ	L024572.D	12/15/04	23:47	14:53	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SL1294-CC1293 **Injection Date:** 12/14/04
Lab File ID: L024519.D **Injection Time:** 17:13
Instrument ID: GCMSL **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	246811	5.11	1010986	6.29	575984	8.62	1069269	11.15	809785	16.10	757806	18.60
Upper Limit [a]	493622	5.61	2021972	6.79	1151968	9.12	2138538	11.65	1619570	16.60	1515612	19.10
Lower Limit [b]	123406	4.61	505493	5.79	287992	8.12	534635	10.65	404893	15.60	378903	18.10

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP12072-BS	350038	5.11	1328573	6.29	751906	8.62	1324752	11.15	961877	16.10	823807	18.60
OP12072-MB	281223	5.11	1040655	6.29	585987	8.61	1031095	11.14	871738	16.08	754804	18.59
ZZZZZZ	355764	5.11	1191476	6.29	548763	8.61	814296	11.14	602876	16.08	523049	18.59
ZZZZZZ	391402	5.11	1487370	6.29	792834	8.62	1362025	11.14	1114456	16.09	903528	18.60
F28690-1	355838	5.11	1312922	6.29	728366	8.62	1239508	11.14	999586	16.08	827905	18.59
F28690-2	357585	5.11	1259613	6.29	612459	8.61	913945	11.14	551065	16.08	408974	18.58
OP12072-MS	367612	5.11	1403276	6.29	774331	8.62	1313672	11.15	973547	16.09	859978	18.60
OP12072-MSD	287085	5.11	1168415	6.29	651179	8.62	1167785	11.15	880513	16.09	809119	18.60
F28690-3	287147	5.11	1104485	6.29	603583	8.62	1047615	11.14	880982	16.08	753554	18.59
F28690-4	336945	5.11	1257057	6.29	682644	8.62	1181118	11.14	976281	16.08	821950	18.59
F28690-5	330471	5.11	1246229	6.29	683972	8.62	1183138	11.14	985987	16.09	830085	18.59
F28690-8	377550	5.11	1395936	6.29	759559	8.61	1309066	11.14	1040261	16.08	838592	18.59
F28690-10	394288	5.11	1480341	6.29	802250	8.62	1384497	11.15	1108839	16.08	885497	18.59
F28690-11	361814	5.11	1360488	6.29	752799	8.62	1281315	11.14	1058188	16.08	881331	18.59
F28690-12	359094	5.11	1358371	6.29	750002	8.62	1320624	11.15	1080086	16.08	882460	18.59
F28690-14	338731	5.11	1298449	6.29	705132	8.62	1213738	11.14	1017604	16.08	839593	18.59
F28690-15	338491	5.11	1286729	6.29	711635	8.62	1224458	11.14	995868	16.08	835081	18.59
F28690-16	389626	5.11	1458305	6.29	810109	8.62	1388378	11.14	1146556	16.08	943576	18.59

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SL1295-CC1293 **Injection Date:** 12/15/04
Lab File ID: L024545.D **Injection Time:** 09:15
Instrument ID: GCMSL **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	333415	5.11	1301317	6.29	698493	8.62	1250690	11.15	911219	16.10	822760	18.60
Upper Limit [a]	666830	5.61	2602634	6.79	1396986	9.12	2501380	11.65	1822438	16.60	1645520	19.10
Lower Limit [b]	166708	4.61	650659	5.79	349247	8.12	625345	10.65	455610	15.60	411380	18.10
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP12072-MB	335081	5.11	1255052	6.29	688027	8.62	1216565	11.14	1009471	16.08	836851	18.59
ZZZZZZ	408091	5.12	1442216	6.30	753221	8.62	1300783	11.15	1034616	16.09	774871	18.59
ZZZZZZ	352422	5.12	1307992	6.30	704030	8.62	1223920	11.15	1027947	16.09	855148	18.60
F28690-6	377080	5.11	1352540	6.29	780862	8.62	1324236	11.14	1095851	16.09	874821	18.59
F28690-7	268172	5.11	1010656	6.29	575782	8.61	1016306	11.14	863173	16.08	731871	18.59
F28690-9	336572	5.11	1121834	6.29	544698	8.62	845888	11.14	656750	16.08	535365	18.58
F28690-13	347960	5.11	1348353	6.29	729451	8.61	1265161	11.14	1021330	16.08	864310	18.59
OP12081-BS [c]	331500	5.11	1264337	6.29	685491	8.62	1198564	11.15	889154	16.09	797310	18.60
OP12081-MB	284928	5.11	1091954	6.29	598113	8.62	1057152	11.14	890885	16.08	759190	18.59
ZZZZZZ	418982	5.11	1532900	6.29	797127	8.61	1277566	11.14	667874	16.08	437656	18.59
OP12082-BS	298988	5.11	1168225	6.29	639576	8.62	1111168	11.15	827258	16.10	737340	18.60
OP12082-MB	345182	5.11	1297531	6.29	718868	8.62	1239673	11.15	1018851	16.08	808432	18.59
ZZZZZZ	278280	5.11	1083878	6.29	594699	8.62	1038282	11.14	884633	16.08	747868	18.59
F28724-3	327979	5.11	1261039	6.29	667996	8.62	1182535	11.14	956148	16.09	799252	18.59
OP12082-MS	361806	5.11	1387043	6.29	752755	8.62	1306971	11.15	956508	16.10	803864	18.60
OP12082-MSD	374525	5.11	1436091	6.30	781976	8.62	1379671	11.15	1025604	16.10	901317	18.60
ZZZZZZ	336884	5.11	1293915	6.29	706528	8.62	1234488	11.15	991682	16.08	782656	18.59
ZZZZZZ	303956	5.11	1182713	6.29	644985	8.62	1129517	11.14	934239	16.09	777868	18.59
ZZZZZZ	363488	5.11	1397591	6.29	752903	8.62	1316772	11.15	1089511	16.09	885354	18.59
ZZZZZZ	254647	5.11	1018924	6.29	557699	8.62	976206	11.14	815965	16.08	704158	18.59
ZZZZZZ	353194	5.11	1354656	6.29	730018	8.62	1280680	11.14	1018460	16.09	806729	18.59
ZZZZZZ	322595	5.11	1223763	6.29	666260	8.62	1141251	11.15	949168	16.08	810399	18.59
ZZZZZZ	351704	5.11	1340077	6.29	735898	8.62	1269343	11.14	1019153	16.09	823282	18.59
ZZZZZZ	354518	5.11	1331978	6.29	745421	8.62	1295720	11.14	1059159	16.08	859317	18.59
ZZZZZZ	332719	5.11	1261111	6.30	694036	8.62	1199823	11.15	954928	16.09	791783	18.60

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	SL1295-CC1293	**Injection Date:**	12/15/04
Lab File ID:	L024545.D	**Injection Time:**	09:15
Instrument ID:	GCMSL	**Method:**	EPA 625

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(c) Insufficient sample for MS/MSD.

Semivolatile Surrogate Recovery Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F28690-1	L024526.D	50.0	32.0	94.0	86.0	91.0	84.0
F28690-2	L024527.D	49.0	30.0	98.0	86.0	97.0	99.0
F28690-3	L024530.D	47.0	30.0	92.0	81.0	88.0	80.0
F28690-4	L024531.D	51.0	32.0	92.0	86.0	92.0	82.0
F28690-5	L024532.D	54.0	36.0	100.0	90.0	95.0	87.0
F28690-6	L024550.D	47.0	30.0	98.0	84.0	90.0	86.0
F28690-7	L024551.D	44.0	27.0	92.0	85.0	91.0	74.0
F28690-8	L024535.D	47.0	30.0	91.0	84.0	91.0	81.0
F28690-9	L024552.D	43.0	25.0	97.0	82.0	90.0	82.0
F28690-10	L024537.D	51.0	34.0	95.0	86.0	91.0	86.0
F28690-11	L024538.D	45.0	28.0	94.0	89.0	92.0	86.0
F28690-12	L024539.D	49.0	30.0	96.0	91.0	97.0	89.0
F28690-13	L024553.D	31.0	31.0	97.0	86.0	91.0	89.0
F28690-14	L024541.D	39.0	24.0	94.0	80.0	86.0	85.0
F28690-15	L024542.D	40.0	24.0	86.0	80.0	86.0	84.0
F28690-16	L024543.D	42.0	26.0	91.0	85.0	89.0	80.0
OP12072-BS	L024520.D	47.0	30.0	92.0	85.0	92.0	96.0
OP12072-MB	L024521.D	49.0	30.0	93.0	87.0	90.0	89.0
OP12072-MB	L024546.D	49.0	30.0	95.0	87.0	93.0	90.0
OP12072-MS	L024528.D	60.0	44.0	90.0	83.0	88.0	93.0
OP12072-MSD	L024529.D	70.0	58.0	93.0	85.0	94.0	95.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	19-90%
S2 = Phenol-d5	10-68%
S3 = 2,4,6-Tribromophenol	36-137%
S4 = Nitrobenzene-d5	49-119%
S5 = 2-Fluorobiphenyl	45-118%
S6 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1293-ICC1293
Lab FileID: L024508.D

Response Factor Report MSBNA02

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Dec 23 09:14:08 2004
Response via : Initial Calibration

Calibration Files
5 =L024509.D 25 =L024510.D 50 =L024511.D 75 =L024508.D
100 =L024512.D 125 =L024513.D icv =L024514.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.394	0.421	0.417	0.411	0.387	0.411		0.407	3.33
3) N-nitrosodimethyl	0.547	0.593	0.649	0.647	0.632	0.638		0.618	6.54
4) Pyridine	1.084	1.194	1.221	1.250	1.201	1.220		1.195	4.83
5) Benzaldehyde	0.992	1.024	1.040	0.995	0.717			0.954	14.00
6) Aniline	1.938	1.901	1.920	1.903	1.883	1.792		1.889	2.71
7)S 2-Fluorophenol	1.169	1.174	1.143	1.134	1.081	1.046		1.124	4.52
8) bis(2-Chloroethyl	1.069	1.098	1.092	1.089	1.098	1.056		1.084	1.58
9)S Phenol-d5	1.453	1.462	1.459	1.470	1.445	1.358		1.441	2.89
10)C Phenol	1.574	1.525	1.557	1.631	1.613	1.486		1.564	3.45
11) 2-Chlorophenol	1.385	1.390	1.393	1.402	1.391	1.350		1.385	1.31
12) 1,3-Dichlorobenze	1.550	1.508	1.509	1.486	1.440	1.396		1.482	3.73
13)C 1,4-Dichlorobenze	1.558	1.526	1.491	1.476	1.449	1.379		1.480	4.22
14) 1,2-Dichlorobenze	1.462	1.450	1.409	1.393	1.365	1.294		1.395	4.39
15) Benzyl alcohol	0.819	0.877	0.924	0.939	0.951	0.928		0.906	5.48
16) bis(2-chloroisopr	1.974	1.915	1.891	1.884	1.848	1.749		1.877	4.01
17) 2-Methylphenol	1.163	1.213	1.234	1.257	1.257	1.200		1.221	3.01
18) Acetophenone	1.643	1.722	1.785	1.680	1.675	1.558		1.677	4.55
19) Hexachloroethane	0.521	0.513	0.515	0.505	0.503	0.488		0.507	2.30
20)P N-Nitroso-di-n-pr	0.891	0.849	0.832	0.821	0.807	0.770		0.829	4.93
21) 3&4-Methylphenol	1.270	1.264	1.314	1.298	1.278	1.197		1.270	3.19
22) I Naphthalene-d8	ISTD								
23)S Nitrobenzene-d5	0.323	0.322	0.325	0.324	0.313	0.308		0.319	2.12
24) Nitrobenzene	0.323	0.322	0.313	0.313	0.303	0.291		0.311	3.91
25) Isophorone	0.644	0.624	0.623	0.630	0.602	0.593		0.619	2.99
26)C 2-Nitrophenol	0.203	0.208	0.215	0.213	0.210	0.205		0.209	2.27
27) 2,4-Dimethylpheno	0.332	0.335	0.332	0.330	0.316	0.304		0.325	3.77
28) bis(2-Chloroethox	0.374	0.369	0.357	0.352	0.340	0.330		0.354	4.82
29) Benzoic Acid	0.247	0.282	0.305	0.296	0.307	0.316		0.292	8.58
30)C 2,4-Dichloropheno	0.302	0.307	0.308	0.309	0.301	0.288		0.303	2.54
31) 1,2,4-Trichlorobe	0.322	0.322	0.313	0.303	0.298	0.287		0.308	4.56
32) Naphthalene	1.062	1.031	0.994	0.982	0.938	0.880		0.981	6.66
33) 4-Chloroaniline	0.492	0.485	0.473	0.469	0.442	0.405		0.461	7.06
34) 2,6-Dichloropheno	0.293	0.294	0.288	0.287	0.274	0.262		0.283	4.48
35)C Hexachlorobutadie	0.154	0.140	0.139	0.137	0.132	0.129		0.139	6.27
36) Caprolactam	0.136	0.151	0.168	0.162	0.162	0.155		0.156	7.33
37)C 4-Chloro-3-methyl	0.299	0.323	0.324	0.323	0.313	0.295		0.313	4.18
38) 2-Methylnaphthale	0.737	0.736	0.730	0.723	0.690	0.646		0.710	5.05
39) 1-Methylnaphthale	0.722	0.721	0.705	0.696	0.670	0.622		0.690	5.58
40) 1,2,4,5-Tetrachlo	0.315	0.311	0.297	0.292	0.279	0.264		0.293	6.58
41) I Acenaphthene-d10	ISTD								
42)P Hexachlorocyclope	0.285	0.308	0.299	0.303	0.292	0.301		0.298	2.72
43)C 2,4,6-Trichloroph	0.379	0.405	0.394	0.396	0.379	0.386		0.390	2.66
44) 2,4,5-Trichloroph	0.439	0.438	0.429	0.432	0.405	0.415		0.426	3.15

Initial Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1293-ICC1293
Lab FileID: L024508.D

45)S	2-Fluorobiphenyl	1.458	1.381	1.331	1.309	1.239	1.236	1.325	6.45
46)	1,1'-Biphenyl	1.577	1.673	1.736	1.622	1.617	1.620	1.641	3.40
47)	2-Chloronaphthale	1.288	1.209	1.164	1.155	1.103	1.075	1.166	6.55
48)	2-Nitroaniline	0.346	0.358	0.358	0.366	0.354	0.353	0.356	1.80
49)	Acenaphthylene	2.224	2.138	2.020	1.997	1.869	1.816	2.011	7.70
50)	Dimethylphthalate	1.613	1.531	1.478	1.485	1.398	1.367	1.479	6.03
51)	2,6-Dinitrotoluen	0.348	0.374	0.366	0.374	0.357	0.353	0.362	3.01
52)C	Acenaphthene	1.351	1.288	1.224	1.238	1.156	1.120	1.229	6.87
53)	3-Nitroaniline	0.428	0.448	0.439	0.451	0.441	0.433	0.440	2.03
54)P	2,4-Dinitrophenol		0.210	0.236	0.249	0.256	0.258	0.242	8.23
55)	Dibenzofuran	1.901	1.793	1.691	1.703	1.585	1.533	1.701	7.90
56)	2,4-Dinitrotoluen	0.466	0.478	0.462	0.475	0.447	0.437	0.461	3.46
57)P	4-Nitrophenol	0.193	0.206	0.211	0.225	0.211	0.209	0.209	4.83
58)	2,3,4,6-Tetrachlo	0.345	0.348	0.345	0.353	0.336	0.322	0.341	3.25
59)	Fluorene	1.498	1.494	1.438	1.461	1.377	1.303	1.428	5.29
60)	4-Chlorophenyl-ph	0.681	0.635	0.611	0.613	0.573	0.560	0.612	7.13
61)	Diethylphthalate	1.610	1.551	1.484	1.515	1.422	1.346	1.488	6.31
62)	4-Nitroaniline	0.442	0.448	0.451	0.467	0.457	0.445	0.452	2.01
63) I	Phenanthrene-d10	ISTD							
64)	4,6-Dinitro-2-met	0.118	0.157	0.167	0.167	0.165	0.168	0.157	12.41
65)C	n-Nitrosodiphenyl	0.645	0.615	0.597	0.579	0.549	0.537	0.587	6.93
66)	1,2-Diphenylhydra	0.690	0.672	0.656	0.626	0.592	0.595	0.639	6.40
67)S	2,4,6-Tribromophe	0.083	0.081	0.079	0.075	0.071	0.071	0.077	6.86
68)	4-Bromophenyl-phe	0.190	0.185	0.187	0.179	0.171	0.167	0.180	5.05
69)	Hexachlorobenzene	0.213	0.194	0.190	0.183	0.174	0.172	0.188	8.06
70)	Atrazine	0.213	0.230	0.243	0.218	0.220	0.218	0.224	4.84
71)C	Pentachlorophenol	0.102	0.120	0.126	0.126	0.123	0.124	0.120	7.54
72)	Phenanthrene	1.266	1.193	1.139	1.117	1.060	1.005	1.130	8.22
73)	Anthracene	1.275	1.197	1.183	1.150	1.091	1.035	1.155	7.29
74)	Carbazole	1.229	1.190	1.169	1.142	1.085	1.039	1.142	6.11
75)	Di-n-butylphthala	1.460	1.387	1.361	1.330	1.248	1.191	1.329	7.31
76)C	Fluoranthene	1.232	1.213	1.198	1.137	1.112	1.053	1.158	5.97
77) I	Chrysene-d12	ISTD							
78)	Benzidine	1.018	1.161	1.216	1.213	1.099	1.071	1.130	7.11
79)	Pyrene	1.545	1.584	1.571	1.542	1.493	1.563	1.550	2.07
80)S	Terphenyl-d14	0.843	0.885	0.895	0.866	0.844	0.874	0.868	2.43
81)	Butylbenzylphthal	0.750	0.786	0.802	0.809	0.787	0.806	0.790	2.80
82)	3,3'-Dichlorobenz	0.483	0.484	0.489	0.501	0.479	0.474	0.485	1.91
83)	Benzo[a]anthracen	1.320	1.348	1.363	1.387	1.361	1.381	1.360	1.78
84)	Chrysene	1.283	1.272	1.256	1.255	1.235	1.240	1.257	1.45
85)	bis(2-Ethylhexyl)	1.035	1.068	1.076	1.085	1.030	1.044	1.056	2.17
86) I	Perylene-d12	ISTD							
87)C	Di-n-octylphthala	1.910	1.947	1.913	1.876	1.761	1.746	1.859	4.55
88)	Benzo[b]fluoranth	1.403	1.445	1.378	1.407	1.390	1.388	1.402	1.68
89)	Benzo[k]fluoranth	1.471	1.405	1.368	1.318	1.245	1.227	1.339	7.06
90)C	Benzo[a]pyrene	1.351	1.371	1.349	1.348	1.290	1.295	1.334	2.49
91)	Indeno[1,2,3-cd]p	1.283	1.324	1.292	1.354	1.367	1.355	1.329	2.67
92)	Dibenz[a,h]anthra	1.310	1.308	1.256	1.348	1.253	1.244	1.286	3.23
93)	Benzo[g,h,i]peryl	1.503	1.465	1.422	1.458	1.413	1.367	1.438	3.30

(#) = Out of Range

8270C.M Thu Dec 23 09:16:42 2004

Initial Calibration Verification

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1293-ICV1293
Lab FileID: L024514.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\121404\L024514.D Vial: 8
Acq On : 14 Dec 2004 2:49 pm Operator: marke
Sample : icv1293-50 Inst : MSBNA02
Misc : op11976,sl1293,30.6,,,1,1,soil Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Dec 23 09:14:08 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	104	0.00	5.11
2		1,4-Dioxane	50.000	50.840	-1.7	0	0.00	2.67
3		N-nitrosodimethylamine	50.000	49.956	0.1	0	0.00	2.95
4		Pyridine	50.000	49.377	1.2	0	0.00	2.99
5		Benzaldehyde		----------NA----------				
6		Aniline	50.000	31.244	37.5#	0	0.00	4.85
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	52.612	-5.2	0	0.00	4.89
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	54.730	-9.5	0	0.00	4.82
11		2-Chlorophenol	50.000	53.630	-7.3	0	0.00	4.94
12		1,3-Dichlorobenzene	50.000	50.244	-0.5	0	0.00	5.07
13	C	1,4-Dichlorobenzene	50.000	49.500	1.0	0	0.00	5.12
14		1,2-Dichlorobenzene	50.000	50.595	-1.2	0	0.00	5.25
15		Benzyl alcohol	50.000	53.994	-8.0	0	0.00	5.23
16		bis(2-chloroisopropyl)eth	50.000	50.471	-0.9	0	0.00	5.33
17		2-Methylphenol	50.000	51.433	-2.9	0	0.00	5.31
18		Acetophenone	50.000	36.019	28.0#	0	0.00	5.45
19		Hexachloroethane	50.000	49.759	0.5	0	0.00	5.55
20	P	N-Nitroso-di-n-propylamin	50.000	44.704	10.6	0	0.00	5.44
21		3&4-Methylphenol	100.000	98.604	1.4	0	0.00	5.44
22	I	Naphthalene-d8	40.000	40.000	0.0	99	0.00	6.29
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	51.799	-3.6	0	0.00	5.60
25		Isophorone	50.000	47.382	5.2	0	0.00	5.82
26	C	2-Nitrophenol	50.000	51.791	-3.6	0	0.00	5.90
27		2,4-Dimethylphenol	50.000	54.359	-8.7	0	0.00	5.93
28		bis(2-Chloroethoxy)methan	50.000	47.537	4.9	0	0.00	6.03
29		Benzoic Acid	100.000	96.893	3.1	0	0.00	6.06
30	C	2,4-Dichlorophenol	50.000	54.752	-9.5	0	0.00	6.14
31		1,2,4-Trichlorobenzene	50.000	49.910	0.2	0	0.00	6.23
32		Naphthalene	50.000	50.208	-0.4	0	0.00	6.32
33		4-Chloroaniline	50.000	46.530	6.9	0	0.00	6.37
34		2,6-Dichlorophenol	50.000	53.740	-7.5	0	0.00	6.37
35	C	Hexachlorobutadiene	50.000	50.322	-0.6	0	0.00	6.44
36		Caprolactam	50.000	48.303	3.4	0	0.00	6.78
37	C	4-Chloro-3-methylphenol	50.000	53.340	-6.7	0	0.00	6.93
38		2-Methylnaphthalene	50.000	49.569	0.9	0	0.00	7.13
39		1-Methylnaphthalene	50.000	49.279	1.4	0	0.00	7.26
40		1,2,4,5-Tetrachlorobenzen	50.000	48.808	2.4	0	0.00	7.34

Initial Calibration Verification

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1293-ICV1293
Lab FileID: L024514.D

41	I	Acenaphthene-d10	40.000	40.000	0.0	97	0.00	8.62
42	P	Hexachlorocyclopentadiene	50.000	42.856	14.3	0	0.00	7.33
43	C	2,4,6-Trichlorophenol	50.000	53.766	-7.5	0	0.00	7.50
44		2,4,5-Trichlorophenol	50.000	53.320	-6.6	0	0.00	7.55
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	47.191	5.6	0	0.00	7.76
47		2-Chloronaphthalene	50.000	49.042	1.9	0	0.00	7.78
48		2-Nitroaniline	50.000	51.663	-3.3	0	0.00	7.94
49		Acenaphthylene	50.000	50.572	-1.1	0	0.00	8.40
50		Dimethylphthalate	50.000	52.144	-4.3	0	-0.01	8.23
51		2,6-Dinitrotoluene	50.000	49.722	0.6	0	0.00	8.32
52	C	Acenaphthene	50.000	49.686	0.6	0	0.00	8.67
53		3-Nitroaniline	50.000	51.119	-2.2	0	0.00	8.57
54	P	2,4-Dinitrophenol	100.000	109.006	-9.0	0	0.00	8.74
55		Dibenzofuran	50.000	48.587	2.8	0	0.00	8.95
56		2,4-Dinitrotoluene	50.000	49.962	0.1	0	0.00	8.95
57	P	4-Nitrophenol	100.000	104.225	-4.2	0	0.00	8.88
58		2,3,4,6-Tetrachlorophenol	50.000	50.626	-1.3	0	0.00	9.16
59		Fluorene	50.000	49.523	1.0	0	0.00	9.51
60		4-Chlorophenyl-phenylethe	50.000	50.721	-1.4	0	0.00	9.55
61		Diethylphthalate	50.000	51.647	-3.3	0	0.00	9.40
62		4-Nitroaniline	50.000	49.658	0.7	0	-0.01	9.58
63	I	Phenanthrene-d10	40.000	40.000	0.0	96	0.00	11.15
64		4,6-Dinitro-2-methylpheno	100.000	112.904	-12.9	0	0.00	9.64
65	C	n-Nitrosodiphenylamine	50.000	49.678	0.6	0	0.00	9.76
66		1,2-Diphenylhydrazine	50.000	49.503	1.0	0	0.00	9.82
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	49.861	0.3	0	0.00	10.40
69		Hexachlorobenzene	50.000	48.850	2.3	0	0.00	10.45
70		Atrazine	50.000	40.311	19.4	0	0.00	10.76
71	C	Pentachlorophenol	100.000	113.177	-13.2	0	0.00	10.82
72		Phenanthrene	50.000	50.620	-1.2	0	0.00	11.19
73		Anthracene	50.000	49.836	0.3	0	0.00	11.28
74		Carbazole	50.000	33.667	32.7#	0	0.00	11.61
75		Di-n-butylphthalate	50.000	49.281	1.4	0	0.00	12.39
76	C	Fluoranthene	50.000	50.532	-1.1	0	0.00	13.38
77	I	Chrysene-d12	40.000	40.000	0.0	98	0.00	16.10
78		Benzidine		----------NA----------				
79		Pyrene	50.000	49.668	0.7	0	0.00	13.79
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	50.300	-0.6	0	0.00	15.22
82		3,3'-Dichlorobenzidine	50.000	41.585	16.8	0	-0.01	16.11
83		Benzo[a]anthracene	50.000	49.455	1.1	0	0.00	16.08
84		Chrysene	50.000	50.510	-1.0	0	0.00	16.14
85		bis(2-Ethylhexyl)phthalat	50.000	50.590	-1.2	0	0.00	16.40
86	I	Perylene-d12	40.000	40.000	0.0	91	0.00	18.60
87	C	Di-n-octylphthalate	50.000	55.744	-11.5	0	0.00	17.59
88		Benzo[b]fluoranthene	50.000	50.959	-1.9	0	0.00	17.99
89		Benzo[k]fluoranthene	50.000	51.949	-3.9	0	-0.01	18.04
90	C	Benzo[a]pyrene	50.000	51.343	-2.7	0	-0.01	18.51
91		Indeno[1,2,3-cd]pyrene	50.000	49.389	1.2	0	-0.01	20.20
92		Dibenz[a,h]anthracene	50.000	47.593	4.8	0	-0.02	20.25
93		Benzo[g,h,i]perylene	50.000	50.499	-1.0	0	-0.01	20.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Initial Calibration Verification

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1293-ICV1293
Lab FileID: L024514.D

L024514.D 8270C.M Thu Dec 23 09:17:53 2004

Continuing Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1294-CC1293
Lab FileID: L024519.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\121404\L024519.D Vial: 13
Acq On : 14 Dec 2004 5:13 pm Operator: marke
Sample : cc1293-75 Inst : MSBNA02
Misc : op11976,sl1294,30.6,,,1,1,soil Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Dec 23 09:14:08 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	5.11
2		1,4-Dioxane	0.407	0.399	2.0	110	0.00	2.65
3		N-nitrosodimethylamine	0.618	0.613	0.8	108	0.00	2.94
4		Pyridine	1.195	1.240	-3.8	113	0.00	2.97
5		Benzaldehyde	0.954	0.694	27.3#	79	0.00	4.76
6		Aniline	1.889	1.917	-1.5	115	0.00	4.85
7	S	2-Fluorophenol	1.124	1.098	2.3	110	0.00	4.10
8		bis(2-Chloroethyl)ether	1.084	1.094	-0.9	114	0.00	4.90
9	S	Phenol-d5	1.441	1.459	-1.2	113	0.00	4.82
10	C	Phenol	1.564	1.635	-4.5	114	0.00	4.83
11		2-Chlorophenol	1.385	1.406	-1.5	114	0.00	4.94
12		1,3-Dichlorobenzene	1.482	1.474	0.5	113	0.00	5.06
13	C	1,4-Dichlorobenzene	1.480	1.475	0.3	114	0.00	5.13
14		1,2-Dichlorobenzene	1.395	1.399	-0.3	114	0.00	5.25
15		Benzyl alcohol	0.906	0.946	-4.4	115	0.00	5.22
16		bis(2-chloroisopropyl)eth	1.877	1.867	0.5	113	0.00	5.33
17		2-Methylphenol	1.221	1.248	-2.2	113	0.00	5.31
18		Acetophenone	1.677	1.703	-1.6	115	0.00	5.45
19		Hexachloroethane	0.507	0.498	1.8	112	0.00	5.54
20	P	N-Nitroso-di-n-propylamin	0.829	0.842	-1.6	117	0.00	5.45
21		3&4-Methylphenol	1.270	1.324	-4.3	116	0.00	5.45
22	I	Naphthalene-d8	1.000	1.000	0.0	118	0.00	6.29
23	S	Nitrobenzene-d5	0.319	0.317	0.6	116	0.00	5.59
24		Nitrobenzene	0.311	0.304	2.3	115	0.00	5.61
25		Isophorone	0.619	0.612	1.1	115	0.00	5.83
26	C	2-Nitrophenol	0.209	0.212	-1.4	118	0.00	5.90
27		2,4-Dimethylphenol	0.325	0.320	1.5	115	0.00	5.93
28		bis(2-Chloroethoxy)methan	0.354	0.342	3.4	115	0.00	6.03
29		Benzoic Acid	0.292	0.302	-3.4	120	0.00	6.06
30	C	2,4-Dichlorophenol	0.303	0.305	-0.7	117	0.00	6.14
31		1,2,4-Trichlorobenzene	0.308	0.308	0.0	120	0.00	6.23
32		Naphthalene	0.981	0.968	1.3	116	0.00	6.32
33		4-Chloroaniline	0.461	0.455	1.3	114	0.00	6.37
34		2,6-Dichlorophenol	0.283	0.283	0.0	116	0.00	6.38
35	C	Hexachlorobutadiene	0.139	0.137	1.4	118	0.00	6.44
36		Caprolactam	0.156	0.157	-0.6	115	0.00	6.79
37	C	4-Chloro-3-methylphenol	0.313	0.323	-3.2	118	0.00	6.93
38		2-Methylnaphthalene	0.710	0.720	-1.4	117	0.00	7.13
39		1-Methylnaphthalene	0.690	0.688	0.3	117	0.00	7.26
40		1,2,4,5-Tetrachlorobenzen	0.293	0.292	0.3	118	0.00	7.35

Continuing Calibration Summary

Job Number: F28690 **Sample:** SL1294-CC1293
Account: EEINCJX EEI **Lab FileID:** L024519.D
Project: Camp Lejeune-Bldg 645

41	I	Acenaphthene-d10	1.000	1.000	0.0	117	0.00	8.62
42	P	Hexachlorocyclopentadiene	0.298	0.300	-0.7	115	0.00	7.33
43	C	2,4,6-Trichlorophenol	0.390	0.400	-2.6	118	0.00	7.50
44		2,4,5-Trichlorophenol	0.426	0.438	-2.8	118	0.00	7.55
45	S	2-Fluorobiphenyl	1.325	1.323	0.2	118	0.00	7.63
46		1,1'-Biphenyl	1.641	1.642	-0.1	118	0.00	7.77
47		2-Chloronaphthalene	1.166	1.154	1.0	117	0.00	7.79
48		2-Nitroaniline	0.356	0.363	-2.0	116	0.00	7.94
49		Acenaphthylene	2.011	1.981	1.5	116	0.00	8.40
50		Dimethylphthalate	1.479	1.472	0.5	116	0.00	8.25
51		2,6-Dinitrotoluene	0.362	0.374	-3.3	117	0.00	8.33
52	C	Acenaphthene	1.229	1.205	2.0	114	0.00	8.68
53		3-Nitroaniline	0.440	0.448	-1.8	116	0.00	8.58
54	P	2,4-Dinitrophenol	0.242	0.252	-4.1	118	0.00	8.74
55		Dibenzofuran	1.701	1.656	2.6	113	0.00	8.96
56		2,4-Dinitrotoluene	0.461	0.466	-1.1	115	0.00	8.97
57	P	4-Nitrophenol	0.209	0.216	-3.3	112	0.00	8.88
58		2,3,4,6-Tetrachlorophenol	0.341	0.351	-2.9	116	0.00	9.16
59		Fluorene	1.428	1.428	0.0	114	0.00	9.52
60		4-Chlorophenyl-phenylethe	0.612	0.614	-0.3	117	0.00	9.55
61		Diethylphthalate	1.488	1.461	1.8	112	0.00	9.41
62		4-Nitroaniline	0.452	0.465	-2.9	116	0.00	9.60
63	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00	11.15
64		4,6-Dinitro-2-methylpheno	0.157	0.168	-7.0	117	0.00	9.64
65	C	n-Nitrosodiphenylamine	0.587	0.572	2.6	115	0.00	9.77
66		1,2-Diphenylhydrazine	0.639	0.623	2.5	116	0.00	9.83
67	S	2,4,6-Tribromophenol	0.077	0.075	2.6	117	0.00	9.93
68		4-Bromophenyl-phenylether	0.180	0.179	0.6	116	0.00	10.40
69		Hexachlorobenzene	0.188	0.182	3.2	116	0.00	10.46
70		Atrazine	0.224	0.222	0.9	118	0.00	10.76
71	C	Pentachlorophenol	0.120	0.128	-6.7	117	0.00	10.83
72		Phenanthrene	1.130	1.093	3.3	114	0.00	11.19
73		Anthracene	1.155	1.138	1.5	115	0.00	11.29
74		Carbazole	1.142	1.119	2.0	114	0.00	11.62
75		Di-n-butylphthalate	1.329	1.303	2.0	114	0.00	12.40
76	C	Fluoranthene	1.158	1.153	0.4	118	0.00	13.38
77	I	Chrysene-d12	1.000	1.000	0.0	113	0.00	16.10
78		Benzidine	1.130	1.107	2.0	103	0.00	13.72
79		Pyrene	1.550	1.558	-0.5	115	0.00	13.80
80	S	Terphenyl-d14	0.868	0.893	-2.9	117	0.00	14.20
81		Butylbenzylphthalate	0.790	0.804	-1.8	113	0.00	15.22
82		3,3'-Dichlorobenzidine	0.485	0.493	-1.6	111	0.00	16.12
83		Benzo[a]anthracene	1.360	1.386	-1.9	113	0.00	16.08
84		Chrysene	1.257	1.258	-0.1	114	0.00	16.15
85		bis(2-Ethylhexyl)phthalat	1.056	1.059	-0.3	111	0.00	16.40
86	I	Perylene-d12	1.000	1.000	0.0	109	0.00	18.60
87	C	Di-n-octylphthalate	1.859	1.878	-1.0	110	0.00	17.59
88		Benzo[b]fluoranthene	1.402	1.384	1.3	108	0.00	18.00
89		Benzo[k]fluoranthene	1.339	1.326	1.0	110	0.00	18.05
90	C	Benzo[a]pyrene	1.334	1.349	-1.1	109	0.00	18.52
91		Indeno[1,2,3-cd]pyrene	1.329	1.346	-1.3	109	0.00	20.21
92		Dibenz[a,h]anthracene	1.286	1.319	-2.6	107	0.00	20.27
93		Benzo[g,h,i]perylene	1.438	1.435	0.2	108	0.00	20.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1294-CC1293
Lab FileID: L024519.D

L024508.D 8270C.M Thu Dec 23 09:30:44 2004

Continuing Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1295-CC1293
Lab FileID: L024545.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\121504\L024545.D Vial: 2
Acq On : 15 Dec 2004 9:15 am Operator: marke
Sample : cc1293-50 Inst : MSBNA02
Misc : op12072,sl1295,1030,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Dec 23 09:14:08 2004
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00	5.11
2		1,4-Dioxane	0.407	0.406	0.2	118	0.00	2.66
3		N-nitrosodimethylamine	0.618	0.643	-4.0	121	0.00	2.95
4		Pyridine	1.195	1.249	-4.5	124	0.00	2.98
5		Benzaldehyde	0.954	0.868	9.0	102	0.00	4.76
6		Aniline	1.889	1.885	0.2	119	0.00	4.85
7	S	2-Fluorophenol	1.124	1.120	0.4	119	0.00	4.10
8		bis(2-Chloroethyl)ether	1.084	1.106	-2.0	123	0.00	4.90
9	S	Phenol-d5	1.441	1.453	-0.8	121	0.00	4.82
10	C	Phenol	1.564	1.539	1.6	120	0.00	4.83
11		2-Chlorophenol	1.385	1.396	-0.8	122	0.00	4.94
12		1,3-Dichlorobenzene	1.482	1.499	-1.1	121	0.00	5.06
13	C	1,4-Dichlorobenzene	1.480	1.483	-0.2	121	0.00	5.13
14		1,2-Dichlorobenzene	1.395	1.414	-1.4	122	0.00	5.25
15		Benzyl alcohol	0.906	0.925	-2.1	122	0.00	5.22
16		bis(2-chloroisopropyl)eth	1.877	1.914	-2.0	123	0.00	5.34
17		2-Methylphenol	1.221	1.224	-0.2	121	0.00	5.31
18		Acetophenone	1.677	1.764	-5.2	120	0.00	5.45
19		Hexachloroethane	0.507	0.509	-0.4	120	0.00	5.54
20	P	N-Nitroso-di-n-propylamin	0.829	0.807	2.7	118	0.00	5.45
21		3&4-Methylphenol	1.270	1.294	-1.9	120	0.00	5.44
22	I	Naphthalene-d8	1.000	1.000	0.0	121	0.00	6.29
23	S	Nitrobenzene-d5	0.319	0.318	0.3	118	0.00	5.59
24		Nitrobenzene	0.311	0.309	0.6	119	0.00	5.60
25		Isophorone	0.619	0.600	3.1	117	0.00	5.83
26	C	2-Nitrophenol	0.209	0.213	-1.9	120	0.00	5.90
27		2,4-Dimethylphenol	0.325	0.324	0.3	118	0.00	5.93
28		bis(2-Chloroethoxy)methan	0.354	0.349	1.4	118	0.00	6.03
29		Benzoic Acid	0.292	0.288	1.4	114	0.00	6.05
30	C	2,4-Dichlorophenol	0.303	0.309	-2.0	121	0.00	6.14
31		1,2,4-Trichlorobenzene	0.308	0.318	-3.2	123	0.00	6.23
32		Naphthalene	0.981	0.982	-0.1	120	0.00	6.32
33		4-Chloroaniline	0.461	0.457	0.9	117	0.00	6.37
34		2,6-Dichlorophenol	0.283	0.289	-2.1	122	0.00	6.38
35	C	Hexachlorobutadiene	0.139	0.141	-1.4	122	0.00	6.44
36		Caprolactam	0.156	0.149	4.5	107	0.00	6.78
37	C	4-Chloro-3-methylphenol	0.313	0.304	2.9	114	0.00	6.93
38		2-Methylnaphthalene	0.710	0.714	-0.6	118	0.00	7.13
39		1-Methylnaphthalene	0.690	0.689	0.1	118	0.00	7.26
40		1,2,4,5-Tetrachlorobenzen	0.293	0.292	0.3	119	0.00	7.34

Continuing Calibration Summary

Job Number: F28690 **Sample:** SL1295-CC1293
Account: EEINCJX EEI **Lab FileID:** L024545.D
Project: Camp Lejeune-Bldg 645

41	I	Acenaphthene-d10	1.000	1.000	0.0	112	0.00	8.62
42	P	Hexachlorocyclopentadiene	0.298	0.311	-4.4	116	0.00	7.33
43	C	2,4,6-Trichlorophenol	0.390	0.414	-6.2	118	0.00	7.50
44		2,4,5-Trichlorophenol	0.426	0.448	-5.2	117	0.00	7.55
45	S	2-Fluorobiphenyl	1.325	1.383	-4.4	116	0.00	7.63
46		1,1'-Biphenyl	1.641	1.786	-8.8	115	0.00	7.77
47		2-Chloronaphthalene	1.166	1.176	-0.9	113	0.00	7.79
48		2-Nitroaniline	0.356	0.355	0.3	111	0.00	7.94
49		Acenaphthylene	2.011	2.027	-0.8	112	0.00	8.40
50		Dimethylphthalate	1.479	1.463	1.1	111	0.00	8.25
51		2,6-Dinitrotoluene	0.362	0.361	0.3	110	0.00	8.32
52	C	Acenaphthene	1.229	1.242	-1.1	114	0.00	8.67
53		3-Nitroaniline	0.440	0.442	-0.5	113	0.00	8.58
54	P	2,4-Dinitrophenol	0.242	0.234	3.3	111	0.00	8.74
55		Dibenzofuran	1.701	1.699	0.1	113	0.00	8.95
56		2,4-Dinitrotoluene	0.461	0.447	3.0	108	0.00	8.96
57	P	4-Nitrophenol	0.209	0.206	1.4	110	0.00	8.88
58		2,3,4,6-Tetrachlorophenol	0.341	0.350	-2.6	114	0.00	9.16
59		Fluorene	1.428	1.472	-3.1	115	0.00	9.52
60		4-Chlorophenyl-phenylethe	0.612	0.623	-1.8	114	0.00	9.55
61		Diethylphthalate	1.488	1.450	2.6	109	0.00	9.41
62		4-Nitroaniline	0.452	0.445	1.5	111	0.00	9.59
63	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00	11.15
64		4,6-Dinitro-2-methylpheno	0.157	0.164	-4.5	111	0.00	9.64
65	C	n-Nitrosodiphenylamine	0.587	0.596	-1.5	113	0.00	9.76
66		1,2-Diphenylhydrazine	0.639	0.645	-0.9	111	0.00	9.82
67	S	2,4,6-Tribromophenol	0.077	0.077	0.0	111	0.00	9.93
68		4-Bromophenyl-phenylether	0.180	0.185	-2.8	111	0.00	10.40
69		Hexachlorobenzene	0.188	0.188	0.0	112	0.00	10.45
70		Atrazine	0.224	0.231	-3.1	107	0.00	10.76
71	C	Pentachlorophenol	0.120	0.126	-5.0	113	0.00	10.82
72		Phenanthrene	1.130	1.114	1.4	110	0.00	11.19
73		Anthracene	1.155	1.155	0.0	110	0.00	11.29
74		Carbazole	1.142	1.131	1.0	109	0.00	11.61
75		Di-n-butylphthalate	1.329	1.310	1.4	109	0.00	12.39
76	C	Fluoranthene	1.158	1.154	0.3	109	0.00	13.38
77	I	Chrysene-d12	1.000	1.000	0.0	107	0.00	16.10
78		Benzidine	1.130	1.052	6.9	93	0.00	13.72
79		Pyrene	1.550	1.608	-3.7	110	0.00	13.79
80	S	Terphenyl-d14	0.868	0.905	-4.3	108	0.00	14.19
81		Butylbenzylphthalate	0.790	0.786	0.5	105	0.00	15.22
82		3,3'-Dichlorobenzidine	0.485	0.486	-0.2	106	0.00	16.11
83		Benzo[a]anthracene	1.360	1.373	-1.0	108	0.00	16.08
84		Chrysene	1.257	1.289	-2.5	110	-0.01	16.14
85		bis(2-Ethylhexyl)phthalat	1.056	1.054	0.2	105	0.00	16.39
86	I	Perylene-d12	1.000	1.000	0.0	105	0.00	18.60
87	C	Di-n-octylphthalate	1.859	1.896	-2.0	104	-0.01	17.59
88		Benzo[b]fluoranthene	1.402	1.417	-1.1	108	0.00	17.99
89		Benzo[k]fluoranthene	1.339	1.364	-1.9	104	0.00	18.04
90	C	Benzo[a]pyrene	1.334	1.349	-1.1	105	-0.01	18.50
91		Indeno[1,2,3-cd]pyrene	1.329	1.262	5.0	102	-0.02	20.19
92		Dibenz[a,h]anthracene	1.286	1.224	4.8	102	-0.02	20.25
93		Benzo[g,h,i]perylene	1.438	1.390	3.3	102	-0.01	20.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1295-CC1293
Lab FileID: L024545.D

L024511.D 8270C.M Thu Dec 23 10:03:33 2004

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2323-MB	CD056416.D	1	12/13/04	AJ	n/a	n/a	GCD2323

The QC reported here applies to the following samples: **Method:** EPA 601/602

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	91%	70-123%
98-08-8	aaa-Trifluorotoluene	100%	73-122%

Method Blank Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2324-MB	CD056445.D	1	12/14/04	AJ	n/a	n/a	GCD2324

The QC reported here applies to the following samples: **Method:** EPA 601/602

F28690-13, F28690-15, F28690-16, F28690-17

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	90%	70-123%
98-08-8	aaa-Trifluorotoluene	99%	73-122%

Blank Spike Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2323-BS	CD056415.D	1	12/13/04	AJ	n/a	n/a	GCD2323

The QC reported here applies to the following samples: **Method:** EPA 601/602

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	18.1	91	86-121
108-90-7	Chlorobenzene	20	17.6	88	81-119
95-50-1	1,2-Dichlorobenzene	20	16.2	81	75-120
541-73-1	1,3-Dichlorobenzene	20	16.8	84	77-121
106-46-7	1,4-Dichlorobenzene	20	16.1	81	75-122
100-41-4	Ethylbenzene	20	18.6	93	81-126
1634-04-4	Methyl Tert Butyl Ether	20	15.3	77	76-117
108-88-3	Toluene	20	18.1	91	82-123
1330-20-7	Xylenes (total)	60	53.9	90	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	103%	70-123%
98-08-8	aaa-Trifluorotoluene	104%	73-122%

Blank Spike Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2324-BS	CD056444.D	1	12/14/04	AJ	n/a	n/a	GCD2324

The QC reported here applies to the following samples: **Method:** EPA 601/602

F28690-13, F28690-15, F28690-16, F28690-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	18.0	90	86-121
108-90-7	Chlorobenzene	20	17.7	89	81-119
95-50-1	1,2-Dichlorobenzene	20	16.8	84	75-120
541-73-1	1,3-Dichlorobenzene	20	17.1	86	77-121
106-46-7	1,4-Dichlorobenzene	20	16.5	83	75-122
100-41-4	Ethylbenzene	20	18.5	93	81-126
1634-04-4	Methyl Tert Butyl Ether	20	16.0	80	76-117
108-88-3	Toluene	20	18.2	91	82-123
1330-20-7	Xylenes (total)	60	54.7	91	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	103%	70-123%
98-08-8	aaa-Trifluorotoluene	104%	73-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F28690-2MS	CD056419.D	1	12/13/04	AJ	n/a	n/a	GCD2323
F28690-2MSD	CD056420.D	1	12/13/04	AJ	n/a	n/a	GCD2323
F28690-2	CD056418.D	1	12/13/04	AJ	n/a	n/a	GCD2323

The QC reported here applies to the following samples: **Method:** EPA 601/602

F28690-1, F28690-2, F28690-3, F28690-4, F28690-5, F28690-6, F28690-7, F28690-8, F28690-9, F28690-10, F28690-11, F28690-12, F28690-13, F28690-14

CAS No.	Compound	F28690-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	18.1	91	17.5	88	3	77-125/6
108-90-7	Chlorobenzene	ND		20	17.8	89	17.2	86	3	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	17.1	86	17.3	87	1	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	17.4	87	17.3	87	1	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	17.0	85	16.8	84	1	67-129/7
100-41-4	Ethylbenzene	ND		20	18.5	93	18.1	91	2	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	17.2	86	16.6	83	4	66-127/9
108-88-3	Toluene	ND		20	18.4	92	17.9	90	3	77-124/5
1330-20-7	Xylenes (total)	ND		60	53.9	90	53.2	89	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F28690-2	Limits
352-33-0	1-Chloro-4-fluorobenzene	104%	104%	90%	70-123%
98-08-8	aaa-Trifluorotoluene	104%	103%	99%	73-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F28690-15MS	CD056448.D	1	12/14/04	AJ	n/a	n/a	GCD2324
F28690-15MSD	CD056449.D	1	12/14/04	AJ	n/a	n/a	GCD2324
F28690-15 [a]	CD056447.D	1	12/14/04	AJ	n/a	n/a	GCD2324

The QC reported here applies to the following samples: **Method:** EPA 601/602

F28690-13, F28690-15, F28690-16, F28690-17

CAS No.	Compound	F28690-15 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.54	J	20	19.0	92	18.4	89	3	77-125/6
108-90-7	Chlorobenzene	ND		20	18.0	90	17.7	89	2	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	17.2	86	17.2	86	0	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		20	17.4	87	17.4	87	0	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	16.8	84	17.2	86	2	67-129/7
100-41-4	Ethylbenzene	ND		20	19.1	96	18.5	93	3	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	16.9	85	17.1	86	1	66-127/9
108-88-3	Toluene	0.55	J	20	18.9	92	18.6	90	2	77-124/5
1330-20-7	Xylenes (total)	ND		60	55.6	93	54.6	91	2	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F28690-15	Limits
352-33-0	1-Chloro-4-fluorobenzene	104%	106%	90%	70-123%
98-08-8	aaa-Trifluorotoluene	104%	104%	99%	73-122%

(a) All hits confirmed by dual column analysis.

Volatile Surrogate Recovery Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F28690-1	CD056417.D	90.0	99.0
F28690-2	CD056418.D	90.0	99.0
F28690-3	CD056422.D	92.0	100.0
F28690-4	CD056423.D	90.0	99.0
F28690-5	CD056424.D	111.0	102.0
F28690-6	CD056425.D	105.0	103.0
F28690-7	CD056426.D	118.0	144.0* [b]
F28690-8	CD056427.D	93.0	97.0
F28690-9	CD056428.D	112.0	109.0
F28690-10	CD056429.D	110.0	100.0
F28690-11	CD056430.D	103.0	107.0
F28690-12	CD056431.D	91.0	99.0
F28690-13	CD056446.D	98.0	103.0
F28690-13	CD056433.D	104.0	105.0
F28690-14	CD056434.D	91.0	99.0
F28690-15	CD056447.D	90.0	99.0
F28690-16	CD056450.D	92.0	99.0
F28690-17	CD056451.D	91.0	100.0
F28690-15MS	CD056448.D	104.0	104.0
F28690-15MSD	CD056449.D	106.0	104.0
F28690-2MS	CD056419.D	104.0	104.0
F28690-2MSD	CD056420.D	104.0	103.0
GCD2323-BS	CD056415.D	103.0	104.0
GCD2323-MB	CD056416.D	91.0	100.0
GCD2324-BS	CD056444.D	103.0	104.0
GCD2324-MB	CD056445.D	90.0	99.0

Surrogate Compounds	Recovery Limits
S1 = 1-Chloro-4-fluorobenzene	70-123%
S2 = aaa-Trifluorotoluene	73-122%

(a) Recovery from GC signal #2
(b) Outside control limits due to matrix interference.

GC Surrogate Retention Time Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2323-CC2314	**Injection Date:**	12/13/04
Lab File ID:	CD056414.D	**Injection Time:**	11:05
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.84	5.42

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GCD2323-BS	CD056415.D	12/13/04	13:01	8.84	5.43
GCD2323-MB	CD056416.D	12/13/04	13:25	8.84	5.43
F28690-1	CD056417.D	12/13/04	13:49	8.84	5.44
F28690-2	CD056418.D	12/13/04	14:13	8.84	5.43
F28690-2MS	CD056419.D	12/13/04	14:37	8.84	5.43
F28690-2MSD	CD056420.D	12/13/04	15:01	8.84	5.43

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2323-CC2314	**Injection Date:**	12/13/04
Lab File ID:	CD056421.D	**Injection Time:**	15:26
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.85	5.44

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F28690-3	CD056422.D	12/13/04	15:50	8.85	5.44
F28690-4	CD056423.D	12/13/04	16:14	8.85	5.44
F28690-5	CD056424.D	12/13/04	16:38	8.85	5.44
F28690-6	CD056425.D	12/13/04	17:02	8.84	5.43
F28690-7	CD056426.D	12/13/04	17:26	8.85	5.44
F28690-8	CD056427.D	12/13/04	17:51	8.84	5.43
F28690-9	CD056428.D	12/13/04	18:15	8.84	5.44
F28690-10	CD056429.D	12/13/04	18:39	8.85	5.44
F28690-11	CD056430.D	12/13/04	19:03	8.85	5.44
F28690-12	CD056431.D	12/13/04	19:27	8.85	5.44

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2323-CC2314	**Injection Date:**	12/13/04
Lab File ID:	CD056432.D	**Injection Time:**	19:51
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	9.27	8.85	6.18	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
F28690-13	CD056433.D	12/13/04	20:18		8.85		5.44
F28690-14	CD056434.D	12/13/04	20:42		8.85		5.44
ZZZZZZ	CD056435.D	12/13/04	21:06		8.85		5.44
ZZZZZZ	CD056436.D	12/13/04	21:31		8.85		5.45
ZZZZZZ	CD056437.D	12/13/04	21:55		8.85		5.44
ZZZZZZ	CD056438.D	12/13/04	22:19		8.85		5.45
ZZZZZZ	CD056439.D	12/13/04	22:43		8.86		5.45
ZZZZZZ	CD056440.D	12/13/04	23:06		8.85		5.44
GCD2323-ECC2314	CD056442.D	12/13/04	23:55	9.28	8.86	6.18	5.44

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2324-CC2314	**Injection Date:**	12/14/04
Lab File ID:	CD056443.D	**Injection Time:**	10:22
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	8.87	5.45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GCD2324-BS	CD056444.D	12/14/04	11:12	8.85	5.45
GCD2324-MB	CD056445.D	12/14/04	11:36	8.86	5.44
F28690-13	CD056446.D	12/14/04	12:03	8.86	5.44
F28690-15	CD056447.D	12/14/04	12:37	8.86	5.45
F28690-15MS	CD056448.D	12/14/04	13:01	8.86	5.45
F28690-15MSD	CD056449.D	12/14/04	13:25	8.87	5.45
F28690-16	CD056450.D	12/14/04	13:49	8.87	5.45
F28690-17	CD056451.D	12/14/04	14:13	8.86	5.45
ZZZZZZ	CD056452.D	12/14/04	14:37	8.86	5.45
ZZZZZZ	CD056453.D	12/14/04	15:01	8.87	5.45

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2314-ICC2314
Lab FileID: CD056190.D

Response Factor Report VOA2

Method : C:\HPCHEM\1\METHODS\GCCD1201.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Dec 02 10:58:01 2004
Response via : Initial Calibration

Calibration Files
1 =CD056187.D 2 =CD056188.D 3 =CD056189.D 4 =CD056190.D
5 =CD056191.D 6 =CD056192.D

		Compound	1	2	3	4	5	6	Avg		%RSD
1)		Methyl tert Butyl E	0.959	1.162	1.091	1.146	1.136	1.136	1.105	E3	6.82
2)		Di-Isopropyl ether	1.571	1.731	1.669	1.729	1.760	1.751	1.702	E3	4.20
3)		BENZENE	3.667	3.927	3.921	4.051	4.193	4.154	3.986	E3	4.82
4)	S	a,a,a-TFT(S)		1.226	1.300	1.367	1.382	1.377	1.331	E3	5.04
5)		TOLUENE		3.741	3.859	3.914	4.048	4.040	3.920	E3	3.29
6)	S	1-Chloro-4-Fluorobe		1.831	2.060	2.181	2.249	2.265	2.117	E3	8.47
7)		CHLOROBENZENE		3.895	3.859	3.949	4.113	4.090	3.981	E3	2.88
8)		ETHYLBENZENE		3.386	3.432	3.434	3.520	3.464	3.447	E3	1.43
9)		m,p-XYLENE		3.549	3.732	3.800	3.903	3.844	3.766	E3	3.62
10)		o-XYLENE		3.402	3.571	3.549	3.629	3.546	3.539	E3	2.37
11)		1,3-DICHLOROBENZENE		2.459	2.793	2.968	3.107	3.150	2.895	E3	9.70
12)		1,4-DICHLOROBENZENE		2.374	2.755	2.994	3.194	3.311	2.926	E3	12.77
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997									
		Response Ratio = 0.00000 + 2776.21290 *A + 5.45748 *A^2									
13)		1,2-DICHLOROBENZENE		2.085	2.279	2.408	2.469	2.473	2.343	E3	7.02

Signal #2

1)		Methyl tert Butyl E		1.447	1.325	1.311	1.271	1.282	1.327	E3	5.31
2)		Di-Isopropyl ether	1.850	2.106	1.956	1.870	1.871	1.865	1.920	E3	5.14
3)		BENZENE	4.704	4.949	4.603	4.530	4.607	4.605	4.666	E3	3.20
4)	S	a,a,a-TFT(S)	1.419	1.450	1.473	1.486	1.497	1.511	1.473	E3	2.27
5)		TOLUENE	4.626	4.846	4.557	4.480	4.648	4.602	4.626	E3	2.66
6)	S	1-Chloro-4-Fluorobe		2.244	2.377	2.463	2.527	2.579	2.438	E3	5.41
7)		CHLOROBENZENE		4.855	4.591	4.576	4.754	4.764	4.708	E3	2.56
8)		ETHYLBENZENE	4.215	4.247	4.044	3.993	4.117	4.071	4.115	E3	2.42
9)		m,p-XYLENE	4.466	4.500	4.325	4.368	4.515	4.465	4.440	E3	1.71
10)		o-XYLENE	4.233	4.354	4.168	4.045	4.179	4.104	4.181	E3	2.56
11)		1,3-DICHLOROBENZENE		3.284	3.462	3.625	3.753	3.817	3.588	E3	6.07
12)		1,4-DICHLOROBENZENE		3.250	3.433	3.659	3.849	4.007	3.639	E3	8.39
13)		1,2-DICHLOROBENZENE		2.759	2.823	2.908	2.948	2.999	2.887	E3	3.34

(#) = Out of Range

GCCD1201.M Thu Dec 02 11:22:47 2004

Continuing Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2323-CC2314
Lab FileID: CD056414.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121304\CD056414.D\FID1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\121304\CD056414.D\FID2B.CH
Acq On : 13 Dec 2004 11:05 am Operator: Albertj
Sample : CC2314-40 Inst : VOA2
Misc : gc4326,gcd2323,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCCD1201.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Dec 02 10:58:01 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	40.000	41.550	-3.9	100	-0.01	3.09- 3.49
2	Di-Isopropyl ether	40.000	42.079	-5.2	104	-0.01	3.63- 3.93
3	BENZENE	40.000	41.505	-3.8	102	-0.01	4.98- 5.28
4 S	a,a,a-TFT(S)	20.000	22.298	-11.5	108	-0.01	6.03- 6.33
5	TOLUENE	40.000	41.535	-3.8	104	-0.01	7.46- 7.76
6 S	1-Chloro-4-Fluorobenze	20.000	22.655	-13.3	110	0.00	9.12- 9.42
7	CHLOROBENZENE	40.000	40.989	-2.5	103	0.00	9.29- 9.59
8	ETHYLBENZENE	40.000	40.799	-2.0	102	0.00	9.63- 9.93
9	m,p-XYLENE	80.000	82.171	-2.7	102	0.00	9.93-10.23
10	o-XYLENE	40.000	41.108	-2.8	103	0.00	10.48-10.78
11	1,3-DICHLOROBENZENE	40.000	41.905	-4.8	102	-0.01	12.96-13.16
	----------	Amount	Calc.	%Drift	----------		
12	1,4-DICHLOROBENZENE	40.000	40.169	-0.4	100	0.00	13.08-13.28
	----------	Amount	Calc.	%Drift	----------		
13	1,2-DICHLOROBENZENE	40.000	41.276	-3.2	100	0.00	13.54-13.84
*****	Signal #2 *****						
1	Methyl tert Butyl Ethe	40.000	37.076	7.3	94	-0.02	2.73- 3.13
2	Di-Isopropyl ether	40.000	38.792	3.0	100	-0.02	3.31- 3.61
3	BENZENE	40.000	38.392	4.0	99	-0.03	4.56- 4.86
4 S	a,a,a-TFT(S)	20.000	21.166	-5.8	105	-0.03	5.30- 5.60
5	TOLUENE	40.000	39.220	2.0	101	-0.03	7.14- 7.44
6 S	1-Chloro-4-Fluorobenze	20.000	21.597	-8.0	107	-0.02	8.71- 9.01
7	CHLOROBENZENE	40.000	39.313	1.7	101	-0.02	9.00- 9.30
8	ETHYLBENZENE	40.000	39.389	1.5	101	-0.02	9.44- 9.74
9	m,p-XYLENE	80.000	79.890	0.1	102	-0.02	9.75-10.05
10	o-XYLENE	40.000	39.323	1.7	102	-0.02	10.29-10.59
11	1,3-DICHLOROBENZENE	40.000	40.084	-0.2	99	-0.03	12.92-13.12
12	1,4-DICHLOROBENZENE	40.000	40.451	-1.1	101	-0.03	13.00-13.20
13	1,2-DICHLOROBENZENE	40.000	39.968	0.1	99	-0.03	13.46-13.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD056190.D GCCD1201.M Tue Dec 14 09:00:58 2004

Continuing Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2323-CC2314
Lab FileID: CD056421.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121304\CD056421.D\FID1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\121304\CD056421.D\FID2B.CH
Acq On : 13 Dec 2004 3:26 pm Operator: Albertj
Sample : cc2314-20 Inst : VOA2
Misc : gc4326,gcd2323,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCCD1201.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Dec 02 10:58:01 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	20.000	20.530	-2.7	104	0.00	3.09- 3.49
2	Di-Isopropyl ether	20.000	20.467	-2.3	104	0.00	3.63- 3.93
3	BENZENE	20.000	20.055	-0.3	102	0.00	4.98- 5.28
4 S	a,a,a-TFT(S)	20.000	21.931	-9.7	112	0.00	6.03- 6.33
5	TOLUENE	20.000	19.844	0.8	101	0.00	7.46- 7.76
6 S	1-Chloro-4-Fluorobenze	20.000	22.028	-10.1	113	0.00	9.12- 9.42
7	CHLOROBENZENE	20.000	19.265	3.7	99	0.00	9.29- 9.59
8	ETHYLBENZENE	20.000	19.690	1.5	99	0.00	9.63- 9.93
9	m,p-XYLENE	40.000	38.995	2.5	98	0.00	9.93-10.23
10	o-XYLENE	20.000	19.631	1.8	97	0.00	10.48-10.78
11	1,3-DICHLOROBENZENE	20.000	19.224	3.9	100	-0.01	12.96-13.16
	----------	Amount	Calc.	%Drift	----------		
12	1,4-DICHLOROBENZENE	20.000	18.997	5.0	99	-0.01	13.08-13.28
	----------	Amount	Calc.	%Drift	----------		
13	1,2-DICHLOROBENZENE	20.000	19.298	3.5	99	-0.01	13.54-13.84

***** Signal #2 *****

1	Methyl tert Butyl Ethe	20.000	18.333	8.3	92	0.00	2.73- 3.13
2	Di-Isopropyl ether	20.000	19.021	4.9	93	-0.01	3.31- 3.61
3	BENZENE	20.000	18.427	7.9	93	-0.01	4.56- 4.86
4 S	a,a,a-TFT(S)	20.000	20.530	-2.7	103	-0.01	5.30- 5.60
5	TOLUENE	20.000	18.645	6.8	95	-0.02	7.14- 7.44
6 S	1-Chloro-4-Fluorobenze	20.000	20.567	-2.8	105	-0.02	8.71- 9.01
7	CHLOROBENZENE	20.000	18.375	8.1	94	-0.02	9.00- 9.30
8	ETHYLBENZENE	20.000	18.601	7.0	95	-0.02	9.44- 9.74
9	m,p-XYLENE	40.000	36.999	7.5	95	-0.02	9.75-10.05
10	o-XYLENE	20.000	18.928	5.4	95	-0.02	10.29-10.59
11	1,3-DICHLOROBENZENE	20.000	18.307	8.5	95	-0.02	12.92-13.12
12	1,4-DICHLOROBENZENE	20.000	18.004	10.0	95	-0.03	13.00-13.20
13	1,2-DICHLOROBENZENE	20.000	18.570	7.1	95	-0.02	13.46-13.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD056189.D GCCD1201.M Tue Dec 14 14:24:43 2004

Continuing Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2323-CC2314
Lab FileID: CD056432.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121304\CD056432.D\FID1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA\121304\CD056432.D\FID2B.CH
Acq On : 13 Dec 2004 7:51 pm Operator: Albertj
Sample : cc2314-20 Inst : VOA2
Misc : gc4326,gcd2323,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCCD1201.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Dec 02 10:58:01 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.648	6.8	94	0.00	3.09- 3.49
2		Di-Isopropyl ether	20.000	18.708	6.5	95	0.00	3.63- 3.93
3		BENZENE	20.000	18.675	6.6	95	0.00	4.98- 5.28
4	S	a,a,a-TFT(S)	20.000	19.384	3.1	99	0.00	6.03- 6.33
5		TOLUENE	20.000	18.801	6.0	95	0.00	7.46- 7.76
6	S	1-Chloro-4-Fluorobenze	20.000	19.808	1.0	102	0.00	9.12- 9.42
7		CHLOROBENZENE	20.000	18.597	7.0	96	0.00	9.29- 9.59
8		ETHYLBENZENE	20.000	19.349	3.3	97	0.00	9.63- 9.93
9		m,p-XYLENE	40.000	39.616	1.0	100	0.00	9.93-10.23
10		o-XYLENE	20.000	20.066	-0.3	99	0.00	10.48-10.78
11		1,3-DICHLOROBENZENE	20.000	19.550	2.2	101	0.00	12.96-13.16
		----------	Amount	Calc.	%Drift	----------		
12		1,4-DICHLOROBENZENE	20.000	19.432	2.8	102	0.00	13.08-13.28
		----------	Amount	Calc.	%Drift	----------		
13		1,2-DICHLOROBENZENE	20.000	20.126	-0.6	103	0.00	13.54-13.84
*****		Signal #2 *****						
1		Methyl tert Butyl Ethe	20.000	19.431	2.8	97	0.00	2.73- 3.13
2		Di-Isopropyl ether	20.000	20.000	0.0	98	0.00	3.31- 3.61
3		BENZENE	20.000	19.456	2.7	99	0.00	4.56- 4.86
4	S	a,a,a-TFT(S)	20.000	20.497	-2.5	102	0.00	5.30- 5.60
5		TOLUENE	20.000	19.711	1.4	100	0.00	7.14- 7.44
6	S	1-Chloro-4-Fluorobenze	20.000	20.811	-4.1	107	-0.01	8.71- 9.01
7		CHLOROBENZENE	20.000	19.306	3.5	99	-0.01	9.00- 9.30
8		ETHYLBENZENE	20.000	19.823	0.9	101	-0.01	9.44- 9.74
9		m,p-XYLENE	40.000	38.970	2.6	100	-0.01	9.75-10.05
10		o-XYLENE	20.000	19.906	0.5	100	-0.01	10.29-10.59
11		1,3-DICHLOROBENZENE	20.000	19.579	2.1	101	-0.02	12.92-13.12
12		1,4-DICHLOROBENZENE	20.000	19.120	4.4	101	-0.02	13.00-13.20
13		1,2-DICHLOROBENZENE	20.000	19.633	1.8	100	-0.01	13.46-13.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD056189.D GCCD1201.M Fri Dec 17 09:01:01 2004

Continuing Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2323-ECC2314
Lab FileID: CD056442.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121304\CD056442.D\FID1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA\121304\CD056442.D\FID2B.CH
Acq On : 13 Dec 2004 11:55 pm Operator: Albertj
Sample : ecc2314-40 Inst : VOA2
Misc : gc4326,gcd2323,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCCD1201.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Dec 02 10:58:01 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	42.961	-7.4	104	0.00	3.09- 3.49
2		Di-Isopropyl ether	40.000	41.669	-4.2	103	0.00	3.63- 3.93
3		BENZENE	40.000	41.029	-2.6	101	0.00	4.98- 5.28
4	S	a,a,a-TFT(S)	20.000	21.830	-9.1	106	0.00	6.03- 6.33
5		TOLUENE	40.000	40.412	-1.0	101	0.00	7.46- 7.76
6	S	1-Chloro-4-Fluorobenze	20.000	22.715	-13.6	110	0.01	9.12- 9.42
7		CHLOROBENZENE	40.000	40.362	-0.9	102	0.01	9.29- 9.59
8		ETHYLBENZENE	40.000	39.891	0.3	100	0.01	9.63- 9.93
9		m,p-XYLENE	80.000	80.828	-1.0	100	0.01	9.93-10.23
10		o-XYLENE	40.000	40.140	-0.4	100	0.00	10.48-10.78
11		1,3-DICHLOROBENZENE	40.000	41.315	-3.3	101	0.00	12.96-13.16
		----------	Amount	Calc.	%Drift	----------		
12		1,4-DICHLOROBENZENE	40.000	40.158	-0.4	100	0.00	13.08-13.28
		----------	Amount	Calc.	%Drift	----------		
13		1,2-DICHLOROBENZENE	40.000	41.060	-2.7	100	0.00	13.54-13.84
*****		Signal #2 *****						
1		Methyl tert Butyl Ethe	40.000	38.917	2.7	98	0.00	2.73- 3.13
2		Di-Isopropyl ether	40.000	38.573	3.6	99	0.00	3.31- 3.61
3		BENZENE	40.000	37.992	5.0	98	0.00	4.56- 4.86
4	S	a,a,a-TFT(S)	20.000	20.732	-3.7	103	0.00	5.30- 5.60
5		TOLUENE	40.000	38.420	3.9	99	0.00	7.14- 7.44
6	S	1-Chloro-4-Fluorobenze	20.000	21.407	-7.0	106	0.00	8.71- 9.01
7		CHLOROBENZENE	40.000	38.546	3.6	99	0.00	9.00- 9.30
8		ETHYLBENZENE	40.000	38.447	3.9	99	0.00	9.44- 9.74
9		m,p-XYLENE	80.000	77.310	3.4	98	0.00	9.75-10.05
10		o-XYLENE	40.000	38.704	3.2	100	0.00	10.29-10.59
11		1,3-DICHLOROBENZENE	40.000	38.999	2.5	96	-0.01	12.92-13.12
12		1,4-DICHLOROBENZENE	40.000	39.803	0.5	99	-0.01	13.00-13.20
13		1,2-DICHLOROBENZENE	40.000	39.165	2.1	97	0.00	13.46-13.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD056190.D GCCD1201.M Tue Dec 14 09:00:58 2004

Continuing Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2324-CC2314
Lab FileID: CD056443.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121404\CD056443.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\121404\CD056443.D\FID2B.CH
Acq On : 14 Dec 2004 10:22 am Operator: Albertj
Sample : cc2314-40 Inst : VOA2
Misc : gc4326,gcd2324,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCCD1201.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Dec 02 10:58:01 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	40.000	40.425	-1.1	97	0.01	3.09- 3.49
2	Di-Isopropyl ether	40.000	40.445	-1.1	100	0.01	3.63- 3.93
3	BENZENE	40.000	39.266	1.8	97	0.01	4.98- 5.28
4 S	a,a,a-TFT(S)	20.000	22.310	-11.5	109	0.02	6.03- 6.33
5	TOLUENE	40.000	39.305	1.7	98	0.02	7.46- 7.76
6 S	1-Chloro-4-Fluorobenze	20.000	23.066	-15.3#	112	0.03	9.12- 9.42
7	CHLOROBENZENE	40.000	39.118	2.2	99	0.04	9.29- 9.59
8	ETHYLBENZENE	40.000	38.560	3.6	97	0.04	9.63- 9.93
9	m,p-XYLENE	80.000	77.842	2.7	96	0.03	9.93-10.23
10	o-XYLENE	40.000	39.279	1.8	98	0.03	10.48-10.78
11	1,3-DICHLOROBENZENE	40.000	39.742	0.6	97	0.03	12.96-13.16
	----------	Amount	Calc.	%Drift	----------		
12	1,4-DICHLOROBENZENE	40.000	38.479	3.8	96	0.03	13.08-13.28
	----------	Amount	Calc.	%Drift	----------		
13	1,2-DICHLOROBENZENE	40.000	39.066	2.3	95	0.03	13.54-13.84
*****	Signal #2 *****						
1	Methyl tert Butyl Ethe	40.000	35.760	10.6	91	0.00	2.73- 3.13
2	Di-Isopropyl ether	40.000	37.076	7.3	95	0.00	3.31- 3.61
3	BENZENE	40.000	35.799	10.5	92	0.00	4.56- 4.86
4 S	a,a,a-TFT(S)	20.000	20.869	-4.3	103	0.00	5.30- 5.60
5	TOLUENE	40.000	36.979	7.6	95	0.00	7.14- 7.44
6 S	1-Chloro-4-Fluorobenze	20.000	21.639	-8.2	107	0.01	8.71- 9.01
7	CHLOROBENZENE	40.000	37.097	7.3	95	0.01	9.00- 9.30
8	ETHYLBENZENE	40.000	36.867	7.8	95	0.01	9.44- 9.74
9	m,p-XYLENE	80.000	75.314	5.9	96	0.01	9.75-10.05
10	o-XYLENE	40.000	37.548	6.1	97	0.01	10.29-10.59
11	1,3-DICHLOROBENZENE	40.000	37.668	5.8	93	0.00	12.92-13.12
12	1,4-DICHLOROBENZENE	40.000	37.885	5.3	94	0.00	13.00-13.20
13	1,2-DICHLOROBENZENE	40.000	37.788	5.5	94	0.00	13.46-13.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD056190.D GCCD1201.M Wed Dec 15 10:32:31 2004

Continuing Calibration Summary

Job Number: F28690
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2324-CC2314
Lab FileID: CD056454.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121404\CD056454.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\121404\CD056454.D\FID2B.CH
Acq On : 14 Dec 2004 3:33 pm Operator: Albertj
Sample : cc2314-20 Inst : VOA2
Misc : gc4337,gcd2324,,,,,1 Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCCD1201.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Dec 02 10:58:01 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	19.025	4.9	96	0.01	3.09- 3.49
2		Di-Isopropyl ether	20.000	20.229	-1.1	103	0.02	3.63- 3.93
3		BENZENE	20.000	20.304	-1.5	103	0.02	4.98- 5.28
4	S	a,a,a-TFT(S)	20.000	21.352	-6.8	109	0.02	6.03- 6.33
5		TOLUENE	20.000	20.379	-1.9	104	0.02	7.46- 7.76
6	S	1-Chloro-4-Fluorobenze	20.000	22.180	-10.9	114	0.03	9.12- 9.42
7		CHLOROBENZENE	20.000	20.252	-1.3	104	0.03	9.29- 9.59
8		ETHYLBENZENE	20.000	20.463	-2.3	103	0.03	9.63- 9.93
9		m,p-XYLENE	40.000	40.733	-1.8	103	0.03	9.93-10.23
10		o-XYLENE	20.000	20.403	-2.0	101	0.03	10.48-10.78
11		1,3-DICHLOROBENZENE	20.000	19.901	0.5	103	0.03	12.96-13.16
		----------	Amount	Calc.	%Drift	----------		
12		1,4-DICHLOROBENZENE	20.000	19.594	2.0	103	0.03	13.08-13.28
		----------	Amount	Calc.	%Drift	----------		
13		1,2-DICHLOROBENZENE	20.000	19.807	1.0	102	0.03	13.54-13.84
*****		Signal #2 *****						
1		Methyl tert Butyl Ethe	20.000	18.421	7.9	92	0.00	2.73- 3.13
2		Di-Isopropyl ether	20.000	19.713	1.4	97	0.00	3.31- 3.61
3		BENZENE	20.000	19.220	3.9	97	0.00	4.56- 4.86
4	S	a,a,a-TFT(S)	20.000	20.544	-2.7	103	0.00	5.30- 5.60
5		TOLUENE	20.000	19.528	2.4	99	0.00	7.14- 7.44
6	S	1-Chloro-4-Fluorobenze	20.000	20.970	-4.8	108	0.01	8.71- 9.01
7		CHLOROBENZENE	20.000	19.321	3.4	99	0.01	9.00- 9.30
8		ETHYLBENZENE	20.000	19.572	2.1	100	0.02	9.44- 9.74
9		m,p-XYLENE	40.000	39.410	1.5	101	0.01	9.75-10.05
10		o-XYLENE	20.000	20.059	-0.3	101	0.01	10.29-10.59
11		1,3-DICHLOROBENZENE	20.000	19.082	4.6	99	0.01	12.92-13.12
12		1,4-DICHLOROBENZENE	20.000	18.728	6.4	99	0.01	13.00-13.20
13		1,2-DICHLOROBENZENE	20.000	19.294	3.5	99	0.02	13.46-13.70

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD056189.D GCCD1201.M Wed Dec 15 10:33:10 2004

March 2005 Groundwater Laboratory Report

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F30291

Sampling Dates: 03/09/05 - 03/10/05

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **110**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F30291

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F30291-1	03/09/05	11:30	BS	03/11/05	AQ	Ground Water	UST645-MW23
F30291-2	03/09/05	10:35	BS	03/11/05	AQ	Ground Water	UST645-MW22
F30291-3	03/09/05	09:55	BS	03/11/05	AQ	Ground Water	UST645-MW21
F30291-4	03/09/05	13:45	BS	03/11/05	AQ	Ground Water	UST645-MW01
F30291-5	03/09/05	14:45	BS	03/11/05	AQ	Ground Water	UST645-MW02
F30291-6	03/10/05	09:30	BS	03/11/05	AQ	Ground Water	UST645-MW03
F30291-7	03/10/05	11:55	BS	03/11/05	AQ	Ground Water	UST645-MW12
F30291-8	03/10/05	10:50	BS	03/11/05	AQ	Ground Water	UST645-MW09
F30291-9	03/10/05	10:00	BS	03/11/05	AQ	Ground Water	UST645-MW15
F30291-10	03/10/05	12:55	BS	03/11/05	AQ	Ground Water	UST645-MW18 BLANK
F30291-11	03/10/05	14:30	BS	03/11/05	AQ	Trip Blank Water	UST645-TRIP BLANK
F30291-12	03/10/05	00:00	BS	03/11/05	AQ	Ground Water	UST645-DUP

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EEI **Job No:** F30291

Site: Camp Lejeune-Bldg 645 **Report Date:** 3/22/2005 3:18:51 PM

11 Samples and 1 Trip Blank were collected on between 03/09/2005 and 03/10/2005 and were received at Accutest on 03/11/2005 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F30291. 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.

Extractables by GCMS by Method EPA 625

Matrix: AQ **Batch ID:** OP12691

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 F30291-8MS, F30291-8MSD were used as the QC samples indicated.

Blank Spike Recoverys for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Hexachloroethane are outside control limits. MS/MSD within limits; method requirements met.

Volatiles by GC by Method EPA 601/602

Matrix: AQ **Batch ID:** GCD2408

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F30268-2MS, F30268-2MSD were used as the QC samples indicated.

Matrix Spike Recovery for Ethylbenzene is outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recovery for Ethylbenzene is outside control limits. Probable cause: due to matrix interference.

F30291-2: All hits confirmed by GC/MS.

F30291-4: All hits confirmed by dual column analysis.

F30291-5: All hits confirmed by dual column analysis.

F30291-6: All hits confirmed by dual column analysis.

F30291-7: All hits confirmed by dual column analysis.

Matrix: AQ **Batch ID:** GCD2411

All samples were analyzed within the recommended method holding time.

Samples F30351-2MS, F30351-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Duplicate Recovery for Methyl Tert Butyl Ether is outside control limits. Probable cause: due to matrix interference.

F30291-9: All hits confirmed by dual column analysis.

F30291-12: All hits confirmed by dual column analysis.

Tuesday, March 22, 2005

Volatiles by GC by Method EPA 601/602

Matrix: AQ **Batch ID:** GCD2414

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F30291-10MS, F30291-10MSD were used as the QC samples indicated.

Matrix Spike Recoverys for Ethylbenzene, Xylenes (total), Toluene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix Spike Duplicate Recoverys for Ethylbenzene, Methyl Tert Butyl Ether, Xylenes (total) are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Recovery for Methyl Tert Butyl Ether is outside control limits. Probable cause due to the ratio of spike to sample concentration < 4.

F30291-10: All hits confirmed by dual column analysis.

F30291-10 for Methyl Tert Butyl Ether: Elevated reporting limits 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: March 22, 2005

Ellen Pampel, Inorganic QA (signature on file)

Tuesday, March 22, 2005

Report of Analysis

Client Sample ID: UST645-MW23
Lab Sample ID: F30291-1
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 03/09/05
Date Received: 03/11/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024113.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F30291-1	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		19-90%
4165-62-2	Phenol-d5	22%		10-68%
118-79-6	2,4,6-Tribromophenol	69%		36-137%
4165-60-0	Nitrobenzene-d5	61%		49-119%
321-60-8	2-Fluorobiphenyl	64%		45-118%
1718-51-0	Terphenyl-d14	74%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW23		
Lab Sample ID:	F30291-1	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F30291-1	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD058524.D	1	03/14/05	AJ	n/a	n/a	GCD2408
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		59-129%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

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

Report of Analysis

Client Sample ID: UST645-MW22
Lab Sample ID: F30291-2
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 03/09/05
Date Received: 03/11/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024114.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.7	2.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.7	2.3	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.7	2.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.7	2.3	ug/l	
51-28-5	2,4-Dinitrophenol	ND	28	11	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	5.7	ug/l	
88-75-5	2-Nitrophenol	ND	5.7	2.3	ug/l	
100-02-7	4-Nitrophenol	ND	28	11	ug/l	
87-86-5	Pentachlorophenol	ND	28	11	ug/l	
108-95-2	Phenol	ND	5.7	2.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.7	2.3	ug/l	
83-32-9	Acenaphthene	ND	5.7	1.1	ug/l	
208-96-8	Acenaphthylene	ND	5.7	1.1	ug/l	
120-12-7	Anthracene	ND	5.7	1.1	ug/l	
92-87-5	Benzidine	ND	57	28	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.7	1.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.7	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.7	1.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.7	2.3	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.7	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.7	1.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.7	2.3	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.7	1.1	ug/l	
106-47-8	4-Chloroaniline	ND	11	3.4	ug/l	
218-01-9	Chrysene	ND	5.7	1.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.7	1.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.7	2.3	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.7	1.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.7	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.7	1.1	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.7	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.7	1.1	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F30291-2	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.7	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.7	2.3	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.7	2.3	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	11	5.7	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.7	2.3	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.7	2.3	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.7	2.8	ug/l	
84-66-2	Diethyl phthalate	ND	5.7	2.3	ug/l	
131-11-3	Dimethyl phthalate	ND	5.7	2.3	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.7	2.8	ug/l	
206-44-0	Fluoranthene	ND	5.7	1.1	ug/l	
86-73-7	Fluorene	ND	5.7	1.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.7	1.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.7	2.3	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.7	2.3	ug/l	
67-72-1	Hexachloroethane	ND	5.7	2.3	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.7	2.3	ug/l	
78-59-1	Isophorone	ND	5.7	1.1	ug/l	
91-20-3	Naphthalene	ND	5.7	1.1	ug/l	
98-95-3	Nitrobenzene	ND	5.7	1.1	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.7	2.3	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.7	2.3	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.7	2.3	ug/l	
85-01-8	Phenanthrene	ND	5.7	1.1	ug/l	
129-00-0	Pyrene	ND	5.7	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		19-90%
4165-62-2	Phenol-d5	25%		10-68%
118-79-6	2,4,6-Tribromophenol	74%		36-137%
4165-60-0	Nitrobenzene-d5	58%		49-119%
321-60-8	2-Fluorobiphenyl	64%		45-118%
1718-51-0	Terphenyl-d14	76%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW22		
Lab Sample ID:	F30291-2	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F30291-2	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD058525.D	1	03/14/05	AJ	n/a	n/a	GCD2408
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	9.6	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		59-129%
98-08-8	aaa-Trifluorotoluene	100%		73-122%

(a) All hits confirmed by GC/MS.

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

Report of Analysis

Client Sample ID: UST645-MW21
Lab Sample ID: F30291-3
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 03/09/05
Date Received: 03/11/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024115.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F30291-3	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		19-90%
4165-62-2	Phenol-d5	21%		10-68%
118-79-6	2,4,6-Tribromophenol	70%		36-137%
4165-60-0	Nitrobenzene-d5	59%		49-119%
321-60-8	2-Fluorobiphenyl	61%		45-118%
1718-51-0	Terphenyl-d14	73%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW21		
Lab Sample ID:	F30291-3	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F30291-3	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD058526.D	1	03/14/05	AJ	n/a	n/a	GCD2408
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		59-129%
98-08-8	aaa-Trifluorotoluene	97%		73-122%

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

Report of Analysis

Client Sample ID: UST645-MW01
Lab Sample ID: F30291-4
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 03/09/05
Date Received: 03/11/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024116.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	2.2	4.8	1.9	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F30291-4	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	17.2	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		19-90%
4165-62-2	Phenol-d5	23%		10-68%
118-79-6	2,4,6-Tribromophenol	80%		36-137%
4165-60-0	Nitrobenzene-d5	63%		49-119%
321-60-8	2-Fluorobiphenyl	70%		45-118%
1718-51-0	Terphenyl-d14	77%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
108-88-3	Toluene	2.51	18	ug/l	JN
100-41-4	Ethylbenzene	3.71	21	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F30291-4	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
106-42-3	p-Xylene	3.79	39	ug/l	JN
108-38-3	Benzene, 1,3-dimethyl-	4.01	23	ug/l	JN
103-65-1	Benzene, propyl-	4.50	19	ug/l	JN
620-14-4	Benzene, 1-ethyl-3-methyl-	4.57	200	ug/l	JN
108-67-8	Benzene, 1,3,5-trimethyl-	4.61	120	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.80	320	ug/l	JN
95-63-6	Benzene, 1,2,4-trimethyl-	4.99	94	ug/l	JN
496-11-7	Indane	5.10	50	ug/l	JN
1074-43-7	Benzene, 1-methyl-3-propyl-	5.17	90	ug/l	JN
99-87-6	Benzene, 1-methyl-4-(1-methylethyl)-	5.22	82	ug/l	JN
1074-17-5	Benzene, 1-methyl-2-propyl-	5.28	17	ug/l	JN
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	5.35	92	ug/l	JN
1000215-28-8	Endo-tricyclo[5.2.1.0(2.6)]decane	5.50	11	ug/l	JN
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	5.61	20	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.64	31	ug/l	JN
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	5.86	53	ug/l	JN
528-90-5	Benzoic acid, 2,4,5-trimethyl-	8.23	11	ug/l	JN
10544-50-0	Cyclic octaatomic sulfur	12.91	100	ug/l	JN
	Total TIC, Semi-Volatile		1411	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F30291-4	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD058527.D	1	03/14/05	AJ	n/a	n/a	GCD2408
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	2.0	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	2.2	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	5.6	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		59-129%
98-08-8	aaa-Trifluorotoluene	98%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: UST645-MW02
Lab Sample ID: F30291-5
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 03/09/05
Date Received: 03/11/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024117.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F30291-5	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	12.1	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		19-90%
4165-62-2	Phenol-d5	21%		10-68%
118-79-6	2,4,6-Tribromophenol	77%		36-137%
4165-60-0	Nitrobenzene-d5	58%		49-119%
321-60-8	2-Fluorobiphenyl	62%		45-118%
1718-51-0	Terphenyl-d14	74%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
100-41-4	Ethylbenzene	3.71	16	ug/l	JN
106-42-3	p-Xylene	3.79	42	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F30291-5	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
95-47-6	Benzene, 1,2-dimethyl-	4.01	29	ug/l	JN
103-65-1	Benzene, propyl-	4.50	18	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.56	170	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.61	98	ug/l	JN
95-63-6	Benzene, 1,2,4-trimethyl-	4.79	250	ug/l	JN
108-67-8	Benzene, 1,3,5-trimethyl-	4.99	60	ug/l	JN
496-11-7	Indane	5.09	38	ug/l	JN
1074-43-7	Benzene, 1-methyl-3-propyl-	5.17	44	ug/l	JN
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	5.21	38	ug/l	JN
1074-55-1	Benzene, 1-methyl-4-propyl-	5.28	7.8	ug/l	JN
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	5.35	47	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.61	11	ug/l	JN
488-23-3	Benzene, 1,2,3,4-tetramethyl-	5.64	17	ug/l	JN
874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	5.78	17	ug/l	JN
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	5.86	32	ug/l	JN
4912-92-9	1H-Indene, 2,3-dihydro-1,1-dimethyl-	6.17	6.4	ug/l	JN
56147-63-8	2-Ethyl-2,3-dihydro-1H-indene	6.44	5.9	ug/l	JN
10544-50-0	Cyclic octaatomic sulfur	12.89	47	ug/l	JN
	Total TIC, Semi-Volatile		994.1	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F30291-5	**Date Sampled:**	03/09/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD058529.D	1	03/14/05	AJ	n/a	n/a	GCD2408
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.5	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	30.5	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	3.7	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	135	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		59-129%
98-08-8	aaa-Trifluorotoluene	117%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: UST645-MW03
Lab Sample ID: F30291-6
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 03/10/05
Date Received: 03/11/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024118.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F30291-6	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	3.4	4.8	0.95	ug/l	J
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		19-90%
4165-62-2	Phenol-d5	25%		10-68%
118-79-6	2,4,6-Tribromophenol	78%		36-137%
4165-60-0	Nitrobenzene-d5	67%		49-119%
321-60-8	2-Fluorobiphenyl	70%		45-118%
1718-51-0	Terphenyl-d14	74%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
100-41-4	Ethylbenzene	3.71	7.1	ug/l	JN
106-42-3	p-Xylene	3.79	6.5	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F30291-6	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
108-38-3	Benzene, 1,3-dimethyl-	4.01	12	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.57	5.2	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.79	38	ug/l	JN
620-14-4	Benzene, 1-ethyl-3-methyl-	4.99	5.7	ug/l	JN
496-11-7	Indane	5.09	13	ug/l	JN
141-93-5	Benzene, 1,3-diethyl-	5.16	9.5	ug/l	JN
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	5.35	11	ug/l	JN
488-23-3	Benzene, 1,2,3,4-tetramethyl-	5.61	6.4	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.63	11	ug/l	JN
824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	5.78	5.2	ug/l	JN
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	5.86	14	ug/l	JN
10544-50-0	Cyclic octaatomic sulfur	12.88	28	ug/l	JN
	Total TIC, Semi-Volatile		172.6	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F30291-6	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD058530.D	1	03/14/05	AJ	n/a	n/a	GCD2408
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	13.2	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	2.5	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	23.1	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		59-129%
98-08-8	aaa-Trifluorotoluene	94%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: UST645-MW12
Lab Sample ID: F30291-7
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 03/10/05
Date Received: 03/11/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024119.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F30291-7	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	76%		36-137%
4165-60-0	Nitrobenzene-d5	66%		49-119%
321-60-8	2-Fluorobiphenyl	70%		45-118%
1718-51-0	Terphenyl-d14	78%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
594-60-5	2-Butanol, 2,3-dimethyl-	1.78	12	ug/l	JN
590-36-3	2-Pentanol, 2-methyl-	1.86	31	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F30291-7	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
77-74-7	3-Pentanol, 3-methyl-	2.26	31	ug/l	JN
1462-03-9	Cyclopentanol, 1-methyl-	2.87	11	ug/l	JN
625-23-0	2-Hexanol, 2-methyl-	3.38	11	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.49	36	ug/l	JN
590-67-0	1-Methylcyclohexanol	4.02	20	ug/l	JN
5582-82-1	3-Heptanol, 3-methyl-	4.38	6.1	ug/l	JN
1004-29-1	Furan, 2-butyltetrahydro-	4.42	5.7	ug/l	JN
632-46-2	Benzoic acid, 2,6-dimethyl-	7.15	10	ug/l	JN
480-63-7	Benzoic acid, 2,4,6-trimethyl-	7.78	21	ug/l	JN
6682-69-5	1H-Inden-1-one, 2,3-dihydro-5,7-dimethyl	9.06	5	ug/l	JN
1000188-07-9	6,7-Dimethyl-3H-isobenzofuran-1-one	9.16	5.9	ug/l	JN
	Total TIC, Semi-Volatile		205.7	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F30291-7	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD058531.D	1	03/14/05	AJ	n/a	n/a	GCD2408
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	1.0	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	6.3	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		59-129%
98-08-8	aaa-Trifluorotoluene	97%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F30291-8	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024120.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F30291-8	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		19-90%
4165-62-2	Phenol-d5	21%		10-68%
118-79-6	2,4,6-Tribromophenol	72%		36-137%
4165-60-0	Nitrobenzene-d5	58%		49-119%
321-60-8	2-Fluorobiphenyl	60%		45-118%
1718-51-0	Terphenyl-d14	76%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW09		
Lab Sample ID:	F30291-8	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F30291-8	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD058532.D	1	03/14/05	AJ	n/a	n/a	GCD2408
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		59-129%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

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

Report of Analysis

Client Sample ID: UST645-MW15
Lab Sample ID: F30291-9
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 03/10/05
Date Received: 03/11/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024123.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F30291-9	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		19-90%
4165-62-2	Phenol-d5	22%		10-68%
118-79-6	2,4,6-Tribromophenol	80%		36-137%
4165-60-0	Nitrobenzene-d5	61%		49-119%
321-60-8	2-Fluorobiphenyl	69%		45-118%
1718-51-0	Terphenyl-d14	83%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW15		
Lab Sample ID:	F30291-9	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F30291-9	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD058595.D	1	03/16/05	AJ	n/a	n/a	GCD2411
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.6	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		59-129%
98-08-8	aaa-Trifluorotoluene	96%		73-122%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW18 BLANK		
Lab Sample ID:	F30291-10	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024124.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW18 BLANK		
Lab Sample ID:	F30291-10	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	5.3	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		19-90%
4165-62-2	Phenol-d5	21%		10-68%
118-79-6	2,4,6-Tribromophenol	74%		36-137%
4165-60-0	Nitrobenzene-d5	60%		49-119%
321-60-8	2-Fluorobiphenyl	62%		45-118%
1718-51-0	Terphenyl-d14	76%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
594-60-5	2-Butanol, 2,3-dimethyl-	1.78	8.2	ug/l	JN
590-36-3	2-Pentanol, 2-methyl-	1.85	29	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW18 BLANK		
Lab Sample ID:	F30291-10	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
77-74-7	3-Pentanol, 3-methyl-	2.26	31	ug/l	JN
108-88-3	Toluene	2.52	340	ug/l	JN
1462-03-9	Cyclopentanol, 1-methyl-	2.87	18	ug/l	JN
625-23-0	2-Hexanol, 2-methyl-	3.38	11	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.49	35	ug/l	JN
19550-45-9	1,2-Dimethylcyclopentanol	3.67	9.4	ug/l	JN
100-41-4	Ethylbenzene	3.71	180	ug/l	JN
106-42-3	p-Xylene	3.79	280	ug/l	JN
108-38-3	Benzene, 1,3-dimethyl-	4.01	140	ug/l	JN
100-72-1	2H-Pyran-2-methanol, tetrahydro-	4.06	5.1	ug/l	JN
98-82-8	Benzene, (1-methylethyl)-	4.28	5.2	ug/l	JN
	unknown	4.30	5.8	ug/l	J
5582-82-1	3-Heptanol, 3-methyl-	4.38	8.4	ug/l	JN
496-11-7	Indane	5.09	40	ug/l	JN
95-13-6	Indene	5.15	8.1	ug/l	JN
10544-50-0	Cyclic octaatomic sulfur	12.88	15	ug/l	JN
	Total TIC, Semi-Volatile		1169.2	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW18 BLANK		
Lab Sample ID:	F30291-10	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD058596.D	1	03/16/05	AJ	n/a	n/a	GCD2411
Run #2 [a]	CD058650.D	10	03/17/05	AJ	n/a	n/a	GCD2414

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

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	110 [b]	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	320 [b]	10	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [c]	ND [b]	35	35	ug/l	
108-88-3	Toluene	788 [b]	10	5.0	ug/l	
1330-20-7	Xylenes (total)	735 [b]	30	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%	98%	59-129%
98-08-8	aaa-Trifluorotoluene	109%	98%	73-122%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2
(c) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-TRIP BLANK		
Lab Sample ID:	F30291-11	**Date Sampled:**	03/10/05
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD058651.D	1	03/17/05	AJ	n/a	n/a	GCD2414
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		59-129%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F30291-12	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W024136.D	1	03/18/05	ME	03/14/05	OP12691	SW1263
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	48	24	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F30291-12	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		19-90%
4165-62-2	Phenol-d5	23%		10-68%
118-79-6	2,4,6-Tribromophenol	85%		36-137%
4165-60-0	Nitrobenzene-d5	66%		49-119%
321-60-8	2-Fluorobiphenyl	76%		45-118%
1718-51-0	Terphenyl-d14	81%		46-135%

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F30291-12	**Date Sampled:**	03/10/05
Matrix:	AQ - Ground Water	**Date Received:**	03/11/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD058598.D	1	03/16/05	AJ	n/a	n/a	GCD2411
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	1.1	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	7.4	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		59-129%
98-08-8	aaa-Trifluorotoluene	95%		73-122%

(a) All hits confirmed by dual column analysis.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F30291
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Engineering + Environmental Inc
ADDRESS: 514 Colombo Rd Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO: Bill Mercer
PHONE #: 910-989-3214

FACILITY INFORMATION

PROJECT NAME: BP 6415
LOCATION:
PROJECT NO.:
FAX #: 910-989-3241

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	624	625
1	UST645 - MW 23	3/9/05	11:30	BS	GW	5	X				X	3	2
2	UST645 - MW 22	3/9/05	10:35	"	"	5	X				X	3	2
3	UST645 - MW 21	3/9/05	9:55	"	"	5	X				X	3	2
4	UST645 - MW C1	3/9/05	13:45	"	"	5	X				X	3	2
5	UST645 - MW C2	3/9/05	14:45	"	"	5	X				X	3	2
6	UST645 - MW C3	3/10/05	9:30	"	"	5	X				X	3	2
7	UST645 - MW 2	3/10/05	10:55	"	"	5	X				X	3	2
8	UST645 - MW 9	3/10/05	10:50	"	"	5	X				X	3	2
9	UST645 - MW 15	3/10/05	10:00	"	"	5	X				X	3	2
10	UST645 - MW 18	3/10/05	12:55	"	"	5	X				X	3	2
11	UST645 - Trip Blank	3/10/05	14:30										
12	UST645 - Dup	3/10/05		"	"	5	X				X	3	2

DATA TURNAROUND INFORMATION

- [X] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [X] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY) Excel 4

COMMENTS/REMARKS

Bob Sellers

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:
1. Bob Sellers	14:30 3/10/05	1. FX
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
5.		5.

RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
2. FX	9:00 3/11/05	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
4.		4.

SEAL #

PRESERVE WHERE APPLICABLE ☐ ON ICE ☐ TEMPERATURE 1.8 2.6 °C

F30291: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F30291 CLIENT: E+E PROJECT: Bld 645

DATE/TIME RECEIVED: 3/11/05 9:00 # OF COOLERS RECEIVED: 3 COOLER TEMPS: 1.8 2.6 2.0

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

AIRBILL NUMBERS:

COOLER INFORMATION

- [X] CUSTODY SEAL NOT PRESENT/INTACT
- [ ] NO COC RECEIVED
- [ ] ANALYSES NOT MARKED ON COC
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] SAMPLE RECEIVED PAST HOLD TIME
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [X] SAMPLE(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS: Received 1 amber broken For Samples UST645 - MW-12 @ 11:55, UST645 - MW 15 @ 10:00

TECHNICIAN SIGNATURE/DATE 3/11/05

TECHNICIAN SIGNATURE/DATE Steven Ercum / 3-11-05

ASBD02/04/05

F30291: Chain of Custody
Page 2 of 2

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12691-MB	W024110.D	1	03/18/05	ME	03/14/05	OP12691	SW1262

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

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8, F30291-9, F30291-10, F30291-12

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	50	25	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	3.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	

Method Blank Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12691-MB	W024110.D	1	03/18/05	ME	03/14/05	OP12691	SW1262

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

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8, F30291-9, F30291-10, F30291-12

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	47%	19-90%
4165-62-2	Phenol-d5	30%	10-68%
118-79-6	2,4,6-Tribromophenol	81%	36-137%
4165-60-0	Nitrobenzene-d5	79%	49-119%
321-60-8	2-Fluorobiphenyl	80%	45-118%
1718-51-0	Terphenyl-d14	87%	46-135%

Method Blank Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12691-MB	W024110.D	1	03/18/05	ME	03/14/05	OP12691	SW1262

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

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8, F30291-9, F30291-10, F30291-12

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12691-MB	W024135.D	1	03/18/05	ME	03/14/05	OP12691	SW1263

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

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8, F30291-9, F30291-10, F30291-12

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	50	25	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	3.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	

Method Blank Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12691-MB	W024135.D	1	03/18/05	ME	03/14/05	OP12691	SW1263

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

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8, F30291-9, F30291-10, F30291-12

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	47%	19-90%
4165-62-2	Phenol-d5	30%	10-68%
118-79-6	2,4,6-Tribromophenol	78%	36-137%
4165-60-0	Nitrobenzene-d5	79%	49-119%
321-60-8	2-Fluorobiphenyl	80%	45-118%
1718-51-0	Terphenyl-d14	81%	46-135%

Blank Spike Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12691-BS	W024109.D	1	03/18/05	ME	03/14/05	OP12691	SW1262

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

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8, F30291-9, F30291-10, F30291-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	31.4	63	62-103
59-50-7	4-Chloro-3-methyl phenol	50	37.2	74	64-103
120-83-2	2,4-Dichlorophenol	50	35.6	71	59-103
105-67-9	2,4-Dimethylphenol	50	27.5	55	43-94
51-28-5	2,4-Dinitrophenol	100	84.2	84	12-125
534-52-1	4,6-Dinitro-o-cresol	100	88.5	89	47-119
88-75-5	2-Nitrophenol	50	34.9	70	64-104
100-02-7	4-Nitrophenol	100	31.3	31	22-50
87-86-5	Pentachlorophenol	100	80.6	81	50-111
108-95-2	Phenol	50	14.0	28	25-53
88-06-2	2,4,6-Trichlorophenol	50	38.2	76	60-103
83-32-9	Acenaphthene	50	36.3	73	62-101
208-96-8	Acenaphthylene	50	35.8	72	65-113
120-12-7	Anthracene	50	38.3	77	69-107
56-55-3	Benzo(a)anthracene	50	40.4	81	68-106
50-32-8	Benzo(a)pyrene	50	39.7	79	70-114
205-99-2	Benzo(b)fluoranthene	50	40.5	81	68-110
191-24-2	Benzo(g,h,i)perylene	50	37.5	75	63-115
207-08-9	Benzo(k)fluoranthene	50	39.4	79	68-112
101-55-3	4-Bromophenyl phenyl ether	50	38.2	76	73-103
85-68-7	Butyl benzyl phthalate	50	40.9	82	69-108
91-58-7	2-Chloronaphthalene	50	34.5	69	64-102
106-47-8	4-Chloroaniline	50	32.4	65	57-104
218-01-9	Chrysene	50	39.9	80	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	32.3	65	57-103
111-44-4	bis(2-Chloroethyl)ether	50	32.2	64	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	29.5	59	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	38.5	77	71-104
95-50-1	1,2-Dichlorobenzene	50	29.3	59*	62-100
122-66-7	1,2-Diphenylhydrazine	50	34.0	68	65-105
541-73-1	1,3-Dichlorobenzene	50	27.9	56*	59-99
106-46-7	1,4-Dichlorobenzene	50	28.3	57*	60-101
121-14-2	2,4-Dinitrotoluene	50	39.6	79	65-111
606-20-2	2,6-Dinitrotoluene	50	39.0	78	77-111
91-94-1	3,3'-Dichlorobenzidine	50	45.3	91	42-110
53-70-3	Dibenzo(a,h)anthracene	50	38.7	77	62-115

Blank Spike Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12691-BS	W024109.D	1	03/18/05	ME	03/14/05	OP12691	SW1262

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

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8, F30291-9, F30291-10, F30291-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
84-74-2	Di-n-butyl phthalate	50	40.4	81	68-109
117-84-0	Di-n-octyl phthalate	50	46.2	92	63-120
84-66-2	Diethyl phthalate	50	40.7	81	64-110
131-11-3	Dimethyl phthalate	50	40.4	81	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	41.7	83	64-115
206-44-0	Fluoranthene	50	40.1	80	68-111
86-73-7	Fluorene	50	38.3	77	66-105
118-74-1	Hexachlorobenzene	50	39.0	78	69-103
87-68-3	Hexachlorobutadiene	50	28.8	58	55-90
77-47-4	Hexachlorocyclopentadiene	50	18.8	38	26-95
67-72-1	Hexachloroethane	50	26.7	53*	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	39.6	79	63-118
78-59-1	Isophorone	50	35.1	70	64-107
91-20-3	Naphthalene	50	31.8	64	62-101
98-95-3	Nitrobenzene	50	31.8	64	61-106
62-75-9	N-Nitrosodimethylamine	50	18.2	36	12-78
621-64-7	N-Nitroso-di-n-propylamine	50	33.0	66	64-109
86-30-6	N-Nitrosodiphenylamine	50	36.7	73	69-114
85-01-8	Phenanthrene	50	39.3	79	68-104
129-00-0	Pyrene	50	37.7	75	64-105
120-82-1	1,2,4-Trichlorobenzene	50	30.3	61*	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	39%	19-90%
4165-62-2	Phenol-d5	26%	10-68%
118-79-6	2,4,6-Tribromophenol	78%	36-137%
4165-60-0	Nitrobenzene-d5	65%	49-119%
321-60-8	2-Fluorobiphenyl	72%	45-118%
1718-51-0	Terphenyl-d14	75%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12691-MS	W024121.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
OP12691-MSD	W024122.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
F30291-8	W024120.D	1	03/18/05	ME	03/14/05	OP12691	SW1262

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

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8, F30291-9, F30291-10, F30291-12

CAS No.	Compound	F30291-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		94.3	63.9	68	76.8	81	18	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		94.3	70.7	75	78.9	84	11	60-101/18
120-83-2	2,4-Dichlorophenol	ND		94.3	70.0	74	80.5	85	14	55-100/24
105-67-9	2,4-Dimethylphenol	ND		94.3	49.1	52	56.3	60	14	36-98/26
51-28-5	2,4-Dinitrophenol	ND		189	152	81	179	95	16	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		189	161	85	186	99	14	40-127/24
88-75-5	2-Nitrophenol	ND		94.3	69.2	73	81.2	86	16	53-104/25
100-02-7	4-Nitrophenol	ND		189	88.0	47	99.8	53	13	32-81/28
87-86-5	Pentachlorophenol	ND		189	147	78	172	91	16	44-118/16
108-95-2	Phenol	ND		94.3	40.8	43	47.4	50	15	31-77/26
88-06-2	2,4,6-Trichlorophenol	ND		94.3	74.3	79	82.9	88	11	55-103/21
83-32-9	Acenaphthene	ND		94.3	72.1	76	76.7	81	6	55-103/20
208-96-8	Acenaphthylene	ND		94.3	71.5	76	77.1	82	8	55-113/20
120-12-7	Anthracene	ND		94.3	73.3	78	79.4	84	8	66-105/14
56-55-3	Benzo(a)anthracene	ND		94.3	77.2	82	83.0	88	7	65-103/16
50-32-8	Benzo(a)pyrene	ND		94.3	75.0	80	83.1	88	10	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		94.3	75.3	80	86.6	92	14	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		94.3	77.8	82	80.6	85	4	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		94.3	74.2	79	82.8	88	11	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		94.3	76.0	81	82.8	88	9	68-102/16
85-68-7	Butyl benzyl phthalate	ND		94.3	79.5	84	88.3	94	10	65-108/17
91-58-7	2-Chloronaphthalene	ND		94.3	71.4	76	77.0	82	8	58-101/22
106-47-8	4-Chloroaniline	ND		94.3	60.7	64	65.6	70	8	39-101/21
218-01-9	Chrysene	ND		94.3	76.0	81	81.8	87	7	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		94.3	66.6	71	73.7	78	10	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		94.3	67.5	72	78.5	83	15	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		94.3	60.6	64	70.8	75	16	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		94.3	75.8	80	79.9	85	5	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		94.3	60.4	64	71.5	76	17	50-101/22
122-66-7	1,2-Diphenylhydrazine	ND		94.3	66.6	71	71.3	76	7	61-101/17
541-73-1	1,3-Dichlorobenzene	ND		94.3	57.6	61	69.6	74	19	50-100/23
106-46-7	1,4-Dichlorobenzene	ND		94.3	57.6	61	69.4	74	19	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		94.3	74.0	78	81.2	86	9	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		94.3	75.1	80	81.4	86	8	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		94.3	80.6	85	88.5	94	9	18-112/22
53-70-3	Dibenzo(a,h)anthracene	ND		94.3	76.8	81	86.1	91	11	57-111/20

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP12691-MS	W024121.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
OP12691-MSD	W024122.D	1	03/18/05	ME	03/14/05	OP12691	SW1262
F30291-8	W024120.D	1	03/18/05	ME	03/14/05	OP12691	SW1262

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

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8, F30291-9, F30291-10, F30291-12

CAS No.	Compound	F30291-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
84-74-2	Di-n-butyl phthalate	ND		94.3	76.1	81	81.8	87	7	63-107/17
117-84-0	Di-n-octyl phthalate	ND		94.3	86.9	92	103	109	17	58-126/23
84-66-2	Diethyl phthalate	ND		94.3	78.1	83	84.7	90	8	59-110/18
131-11-3	Dimethyl phthalate	ND		94.3	76.5	81	82.5	87	8	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		94.3	81.1	86	88.8	94	9	55-120/22
206-44-0	Fluoranthene	ND		94.3	74.6	79	80.0	85	7	62-108/17
86-73-7	Fluorene	ND		94.3	74.8	79	79.4	84	6	60-105/17
118-74-1	Hexachlorobenzene	ND		94.3	75.5	80	81.7	87	8	64-102/16
87-68-3	Hexachlorobutadiene	ND		94.3	61.0	65	72.4	77	17	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		94.3	36.5	39	42.5	45	15	20-92/34
67-72-1	Hexachloroethane	ND		94.3	55.4	59	67.2	71	19	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		94.3	78.5	83	84.2	89	7	61-111/19
78-59-1	Isophorone	ND		94.3	69.1	73	77.0	82	11	59-103/23
91-20-3	Naphthalene	ND		94.3	65.9	70	74.3	79	12	52-102/23
98-95-3	Nitrobenzene	ND		94.3	66.1	70	77.4	82	16	51-103/25
62-75-9	N-Nitrosodimethylamine	ND		94.3	50.4	53	58.5	62	15	20-91/29
621-64-7	N-Nitroso-di-n-propylamine	ND		94.3	65.7	70	76.0	81	15	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		94.3	72.8	77	79.9	85	9	62-112/16
85-01-8	Phenanthrene	ND		94.3	76.0	81	83.5	89	9	64-103/15
129-00-0	Pyrene	ND		94.3	74.6	79	81.6	86	9	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		94.3	63.4	67	72.8	77	14	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F30291-8	Limits
367-12-4	2-Fluorophenol	54%	64%	33%	19-90%
4165-62-2	Phenol-d5	42%	48%	21%	10-68%
118-79-6	2,4,6-Tribromophenol	77%	86%	72%	36-137%
4165-60-0	Nitrobenzene-d5	70%	79%	58%	49-119%
321-60-8	2-Fluorobiphenyl	78%	86%	60%	45-118%
1718-51-0	Terphenyl-d14	78%	85%	76%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1258-DFTPP
Lab File ID: W023997.D
Instrument ID: GCMSW
Injection Date: 03/10/05
Injection Time: 09:10

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	27913	39.1		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	27353	38.3		Pass
70	Less than 2.0% of mass 69	119	0.17	(0.44) [a]	Pass
127	40.0 - 60.0% of mass 198	35842	50.2		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	71421	100.0		Pass
199	5.0 - 9.0% of mass 198	4716	6.6		Pass
275	10.0 - 30.0% of mass 198	15654	21.9		Pass
365	1.0 - 100.0% of mass 198	1528	2.1		Pass
441	Present, but less than mass 443	7083	9.9	(78.5) [b]	Pass
442	40.0 - 100.0% of mass 198	47695	66.8		Pass
443	17.0 - 23.0% of mass 442	9023	12.6	(18.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1258-IC1258	W023998.D	03/10/05	09:30	00:20	Initial cal 5
SW1258-IC1258	W023999.D	03/10/05	10:01	00:51	Initial cal 25
SW1258-IC1258	W024000.D	03/10/05	10:32	01:22	Initial cal 50
SW1258-ICC1258	W024001.D	03/10/05	11:03	01:53	Initial cal 75
SW1258-IC1258	W024002.D	03/10/05	11:35	02:25	Initial cal 100
SW1258-IC1258	W024003.D	03/10/05	12:05	02:55	Initial cal 125
SW1258-ICV1258	W024004.D	03/10/05	12:36	03:26	Initial cal verification 50
ZZZZZZ	W024006.D	03/10/05	13:37	04:27	(unrelated sample)
ZZZZZZ	W024007.D	03/10/05	14:07	04:57	(unrelated sample)
ZZZZZZ	W024008.D	03/10/05	14:38	05:28	(unrelated sample)
ZZZZZZ	W024009.D	03/10/05	15:08	05:58	(unrelated sample)
ZZZZZZ	W024010.D	03/10/05	15:39	06:29	(unrelated sample)
ZZZZZZ	W024011.D	03/10/05	16:09	06:59	(unrelated sample)
ZZZZZZ	W024012.D	03/10/05	16:39	07:29	(unrelated sample)
ZZZZZZ	W024014.D	03/10/05	17:40	08:30	(unrelated sample)
ZZZZZZ	W024015.D	03/10/05	18:11	09:01	(unrelated sample)
ZZZZZZ	W024016.D	03/10/05	18:41	09:31	(unrelated sample)
ZZZZZZ	W024017.D	03/10/05	19:12	10:02	(unrelated sample)
ZZZZZZ	W024018.D	03/10/05	19:43	10:33	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SW1258-DFTPP	**Injection Date:**	03/10/05
Lab File ID:	W023997.D	**Injection Time:**	09:10
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W024019.D	03/10/05	20:14	11:04	(unrelated sample)
ZZZZZZ	W024020.D	03/10/05	20:45	11:35	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1262-DFTPP
Lab File ID: W024080.D
Instrument ID: GCMSW
Injection Date: 03/17/05
Injection Time: 10:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	24094	39.0		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	24025	38.9		Pass
70	Less than 2.0% of mass 69	136	0.22	(0.57) [a]	Pass
127	40.0 - 60.0% of mass 198	30200	48.9		Pass
197	Less than 1.0% of mass 198	305	0.49		Pass
198	Base peak, 100% relative abundance	61744	100.0		Pass
199	5.0 - 9.0% of mass 198	4304	7.0		Pass
275	10.0 - 30.0% of mass 198	13654	22.1		Pass
365	1.0 - 100.0% of mass 198	1500	2.4		Pass
441	Present, but less than mass 443	5991	9.7	(77.2) [b]	Pass
442	40.0 - 100.0% of mass 198	40308	65.3		Pass
443	17.0 - 23.0% of mass 442	7758	12.6	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1262-CC1258	W024081.D	03/17/05	10:56	00:20	Continuing cal 75
OP12708-MB	W024082.D	03/17/05	11:27	00:51	Method Blank
OP12713-MB	W024082.D	03/17/05	11:27	00:51	Method Blank
ZZZZZZ	W024083.D	03/17/05	11:57	01:21	(unrelated sample)
ZZZZZZ	W024084.D	03/17/05	12:27	01:51	(unrelated sample)
OP12671-MB	W024085.D	03/17/05	12:58	02:22	Method Blank
ZZZZZZ	W024086.D	03/17/05	13:28	02:52	(unrelated sample)
ZZZZZZ	W024087.D	03/17/05	13:59	03:23	(unrelated sample)
OP12729-BS	W024088.D	03/17/05	14:53	04:17	Blank Spike
OP12729-MB	W024089.D	03/17/05	15:24	04:48	Method Blank
F30364-1	W024090.D	03/17/05	15:55	05:19	(used for QC only; not part of job F30291)
ZZZZZZ	W024091.D	03/17/05	16:25	05:49	(unrelated sample)
ZZZZZZ	W024092.D	03/17/05	16:56	06:20	(unrelated sample)
OP12729-MS	W024093.D	03/17/05	17:27	06:51	Matrix Spike
OP12729-MSD	W024094.D	03/17/05	17:57	07:21	Matrix Spike Duplicate
ZZZZZZ	W024095.D	03/17/05	18:28	07:52	(unrelated sample)
OP12730-LBS	W024096.D	03/17/05	19:00	08:24	Blank Spike
OP12730-LB	W024097.D	03/17/05	19:30	08:54	Leachate Blank
F30326-4	W024098.D	03/17/05	20:02	09:26	(used for QC only; not part of job F30291)

Instrument Performance Check (DFTPP)

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SW1262-DFTPP	**Injection Date:**	03/17/05
Lab File ID:	W024080.D	**Injection Time:**	10:36
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP12730-MS	W024099.D	03/17/05	20:32	09:56	Matrix Spike
OP12730-MSD	W024100.D	03/17/05	21:04	10:28	Matrix Spike Duplicate
OP12728-BS	W024101.D	03/17/05	21:35	10:59	Blank Spike
OP12728-MB	W024102.D	03/17/05	22:06	11:30	Method Blank
F30324-4	W024103.D	03/17/05	22:37	12:01	(used for QC only; not part of job F30291)
OP12728-MS	W024104.D	03/17/05	23:09	12:33	Matrix Spike
OP12728-MSD	W024105.D	03/17/05	23:41	13:05	Matrix Spike Duplicate
ZZZZZZ	W024106.D	03/18/05	00:11	13:35	(unrelated sample)
ZZZZZZ	W024107.D	03/18/05	00:43	14:07	(unrelated sample)
ZZZZZZ	W024108.D	03/18/05	01:14	14:38	(unrelated sample)
OP12691-BS	W024109.D	03/18/05	01:46	15:10	Blank Spike
OP12691-MB	W024110.D	03/18/05	02:17	15:41	Method Blank
ZZZZZZ	W024111.D	03/18/05	02:49	16:13	(unrelated sample)
ZZZZZZ	W024112.D	03/18/05	03:19	16:43	(unrelated sample)
F30291-1	W024113.D	03/18/05	03:51	17:15	UST645-MW23
F30291-2	W024114.D	03/18/05	04:22	17:46	UST645-MW22
F30291-3	W024115.D	03/18/05	04:54	18:18	UST645-MW21
F30291-4	W024116.D	03/18/05	05:25	18:49	UST645-MW01
F30291-5	W024117.D	03/18/05	05:57	19:21	UST645-MW02
F30291-6	W024118.D	03/18/05	06:29	19:53	UST645-MW03
F30291-7	W024119.D	03/18/05	07:00	20:24	UST645-MW12
F30291-8	W024120.D	03/18/05	08:03	21:27	UST645-MW09
OP12691-MS	W024121.D	03/18/05	08:35	21:59	Matrix Spike
OP12691-MSD	W024122.D	03/18/05	09:07	22:31	Matrix Spike Duplicate
F30291-9	W024123.D	03/18/05	09:38	23:02	UST645-MW15
F30291-10	W024124.D	03/18/05	10:09	23:33	UST645-MW18 BLANK

Instrument Performance Check (DFTPP)

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1263-DFTPP
Lab File ID: W024126.D
Instrument ID: GCMSW
Injection Date: 03/18/05
Injection Time: 11:22

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	33629	37.2		Pass
68	Less than 2.0% of mass 69	112	0.12	(0.33) [a]	Pass
69	Mass 69 relative abundance	34376	38.0		Pass
70	Less than 2.0% of mass 69	199	0.22	(0.58) [a]	Pass
127	40.0 - 60.0% of mass 198	45677	50.5		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	90363	100.0		Pass
199	5.0 - 9.0% of mass 198	6367	7.0		Pass
275	10.0 - 30.0% of mass 198	19839	22.0		Pass
365	1.0 - 100.0% of mass 198	2080	2.3		Pass
441	Present, but less than mass 443	8131	9.0	(74.7) [b]	Pass
442	40.0 - 100.0% of mass 198	55590	61.5		Pass
443	17.0 - 23.0% of mass 442	10884	12.0	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SW1263-CC1258	W024127.D	03/18/05	11:41	00:19	Continuing cal 50
OP12742-BS	W024128.D	03/18/05	12:13	00:51	Blank Spike
OP12742-MB	W024129.D	03/18/05	12:43	01:21	Method Blank
ZZZZZZ	W024130.D	03/18/05	13:15	01:53	(unrelated sample)
F30327-4	W024131.D	03/18/05	13:47	02:25	(used for QC only; not part of job F30291)
OP12742-MS	W024132.D	03/18/05	14:18	02:56	Matrix Spike
OP12742-MSD	W024133.D	03/18/05	14:48	03:26	Matrix Spike Duplicate
OP12691-MB	W024135.D	03/18/05	15:50	04:28	Method Blank
F30291-12	W024136.D	03/18/05	16:21	04:59	UST645-DUP

Semivolatile Internal Standard Area Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SW1262-CC1258 **Injection Date:** 03/17/05
Lab File ID: W024081.D **Injection Time:** 10:56
Instrument ID: GCMSW **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	164355	4.92	578618	6.10	272509	8.38	394100	10.81	265111	15.71	218550	18.20
Upper Limit [a]	328710	5.42	1157236	6.60	545018	8.88	788200	11.31	530222	16.21	437100	18.70
Lower Limit [b]	82178	4.42	289309	5.60	136255	7.88	197050	10.31	132556	15.21	109275	17.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP12708-MB	158622	4.91	551577	6.09	264203	8.37	406669	10.81	280669	15.69	241559	18.19
OP12713-MB	158622	4.91	551577	6.09	264203	8.37	406669	10.81	280669	15.69	241559	18.19
ZZZZZZ	159722	4.91	544474	6.10	239052	8.37	336003	10.82	232553	15.71	206832	18.21
ZZZZZZ	142663	4.91	499914	6.09	228959	8.37	348612	10.81	245080	15.70	216259	18.19
OP12671-MB	145726	4.92	519635	6.10	248443	8.37	368248	10.81	250534	15.70	217337	18.19
ZZZZZZ	127134	4.92	415350	6.10	190210	8.38	276798	10.82	199388	15.70	175615	18.19
ZZZZZZ	131704	4.92	441466	6.10	209153	8.38	303311	10.82	214262	15.70	183734	18.19
OP12729-BS	146238	4.91	499990	6.10	226707	8.37	340049	10.81	235772	15.70	203652	18.19
OP12729-MB	160942	4.91	568766	6.09	264910	8.37	380847	10.81	256828	15.69	215915	18.19
F30364-1	188857	4.91	663762	6.09	323971	8.37	486207	10.80	330353	15.70	278869	18.19
ZZZZZZ	172820	4.91	588626	6.10	256393	8.37	361065	10.81	233063	15.69	199640	18.19
ZZZZZZ	158115	4.91	537783	6.09	251218	8.37	391168	10.81	270331	15.69	229756	18.19
OP12729-MS	186388	4.91	652331	6.10	294997	8.37	427709	10.81	273953	15.70	218611	18.19
OP12729-MSD	130167	4.91	446355	6.10	213643	8.37	329405	10.81	259352	15.70	234219	18.19
ZZZZZZ	163537	4.91	581880	6.09	276301	8.37	414969	10.80	271561	15.69	227170	18.19
OP12730-LBS	185490	4.91	648663	6.10	297057	8.37	415766	10.81	277501	15.70	232917	18.19
OP12730-LB	141803	4.91	499071	6.10	227501	8.37	343481	10.80	243845	15.70	223861	18.19
F30326-4	162980	4.91	577728	6.10	276516	8.37	412331	10.81	277943	15.70	235516	18.19
OP12730-MS	159819	4.91	559314	6.10	261137	8.37	399960	10.81	291229	15.70	249314	18.19
OP12730-MSD	156671	4.91	549606	6.10	256856	8.37	381435	10.81	269017	15.70	238994	18.19
OP12728-BS	182001	4.91	634084	6.10	295249	8.37	448224	10.81	327335	15.70	270700	18.19
OP12728-MB	138204	4.91	485832	6.10	227995	8.37	336564	10.80	249916	15.69	230993	18.18
F30324-4	151816	4.91	524782	6.09	241741	8.37	361901	10.81	251962	15.69	225670	18.19
OP12728-MS	150797	4.91	524519	6.10	243926	8.37	375334	10.81	276710	15.70	251295	18.19
OP12728-MSD	124419	4.91	426985	6.09	198903	8.37	302914	10.81	228085	15.70	211995	18.19
ZZZZZZ	146764	4.91	503984	6.09	234376	8.37	350193	10.81	259188	15.69	233316	18.19
ZZZZZZ	139641	4.91	486147	6.10	222292	8.37	328400	10.80	247104	15.70	230686	18.19
ZZZZZZ	162917	4.91	554951	6.09	260234	8.37	383017	10.81	279628	15.69	252546	18.19
OP12691-BS	197048	4.91	687379	6.10	325793	8.37	493223	10.81	349698	15.70	288096	18.19
OP12691-MB	184266	4.91	646947	6.09	303149	8.37	439338	10.81	288003	15.69	240975	18.19
ZZZZZZ	190309	4.91	661562	6.09	311206	8.37	455563	10.81	318532	15.69	269405	18.19
ZZZZZZ	172643	4.91	595177	6.10	268544	8.37	374896	10.80	263529	15.69	242453	18.19
F30291-1	177045	4.91	617023	6.09	290354	8.37	429923	10.81	306913	15.69	261340	18.19
F30291-2	160107	4.91	560804	6.09	265887	8.37	404673	10.80	301313	15.69	258385	18.19
F30291-3	181411	4.91	646325	6.09	313128	8.37	462078	10.81	321279	15.69	264173	18.19

Semivolatile Internal Standard Area Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SW1262-CC1258 **Injection Date:** 03/17/05
Lab File ID: W024081.D **Injection Time:** 10:56
Instrument ID: GCMSW **Method:** EPA 625

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
F30291-4	188371	4.91	644047	6.09	302897	8.37	459557	10.81	312808	15.69	263480	18.19
F30291-5	186637	4.91	652955	6.09	303749	8.37	465147	10.81	340037	15.69	287721	18.19
F30291-6	165342	4.91	560450	6.09	263237	8.37	390443	10.80	275571	15.69	240183	18.19
F30291-7	207773	4.91	720891	6.09	347892	8.37	508330	10.80	330896	15.69	263649	18.19
F30291-8	209117	4.91	737994	6.10	360539	8.37	542878	10.81	375510	15.69	300530	18.19
OP12691-MS	184141	4.91	627880	6.10	285521	8.37	423645	10.80	278666	15.70	235375	18.19
OP12691-MSD	218514	4.91	766569	6.10	359989	8.37	527432	10.81	344523	15.70	269660	18.19
F30291-9	172254	4.91	595945	6.09	282539	8.37	417564	10.80	285032	15.69	243708	18.19
F30291-10	185211	4.91	647587	6.09	312080	8.37	481945	10.80	339095	15.69	283174	18.19

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SW1263-CC1258 **Injection Date:** 03/18/05
Lab File ID: W024127.D **Injection Time:** 11:41
Instrument ID: GCMSW **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	178994	4.91	616198	6.09	301853	8.37	456889	10.81	309260	15.70	253450	18.19
Upper Limit [a]	357988	5.41	1232396	6.59	603706	8.87	913778	11.31	618520	16.20	506900	18.69
Lower Limit [b]	89497	4.41	308099	5.59	150927	7.87	228445	10.31	154630	15.20	126725	17.69

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP12742-BS	173775	4.92	601542	6.10	275825	8.37	403806	10.81	274512	15.70	220705	18.19
OP12742-MB	140055	4.91	496583	6.09	233595	8.37	347803	10.80	241356	15.69	194893	18.18
ZZZZZZ	147216	4.91	516255	6.09	238006	8.37	342466	10.80	225806	15.69	181131	18.18
F30327-4	154346	4.91	540844	6.09	253305	8.37	355353	10.80	226784	15.69	183917	18.18
OP12742-MS	153384	4.91	527264	6.09	244248	8.37	354750	10.81	242355	15.69	195969	18.19
OP12742-MSD	132068	4.91	460221	6.09	213087	8.37	328948	10.80	231680	15.70	187853	18.19
OP12691-MB	140876	4.91	491337	6.09	235725	8.37	354381	10.80	267612	15.69	244485	18.18
F30291-12	178229	4.91	603038	6.09	274803	8.37	402336	10.80	278453	15.69	238878	18.19

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F30291-1	W024113.D	35.0	22.0	69.0	61.0	64.0	74.0
F30291-2	W024114.D	39.0	25.0	74.0	58.0	64.0	76.0
F30291-3	W024115.D	33.0	21.0	70.0	59.0	61.0	73.0
F30291-4	W024116.D	35.0	23.0	80.0	63.0	70.0	77.0
F30291-5	W024117.D	32.0	21.0	77.0	58.0	62.0	74.0
F30291-6	W024118.D	39.0	25.0	78.0	67.0	70.0	74.0
F30291-7	W024119.D	39.0	24.0	76.0	66.0	70.0	78.0
F30291-8	W024120.D	33.0	21.0	72.0	58.0	60.0	76.0
F30291-9	W024123.D	34.0	22.0	80.0	61.0	69.0	83.0
F30291-10	W024124.D	34.0	21.0	74.0	60.0	62.0	76.0
F30291-12	W024136.D	37.0	23.0	85.0	66.0	76.0	81.0
OP12691-BS	W024109.D	39.0	26.0	78.0	65.0	72.0	75.0
OP12691-MB	W024110.D	47.0	30.0	81.0	79.0	80.0	87.0
OP12691-MB	W024135.D	47.0	30.0	78.0	79.0	80.0	81.0
OP12691-MS	W024121.D	54.0	42.0	77.0	70.0	78.0	78.0
OP12691-MSD	W024122.D	64.0	48.0	86.0	79.0	86.0	85.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	19-90%
S2 = Phenol-d5	10-68%
S3 = 2,4,6-Tribromophenol	36-137%
S4 = Nitrobenzene-d5	49-119%
S5 = 2-Fluorobiphenyl	45-118%
S6 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1258-ICC1258
Lab FileID: W024001.D

Response Factor Report MSBNA01

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Fri Mar 11 09:32:46 2005
Response via : Initial Calibration

Calibration Files
5 =W023998.D 25 =W023999.D 50 =W024000.D 75 =W024001.D
100 =W024002.D 125 =W024003.D icv =W024004.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.429	0.468	0.452	0.446	0.434	0.443		0.445	3.09
3) N-nitrosodimethyl	0.525	0.525	0.525	0.520	0.500	0.513		0.518	1.93
4) Pyridine	1.112	1.204	1.143	1.181	1.124	1.123		1.148	3.21
5) Benzaldehyde	0.946	0.978	0.921	0.695	0.503	0.312		0.726	37.55
6) Aniline	1.552	1.727	1.772	1.744	1.693	1.743		1.705	4.66
7)S 2-Fluorophenol	1.079	1.153	1.160	1.154	1.122	1.151		1.137	2.72
8) bis(2-Chloroethyl	1.077	1.174	1.170	1.149	1.111	1.149		1.138	3.29
9)S Phenol-d5	1.326	1.406	1.419	1.414	1.345	1.369		1.380	2.84
10)C Phenol	1.398	1.502	1.511	1.508	1.437	1.465		1.470	3.11
11) 2-Chlorophenol	1.257	1.313	1.326	1.313	1.267	1.314		1.298	2.21
12) 1,3-Dichlorobenze	1.427	1.477	1.518	1.482	1.448	1.486		1.473	2.16
13)C 1,4-Dichlorobenze	1.514	1.560	1.568	1.558	1.508	1.552		1.543	1.67
14) 1,2-Dichlorobenze	1.365	1.421	1.442	1.394	1.374	1.395		1.398	2.07
15) Benzyl alcohol	0.695	0.784	0.809	0.810	0.768	0.791		0.776	5.52
16) bis(2-chloroisopr	1.735	1.781	1.799	1.765	1.676	1.735		1.748	2.49
17) 2-Methylphenol	1.021	1.081	1.122	1.107	1.046	1.075		1.075	3.49
18) Acetophenone	1.612	1.600	1.717	1.599	1.575	1.640		1.624	3.08
19) Hexachloroethane	0.532	0.543	0.550	0.539	0.524	0.547		0.539	1.79
20)P N-Nitroso-di-n-pr	0.753	0.805	0.798	0.801	0.753	0.794		0.784	3.08
21) 3&4-Methylphenol	1.093	1.152	1.164	1.178	1.095	1.131		1.136	3.15
22) I Naphthalene-d8	ISTD								
23)S Nitrobenzene-d5	0.323	0.336	0.345	0.338	0.331	0.343		0.336	2.42
24) Nitrobenzene	0.322	0.329	0.335	0.333	0.318	0.327		0.327	1.96
25) Isophorone	0.517	0.550	0.569	0.567	0.541	0.547		0.548	3.44
26)C 2-Nitrophenol	0.182	0.193	0.202	0.200	0.195	0.200		0.195	3.75
27) 2,4-Dimethylpheno	0.302	0.309	0.321	0.315	0.311	0.318		0.313	2.15
28) bis(2-Chloroethox	0.360	0.376	0.378	0.372	0.360	0.370		0.369	2.07
29) Benzoic Acid		0.205	0.249	0.257	0.249	0.262		0.244	9.22
30)C 2,4-Dichloropheno	0.268	0.284	0.296	0.291	0.280	0.292		0.285	3.50
31) 1,2,4-Trichlorobe	0.305	0.320	0.325	0.318	0.313	0.320		0.317	2.13
32) Naphthalene	1.024	1.048	1.064	1.040	1.010	1.035		1.037	1.81
33) 4-Chloroaniline	0.410	0.417	0.426	0.422	0.404	0.408		0.415	2.05
34) 2,6-Dichloropheno	0.275	0.289	0.293	0.287	0.282	0.289		0.286	2.26
35)C Hexachlorobutadie	0.160	0.166	0.168	0.166	0.163	0.168		0.165	1.95
36) Caprolactam	0.075	0.083	0.098	0.095	0.092	0.092		0.089	9.42
37)C 4-Chloro-3-methyl	0.238	0.250	0.257	0.260	0.247	0.254		0.251	3.17
38) 2-Methylnaphthale	0.641	0.652	0.672	0.663	0.634	0.654		0.653	2.09
39) 1-Methylnaphthale	0.608	0.617	0.635	0.637	0.610	0.621		0.621	1.98
40) 1,2,4,5-Tetrachlo	0.294	0.301	0.302	0.303	0.292	0.299		0.298	1.49
41) I Acenaphthene-d10	ISTD								
42)P Hexachlorocyclope	0.329	0.372	0.407	0.399	0.407	0.444		0.393	9.94
43)C 2,4,6-Trichloroph	0.355	0.393	0.413	0.407	0.397	0.421		0.398	5.87
44) 2,4,5-Trichloroph	0.367	0.421	0.446	0.438	0.434	0.453		0.427	7.30

Initial Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1258-ICC1258
Lab FileID: W024001.D

45)S	2-Fluorobiphenyl	1.401	1.484	1.521	1.493	1.485	1.555	1.490	3.43
46)	1,1'-Biphenyl	1.631	1.682	1.814	1.663	1.732	1.799	1.720	4.33
47)	2-Chloronaphthale	1.192	1.257	1.299	1.297	1.256	1.328	1.272	3.77
48)	2-Nitroaniline	0.279	0.304	0.325	0.324	0.317	0.325	0.312	5.86
49)	Acenaphthylene	1.896	2.036	2.115	2.043	2.017	2.105	2.035	3.86
50)	Dimethylphthalate	1.174	1.237	1.328	1.314	1.265	1.294	1.269	4.47
51)	2,6-Dinitrotoluen	0.289	0.303	0.317	0.317	0.306	0.314	0.308	3.55
52)C	Acenaphthene	1.194	1.251	1.278	1.280	1.228	1.264	1.249	2.64
53)	3-Nitroaniline	0.309	0.334	0.349	0.347	0.332	0.336	0.334	4.29
54)P	2,4-Dinitrophenol		0.145	0.182	0.195	0.190	0.201	0.182	12.17
55)	Dibenzofuran	1.595	1.663	1.710	1.689	1.631	1.692	1.663	2.59
56)	2,4-Dinitrotoluen	0.344	0.383	0.402	0.405	0.397	0.394	0.387	5.85
57)P	4-Nitrophenol		0.117	0.138	0.144	0.142	0.145	0.137	8.25
58)	2,3,4,6-Tetrachlo	0.229	0.293	0.314	0.319	0.313	0.322	0.298	11.83
59)	Fluorene	1.250	1.334	1.357	1.360	1.338	1.355	1.332	3.13
60)	4-Chlorophenyl-ph	0.599	0.594	0.617	0.615	0.588	0.611	0.604	2.00
61)	Diethylphthalate	1.081	1.200	1.295	1.294	1.260	1.300	1.238	6.94
62)	4-Nitroaniline	0.278	0.285	0.320	0.332	0.310	0.307	0.305	6.71
63) I	Phenanthrene-d10	----------ISTD----------							
64)	4,6-Dinitro-2-met		0.138	0.154	0.157	0.156	0.162	0.153	6.07
65)C	n-Nitrosodiphenyl	0.592	0.621	0.632	0.629	0.614	0.632	0.620	2.48
66)	1,2-Diphenylhydra	0.726	0.787	0.868	0.852	0.840	0.875	0.825	6.97
67)S	2,4,6-Tribromophe	0.089	0.098	0.103	0.101	0.101	0.105	0.100	5.48
68)	4-Bromophenyl-phe	0.211	0.220	0.219	0.217	0.215	0.224	0.218	1.95
69)	Hexachlorobenzene	0.211	0.223	0.226	0.220	0.219	0.228	0.221	2.71
70)	Atrazine	0.171	0.184	0.211	0.200	0.206	0.207	0.196	8.00
71)C	Pentachlorophenol		0.096	0.121	0.125	0.127	0.137	0.121	12.48
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9971								
	Response Ratio = 0.00000 + 0.12997 *A								
72)	Phenanthrene	1.119	1.147	1.157	1.151	1.125	1.158	1.143	1.46
73)	Anthracene	1.098	1.156	1.186	1.186	1.153	1.189	1.161	3.00
74)	Carbazole	0.964	0.970	1.021	1.020	0.994	1.005	0.996	2.44
75)	Di-n-butylphthala	1.027	1.154	1.329	1.311	1.278	1.330	1.238	9.92
76)C	Fluoranthene	0.982	1.016	1.075	1.094	1.028	1.051	1.041	3.92
77) I	Chrysene-d12	----------ISTD----------							
78)	Benzidine	0.755	0.803	0.812	0.784	0.735	0.688	0.763	6.15
79)	Pyrene	1.536	1.632	1.661	1.587	1.628	1.654	1.617	2.91
80)S	Terphenyl-d14	0.908	0.990	1.011	0.969	0.987	1.017	0.980	4.01
81)	Butylbenzylphthal	0.558	0.662	0.723	0.730	0.724	0.762	0.693	10.64
82)	3,3'-Dichlorobenz	0.379	0.331	0.306	0.321	0.323	0.344	0.334	7.54
83)	Benzo[a]anthracen	1.188	1.249	1.293	1.288	1.273	1.321	1.269	3.63
84)	Chrysene	1.204	1.222	1.247	1.253	1.235	1.262	1.237	1.74
85)	bis(2-Ethylhexyl)	0.716	0.882	0.963	0.986	0.971	1.038	0.926	12.37
86) I	Perylene-d12	----------ISTD----------							
87)C	Di-n-octylphthala	1.266	1.608	1.792	1.796	1.780	1.877	1.686	13.28
88)	Benzo[b]fluoranth	1.109	1.207	1.312	1.347	1.303	1.318	1.266	7.15
89)	Benzo[k]fluoranth	1.260	1.331	1.368	1.353	1.306	1.377	1.333	3.29
90)C	Benzo[a]pyrene	1.059	1.171	1.238	1.263	1.217	1.272	1.203	6.59
91)	Indeno[1,2,3-cd]p	0.855	0.959	1.013	1.078	1.048	1.122	1.013	9.39
92)	Dibenz[a,h]anthra	0.837	0.977	1.033	1.132	1.116	1.164	1.043	11.74
93)	Benzo[g,h,i]peryl	0.997	1.082	1.125	1.184	1.169	1.211	1.128	6.98

(#) = Out of Range

8270C.M Fri Mar 11 14:05:15 2005

Initial Calibration Verification

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1258-ICV1258
Lab FileID: W024004.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\031005\W024004.D Vial: 8
Acq On : 10 Mar 2005 12:36 pm Operator: marke
Sample : icv1258-50 Inst : MSBNA01
Misc : op12599,sw1258,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Fri Mar 11 09:32:46 2005
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	107	0.00	4.93
2		1,4-Dioxane	50.000	55.793	-11.6	0	0.06	1.47
3		N-nitrosodimethylamine	50.000	49.366	1.3	0	0.05	2.21
4		Pyridine	50.000	50.799	-1.6	0	0.06	2.16
5		Benzaldehyde		----------NA----------				
6		Aniline	50.000	40.359	19.3	0	0.00	4.70
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	54.589	-9.2	0	0.00	4.75
9	S	Phenol-d5	-1.000	2.273	0.0	0	0.04	4.81
10	C	Phenol	50.000	53.098	-6.2	0	0.00	4.76
11		2-Chlorophenol	50.000	52.705	-5.4	0	0.00	4.81
12		1,3-Dichlorobenzene	50.000	51.882	-3.8	0	0.00	4.90
13	C	1,4-Dichlorobenzene	50.000	51.426	-2.9	0	0.00	4.95
14		1,2-Dichlorobenzene	50.000	52.797	-5.6	0	0.00	5.11
15		Benzyl alcohol	50.000	53.443	-6.9	0	0.00	5.09
16		bis(2-chloroisopropyl)eth	50.000	51.645	-3.3	0	0.00	5.21
17		2-Methylphenol	50.000	52.393	-4.8	0	0.00	5.23
18		Acetophenone	50.000	39.738	20.5#	0	0.00	5.30
19		Hexachloroethane	50.000	52.077	-4.2	0	0.00	5.37
20	P	N-Nitroso-di-n-propylamin	50.000	53.224	-6.4	0	0.00	5.32
21		3&4-Methylphenol	100.000	107.392	-7.4	0	0.00	5.36
22	I	Naphthalene-d8	40.000	40.000	0.0	110	0.00	6.11
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	50.722	-1.4	0	0.00	5.45
25		Isophorone	50.000	53.740	-7.5	0	0.00	5.67
26	C	2-Nitrophenol	50.000	55.071	-10.1	0	0.00	5.75
27		2,4-Dimethylphenol	50.000	53.577	-7.2	0	0.00	5.82
28		bis(2-Chloroethoxy)methan	50.000	51.508	-3.0	0	0.00	5.89
29		Benzoic Acid	100.000	87.796	12.2	0	0.00	5.97
30	C	2,4-Dichlorophenol	50.000	54.674	-9.3	0	0.00	6.01
31		1,2,4-Trichlorobenzene	50.000	51.512	-3.0	0	0.00	6.07
32		Naphthalene	50.000	52.133	-4.3	0	0.00	6.13
33		4-Chloroaniline	50.000	48.827	2.3	0	0.00	6.23
34		2,6-Dichlorophenol	50.000	51.301	-2.6	0	0.00	6.23
35	C	Hexachlorobutadiene	50.000	51.615	-3.2	0	0.00	6.32
36		Caprolactam	50.000	50.798	-1.6	0	0.00	6.59
37	C	4-Chloro-3-methylphenol	50.000	54.053	-8.1	0	0.00	6.81
38		2-Methylnaphthalene	50.000	52.675	-5.3	0	0.00	6.92
39		1-Methylnaphthalene	50.000	52.980	-6.0	0	0.00	7.06
40		1,2,4,5-Tetrachlorobenzen	50.000	50.653	-1.3	0	0.00	7.18

Initial Calibration Verification

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1258-ICV1258
Lab FileID: W024004.D

41	I	Acenaphthene-d10	40.000	40.000	0.0	112	0.00	8.39
42	P	Hexachlorocyclopentadiene	50.000	43.594	12.8	0	0.00	7.21
43	C	2,4,6-Trichlorophenol	50.000	53.040	-6.1	0	0.00	7.34
44		2,4,5-Trichlorophenol	50.000	52.675	-5.3	0	0.00	7.41
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	48.328	3.3	0	0.00	7.55
47		2-Chloronaphthalene	50.000	51.519	-3.0	0	0.00	7.56
48		2-Nitroaniline	50.000	52.930	-5.9	0	0.00	7.77
49		Acenaphthylene	50.000	51.553	-3.1	0	0.00	8.16
50		Dimethylphthalate	50.000	53.100	-6.2	0	0.00	8.09
51		2,6-Dinitrotoluene	50.000	51.695	-3.4	0	0.00	8.19
52	C	Acenaphthene	50.000	52.065	-4.1	0	0.00	8.44
53		3-Nitroaniline	50.000	51.564	-3.1	0	0.00	8.40
54	P	2,4-Dinitrophenol	100.000	115.963	-16.0	0	0.00	8.55
55		Dibenzofuran	50.000	50.773	-1.5	0	0.00	8.69
56		2,4-Dinitrotoluene	50.000	51.641	-3.3	0	0.00	8.79
57	P	4-Nitrophenol	100.000	108.671	-8.7	0	0.00	8.77
58		2,3,4,6-Tetrachlorophenol	50.000	52.955	-5.9	0	0.00	8.98
59		Fluorene	50.000	52.271	-4.5	0	0.00	9.25
60		4-Chlorophenyl-phenylethe	50.000	52.863	-5.7	0	0.00	9.28
61		Diethylphthalate	50.000	54.005	-8.0	0	0.00	9.23
62		4-Nitroaniline	50.000	48.974	2.1	0	0.00	9.40
63	I	Phenanthrene-d10	40.000	40.000	0.0	109	0.00	10.83
64		4,6-Dinitro-2-methylpheno	100.000	116.659	-16.7	0	0.00	9.45
65	C	n-Nitrosodiphenylamine	50.000	50.100	-0.2	0	0.00	9.50
66		1,2-Diphenylhydrazine	50.000	50.121	-0.2	0	0.00	9.54
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	52.309	-4.6	0	0.00	10.10
69		Hexachlorobenzene	50.000	52.387	-4.8	0	0.00	10.31
70		Atrazine	50.000	48.872	2.3	0	0.00	10.54
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	100.000	118.221	-18.2	0	0.00	10.66
		----------	Amount	Calc.	%Drift		----------	
72		Phenanthrene	50.000	52.450	-4.9	0	0.00	10.87
73		Anthracene	50.000	51.999	-4.0	0	0.00	10.96
74		Carbazole	50.000	49.807	0.4	0	0.00	11.30
75		Di-n-butylphthalate	50.000	54.392	-8.8	0	0.00	12.15
76	C	Fluoranthene	50.000	52.750	-5.5	0	0.00	13.03
77	I	Chrysene-d12	40.000	40.000	0.0	109	0.00	15.72
78		Benzidine		----------NA----------				
79		Pyrene	50.000	50.309	-0.6	0	0.00	13.42
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	54.061	-8.1	0	0.00	14.93
82		3,3'-Dichlorobenzidine	50.000	52.163	-4.3	0	0.00	15.77
83		Benzo[a]anthracene	50.000	52.278	-4.6	0	0.00	15.69
84		Chrysene	50.000	52.135	-4.3	0	0.00	15.77
85		bis(2-Ethylhexyl)phthalat	50.000	53.944	-7.9	0	0.00	16.14
86	I	Perylene-d12	40.000	40.000	0.0	105	0.00	18.22
87	C	Di-n-octylphthalate	50.000	59.594	-19.2	0	0.00	17.25
88		Benzo[b]fluoranthene	50.000	54.059	-8.1	0	0.00	17.61
89		Benzo[k]fluoranthene	50.000	52.090	-4.2	0	0.00	17.65
90	C	Benzo[a]pyrene	50.000	52.529	-5.1	0	0.00	18.12
91		Indeno[1,2,3-cd]pyrene	50.000	50.584	-1.2	0	0.00	19.80
92		Dibenz[a,h]anthracene	50.000	50.547	-1.1	0	0.00	19.84
93		Benzo[g,h,i]perylene	50.000	50.064	-0.1	0	0.00	20.13

Initial Calibration Verification

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1258-ICV1258
Lab FileID: W024004.D

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   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    W024004.D  8270C.M          Fri Mar 11 14:05:27 2005
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Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1262-CC1258
Lab FileID: W024081.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\031705\W024081.D Vial: 2
Acq On : 17 Mar 2005 10:56 am Operator: marke
Sample : cc1258-75 Inst : MSBNA01
Misc : op12705,sw1262,30.0,,,1,1,soil Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Fri Mar 18 10:55:15 2005
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	141	0.00	4.92
2		1,4-Dioxane	0.445	0.436	2.0	137	-0.04	1.37
3		N-nitrosodimethylamine	0.518	0.515	0.6	139	-0.03	2.13
4		Pyridine	1.148	1.200	-4.5	143	-0.03	2.07
5		Benzaldehyde	0.726	0.893	-23.0#	181	-0.01	4.56
6		Aniline	1.705	1.775	-4.1	143	-0.01	4.69
7	S	2-Fluorophenol	1.137	1.153	-1.4	140	-0.02	3.91
8		bis(2-Chloroethyl)ether	1.138	1.108	2.6	136	-0.01	4.73
9	S	Phenol-d5	1.380	1.392	-0.9	138	0.00	4.73
10	C	Phenol	1.470	1.480	-0.7	138	-0.02	4.74
11		2-Chlorophenol	1.298	1.324	-2.0	142	-0.01	4.79
12		1,3-Dichlorobenzene	1.473	1.487	-1.0	141	-0.01	4.88
13	C	1,4-Dichlorobenzene	1.543	1.540	0.2	139	-0.02	4.93
14		1,2-Dichlorobenzene	1.398	1.402	-0.3	141	-0.01	5.09
15		Benzyl alcohol	0.776	0.810	-4.4	141	-0.02	5.08
16		bis(2-chloroisopropyl)eth	1.748	1.781	-1.9	142	-0.01	5.19
17		2-Methylphenol	1.075	1.109	-3.2	141	-0.02	5.21
18		Acetophenone	1.624	1.629	-0.3	143	-0.01	5.29
19		Hexachloroethane	0.539	0.537	0.4	140	-0.01	5.35
20	P	N-Nitroso-di-n-propylamin	0.784	0.808	-3.1	142	0.00	5.32
21		3&4-Methylphenol	1.136	1.164	-2.5	139	-0.02	5.34
22	I	Naphthalene-d8	1.000	1.000	0.0	141	-0.01	6.10
23	S	Nitrobenzene-d5	0.336	0.336	0.0	140	-0.01	5.43
24		Nitrobenzene	0.327	0.322	1.5	136	-0.01	5.44
25		Isophorone	0.548	0.540	1.5	134	-0.01	5.66
26	C	2-Nitrophenol	0.195	0.200	-2.6	141	-0.01	5.74
27		2,4-Dimethylphenol	0.313	0.316	-1.0	141	-0.02	5.80
28		bis(2-Chloroethoxy)methan	0.369	0.361	2.2	137	-0.01	5.88
29		Benzoic Acid	0.244	0.261	-7.0	143	-0.01	5.96
30	C	2,4-Dichlorophenol	0.285	0.291	-2.1	141	-0.01	5.99
31		1,2,4-Trichlorobenzene	0.317	0.319	-0.6	141	0.00	6.06
32		Naphthalene	1.037	1.029	0.8	139	-0.01	6.12
33		4-Chloroaniline	0.415	0.420	-1.2	140	-0.02	6.21
34		2,6-Dichlorophenol	0.286	0.288	-0.7	142	-0.01	6.22
35	C	Hexachlorobutadiene	0.165	0.168	-1.8	142	-0.01	6.31
36		Caprolactam	0.089	0.085	4.5	126	0.00	6.59
37	C	4-Chloro-3-methylphenol	0.251	0.256	-2.0	139	-0.02	6.79
38		2-Methylnaphthalene	0.653	0.650	0.5	138	-0.01	6.91
39		1-Methylnaphthalene	0.621	0.622	-0.2	138	-0.01	7.04
40		1,2,4,5-Tetrachlorobenzen	0.298	0.301	-1.0	140	-0.01	7.17

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1262-CC1258
Lab FileID: W024081.D

41	I	Acenaphthene-d10	1.000	1.000	0.0	140	-0.02	8.38
42	P	Hexachlorocyclopentadiene	0.393	0.424	-7.9	148	-0.01	7.20
43	C	2,4,6-Trichlorophenol	0.398	0.412	-3.5	141	-0.02	7.32
44		2,4,5-Trichlorophenol	0.427	0.444	-4.0	142	-0.02	7.38
45	S	2-Fluorobiphenyl	1.490	1.490	0.0	140	-0.02	7.42
46		1,1'-Biphenyl	1.720	1.696	1.4	143	-0.02	7.53
47		2-Chloronaphthalene	1.272	1.281	-0.7	138	-0.02	7.54
48		2-Nitroaniline	0.312	0.317	-1.6	137	-0.02	7.75
49		Acenaphthylene	2.035	2.047	-0.6	140	-0.02	8.15
50		Dimethylphthalate	1.269	1.214	4.3	129	-0.02	8.08
51		2,6-Dinitrotoluene	0.308	0.306	0.6	135	-0.02	8.17
52	C	Acenaphthene	1.249	1.245	0.3	136	-0.01	8.43
53		3-Nitroaniline	0.334	0.339	-1.5	137	-0.02	8.38
54	P	2,4-Dinitrophenol	0.182	0.197	-8.2	141	-0.02	8.53
55		Dibenzofuran	1.663	1.652	0.7	137	-0.02	8.68
56		2,4-Dinitrotoluene	0.387	0.387	0.0	134	-0.02	8.78
57	P	4-Nitrophenol	0.137	0.139	-1.5	135	-0.03	8.73
58		2,3,4,6-Tetrachlorophenol	0.298	0.316	-6.0	139	-0.02	8.97
59		Fluorene	1.332	1.313	1.4	135	-0.02	9.23
60		4-Chlorophenyl-phenylethe	0.604	0.597	1.2	136	-0.02	9.26
61		Diethylphthalate	1.238	1.161	6.2	126	-0.02	9.22
62		4-Nitroaniline	0.305	0.310	-1.6	131	-0.02	9.39
63	I	Phenanthrene-d10	1.000	1.000	0.0	134	-0.02	10.81
64		4,6-Dinitro-2-methylpheno	0.153	0.159	-3.9	136	-0.02	9.44
65	C	n-Nitrosodiphenylamine	0.620	0.618	0.3	132	-0.02	9.49
66		1,2-Diphenylhydrazine	0.825	0.827	-0.2	130	-0.02	9.52
67	S	2,4,6-Tribromophenol	0.100	0.106	-6.0	141	-0.02	9.68
68		4-Bromophenyl-phenylether	0.218	0.222	-1.8	137	-0.02	10.08
69		Hexachlorobenzene	0.221	0.224	-1.4	137	-0.02	10.29
70		Atrazine	0.196	0.188	4.1	127	-0.02	10.52
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	75.000	78.212	-4.3	146	-0.03	10.64
		----------	AvgRF	CCRF	%Dev		----------	
72		Phenanthrene	1.143	1.128	1.3	132	-0.02	10.86
73		Anthracene	1.161	1.144	1.5	130	-0.02	10.94
74		Carbazole	0.996	0.991	0.5	131	-0.03	11.28
75		Di-n-butylphthalate	1.238	1.206	2.6	124	-0.02	12.14
76	C	Fluoranthene	1.041	1.047	-0.6	129	-0.02	13.01
77	I	Chrysene-d12	1.000	1.000	0.0	128	-0.02	15.71
78		Benzidine	0.763	0.888	-16.4	145	-0.02	13.36
79		Pyrene	1.617	1.591	1.6	128	-0.02	13.41
80	S	Terphenyl-d14	0.980	0.971	0.9	128	-0.02	13.83
81		Butylbenzylphthalate	0.693	0.726	-4.8	127	-0.02	14.91
82		3,3'-Dichlorobenzidine	0.334	0.363	-8.7	145	-0.02	15.75
83		Benzo[a]anthracene	1.269	1.311	-3.3	130	-0.02	15.68
84		Chrysene	1.237	1.235	0.2	126	-0.02	15.75
85		bis(2-Ethylhexyl)phthalat	0.926	0.991	-7.0	128	-0.02	16.12
86	I	Perylene-d12	1.000	1.000	0.0	127	-0.02	18.20
87	C	Di-n-octylphthalate	1.686	1.876	-11.3	132	-0.02	17.23
88		Benzo[b]fluoranthene	1.266	1.326	-4.7	125	-0.02	17.60
89		Benzo[k]fluoranthene	1.333	1.341	-0.6	126	-0.02	17.64
90	C	Benzo[a]pyrene	1.203	1.231	-2.3	123	-0.02	18.11
91		Indeno[1,2,3-cd]pyrene	1.013	1.050	-3.7	123	-0.02	19.78
92		Dibenz[a,h]anthracene	1.043	1.081	-3.6	121	-0.02	19.83
93		Benzo[g,h,i]perylene	1.128	1.104	2.1	118	-0.02	20.12

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1262-CC1258
Lab FileID: W024081.D

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   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    W024001.D  8270C.M          Fri Mar 18 13:25:16 2005
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Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1263-CC1258
Lab FileID: W024127.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\031805\W024127.D Vial: 2
Acq On : 18 Mar 2005 11:41 am Operator: marke
Sample : cc1258-50 Inst : MSBNA01
Misc : op12691,sw1263,1050,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Fri Mar 18 10:55:15 2005
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	118	-0.01	4.91
2		1,4-Dioxane	0.445	0.449	-0.9	118	-0.03	1.38
3		N-nitrosodimethylamine	0.518	0.498	3.9	112	-0.03	2.12
4		Pyridine	1.148	1.151	-0.3	119	-0.02	2.08
5		Benzaldehyde	0.726	1.054	-45.2#	135	-0.02	4.56
6		Aniline	1.705	1.770	-3.8	118	-0.01	4.69
7	S	2-Fluorophenol	1.137	1.169	-2.8	119	-0.03	3.90
8		bis(2-Chloroethyl)ether	1.138	1.127	1.0	114	-0.02	4.73
9	S	Phenol-d5	1.380	1.412	-2.3	118	-0.01	4.72
10	C	Phenol	1.470	1.479	-0.6	116	-0.03	4.73
11		2-Chlorophenol	1.298	1.319	-1.6	118	-0.02	4.78
12		1,3-Dichlorobenzene	1.473	1.499	-1.8	117	-0.01	4.88
13	C	1,4-Dichlorobenzene	1.543	1.560	-1.1	118	-0.02	4.92
14		1,2-Dichlorobenzene	1.398	1.426	-2.0	117	-0.02	5.08
15		Benzyl alcohol	0.776	0.804	-3.6	117	-0.02	5.07
16		bis(2-chloroisopropyl)eth	1.748	1.656	5.3	109	-0.02	5.19
17		2-Methylphenol	1.075	1.107	-3.0	117	-0.02	5.21
18		Acetophenone	1.624	1.716	-5.7	118	-0.01	5.29
19		Hexachloroethane	0.539	0.538	0.2	116	-0.02	5.35
20	P	N-Nitroso-di-n-propylamin	0.784	0.797	-1.7	118	-0.01	5.32
21		3&4-Methylphenol	1.136	1.173	-3.3	119	-0.03	5.33
22	I	Naphthalene-d8	1.000	1.000	0.0	117	-0.02	6.09
23	S	Nitrobenzene-d5	0.336	0.343	-2.1	116	-0.02	5.43
24		Nitrobenzene	0.327	0.332	-1.5	116	-0.01	5.44
25		Isophorone	0.548	0.573	-4.6	118	-0.02	5.66
26	C	2-Nitrophenol	0.195	0.211	-8.2	122	-0.02	5.74
27		2,4-Dimethylphenol	0.313	0.327	-4.5	119	-0.02	5.79
28		bis(2-Chloroethoxy)methan	0.369	0.369	0.0	114	-0.02	5.87
29		Benzoic Acid	0.244	0.268	-9.8	126	-0.03	5.94
30	C	2,4-Dichlorophenol	0.285	0.303	-6.3	120	-0.02	5.99
31		1,2,4-Trichlorobenzene	0.317	0.332	-4.7	120	-0.02	6.05
32		Naphthalene	1.037	1.065	-2.7	117	-0.02	6.12
33		4-Chloroaniline	0.415	0.437	-5.3	120	-0.02	6.21
34		2,6-Dichlorophenol	0.286	0.302	-5.6	121	-0.02	6.22
35	C	Hexachlorobutadiene	0.165	0.171	-3.6	119	-0.02	6.31
36		Caprolactam	0.089	0.108	-21.3#	129	-0.02	6.57
37	C	4-Chloro-3-methylphenol	0.251	0.268	-6.8	122	-0.03	6.78
38		2-Methylnaphthalene	0.653	0.685	-4.9	119	-0.01	6.91
39		1-Methylnaphthalene	0.621	0.649	-4.5	120	-0.02	7.04
40		1,2,4,5-Tetrachlorobenzen	0.298	0.320	-7.4	124	-0.02	7.17

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1263-CC1258
Lab FileID: W024127.D

41	I	Acenaphthene-d10	1.000	1.000	0.0	123	-0.02	8.37
42	P	Hexachlorocyclopentadiene	0.393	0.406	-3.3	123	-0.02	7.19
43	C	2,4,6-Trichlorophenol	0.398	0.419	-5.3	125	-0.02	7.32
44		2,4,5-Trichlorophenol	0.427	0.444	-4.0	123	-0.03	7.38
45	S	2-Fluorobiphenyl	1.490	1.527	-2.5	124	-0.02	7.41
46		1,1'-Biphenyl	1.720	1.808	-5.1	123	-0.02	7.53
47		2-Chloronaphthalene	1.272	1.294	-1.7	123	-0.02	7.54
48		2-Nitroaniline	0.312	0.318	-1.9	121	-0.02	7.75
49		Acenaphthylene	2.035	2.062	-1.3	120	-0.02	8.14
50		Dimethylphthalate	1.269	1.318	-3.9	122	-0.02	8.08
51		2,6-Dinitrotoluene	0.308	0.326	-5.8	127	-0.02	8.17
52	C	Acenaphthene	1.249	1.266	-1.4	122	-0.02	8.42
53		3-Nitroaniline	0.334	0.355	-6.3	126	-0.03	8.37
54	P	2,4-Dinitrophenol	0.182	0.192	-5.5	130	-0.03	8.52
55		Dibenzofuran	1.663	1.717	-3.2	124	-0.02	8.67
56		2,4-Dinitrotoluene	0.387	0.422	-9.0	129	-0.02	8.77
57	P	4-Nitrophenol	0.137	0.142	-3.6	127	-0.05	8.72
58		2,3,4,6-Tetrachlorophenol	0.298	0.332	-11.4	131	-0.03	8.96
59		Fluorene	1.332	1.395	-4.7	127	-0.02	9.22
60		4-Chlorophenyl-phenylethe	0.604	0.621	-2.8	124	-0.02	9.26
61		Diethylphthalate	1.238	1.323	-6.9	126	-0.02	9.21
62		4-Nitroaniline	0.305	0.334	-9.5	129	-0.04	9.37
63	I	Phenanthrene-d10	1.000	1.000	0.0	127	-0.03	10.81
64		4,6-Dinitro-2-methylpheno	0.153	0.161	-5.2	132	-0.02	9.43
65	C	n-Nitrosodiphenylamine	0.620	0.627	-1.1	126	-0.03	9.48
66		1,2-Diphenylhydrazine	0.825	0.740	10.3	108	-0.02	9.52
67	S	2,4,6-Tribromophenol	0.100	0.104	-4.0	129	-0.03	9.67
68		4-Bromophenyl-phenylether	0.218	0.222	-1.8	128	-0.03	10.07
69		Hexachlorobenzene	0.221	0.226	-2.3	127	-0.02	10.29
70		Atrazine	0.196	0.222	-13.3	133	-0.03	10.51
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	50.000	47.275	5.5	128	-0.03	10.63
		----------	AvgRF	CCRF	%Dev		----------	
72		Phenanthrene	1.143	1.183	-3.5	130	-0.03	10.85
73		Anthracene	1.161	1.203	-3.6	129	-0.03	10.93
74		Carbazole	0.996	1.067	-7.1	132	-0.03	11.27
75		Di-n-butylphthalate	1.238	1.332	-7.6	127	-0.03	12.13
76	C	Fluoranthene	1.041	1.105	-6.1	130	-0.03	13.01
77	I	Chrysene-d12	1.000	1.000	0.0	126	-0.03	15.70
78		Benzidine	0.763	0.927	-21.5#	143	-0.03	13.35
79		Pyrene	1.617	1.683	-4.1	127	-0.03	13.40
80	S	Terphenyl-d14	0.980	1.017	-3.8	127	-0.02	13.83
81		Butylbenzylphthalate	0.693	0.773	-11.5	134	-0.03	14.91
82		3,3'-Dichlorobenzidine	0.334	0.398	-19.2	164	-0.03	15.75
83		Benzo[a]anthracene	1.269	1.357	-6.9	132	-0.03	15.67
84		Chrysene	1.237	1.298	-4.9	131	-0.03	15.75
85		bis(2-Ethylhexyl)phthalat	0.926	1.031	-11.3	135	-0.03	16.11
86	I	Perylene-d12	1.000	1.000	0.0	131	-0.03	18.19
87	C	Di-n-octylphthalate	1.686	1.940	-15.1	142	-0.03	17.22
88		Benzo[b]fluoranthene	1.266	1.360	-7.4	136	-0.03	17.58
89		Benzo[k]fluoranthene	1.333	1.363	-2.3	131	-0.03	17.63
90	C	Benzo[a]pyrene	1.203	1.247	-3.7	132	-0.03	18.10
91		Indeno[1,2,3-cd]pyrene	1.013	1.045	-3.2	135	-0.03	19.77
92		Dibenz[a,h]anthracene	1.043	1.096	-5.1	139	-0.03	19.82
93		Benzo[g,h,i]perylene	1.128	1.119	0.8	131	-0.03	20.11

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SW1263-CC1258
Lab FileID: W024127.D

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   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    W024000.D  8270C.M          Tue Mar 22 11:29:12 2005
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GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2408-MB	CD058508.D	1	03/14/05	AJ	n/a	n/a	GCD2408

The QC reported here applies to the following samples: **Method:** EPA 601/602

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	59-129%
98-08-8	aaa-Trifluorotoluene	98%	73-122%

Method Blank Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2411-MB	CD058588.D	1	03/15/05	AJ	n/a	n/a	GCD2411

The QC reported here applies to the following samples: **Method:** EPA 601/602

F30291-9, F30291-10, F30291-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	59-129%
98-08-8	aaa-Trifluorotoluene	97%	73-122%

Method Blank Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2414-MB	CD058648.D	1	03/17/05	AJ	n/a	n/a	GCD2414

The QC reported here applies to the following samples: **Method:** EPA 601/602

F30291-10, F30291-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	59-129%
98-08-8	aaa-Trifluorotoluene	95%	73-122%

Blank Spike Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2408-BS	CD058507.D	1	03/14/05	AJ	n/a	n/a	GCD2408

The QC reported here applies to the following samples: **Method:** EPA 601/602

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	18.7	94	86-121
108-90-7	Chlorobenzene	20	20.1	101	81-119
95-50-1	1,2-Dichlorobenzene	20	20.0	100	75-120
541-73-1	1,3-Dichlorobenzene	20	20.2	101	77-121
106-46-7	1,4-Dichlorobenzene	20	18.7	94	75-122
100-41-4	Ethylbenzene	20	19.0	95	81-126
1634-04-4	Methyl Tert Butyl Ether	20	17.6	88	76-117
108-88-3	Toluene	20	18.6	93	82-123
1330-20-7	Xylenes (total)	60	56.6	94	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	59-129%
98-08-8	aaa-Trifluorotoluene	100%	73-122%

Blank Spike Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2411-BS	CD058587.D	1	03/15/05	AJ	n/a	n/a	GCD2411

The QC reported here applies to the following samples: **Method:** EPA 601/602

F30291-9, F30291-10, F30291-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	17.3	87	86-121
108-90-7	Chlorobenzene	20	19.7	99	81-119
95-50-1	1,2-Dichlorobenzene	20	20.5	103	75-120
541-73-1	1,3-Dichlorobenzene	20	20.2	101	77-121
106-46-7	1,4-Dichlorobenzene	20	18.8	94	75-122
100-41-4	Ethylbenzene	20	18.8	94	81-126
1634-04-4	Methyl Tert Butyl Ether	20	16.5	83	76-117
108-88-3	Toluene	20	17.7	89	82-123
1330-20-7	Xylenes (total)	60	55.3	92	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	99%	59-129%
98-08-8	aaa-Trifluorotoluene	99%	73-122%

Blank Spike Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2414-BS	CD058647.D	1	03/17/05	AJ	n/a	n/a	GCD2414

The QC reported here applies to the following samples: **Method:** EPA 601/602

F30291-10, F30291-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	18.2	91	86-121
108-90-7	Chlorobenzene	20	19.2	96	81-119
95-50-1	1,2-Dichlorobenzene	20	19.1	96	75-120
541-73-1	1,3-Dichlorobenzene	20	19.1	96	77-121
106-46-7	1,4-Dichlorobenzene	20	17.8	89	75-122
100-41-4	Ethylbenzene	20	18.3	92	81-126
1634-04-4	Methyl Tert Butyl Ether	20	17.3	87	76-117
108-88-3	Toluene	20	17.7	89	82-123
1330-20-7	Xylenes (total)	60	53.6	89	82-125

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	59-129%
98-08-8	aaa-Trifluorotoluene	97%	73-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F30268-2MS	CD058515.D	1	03/14/05	AJ	n/a	n/a	GCD2408
F30268-2MSD	CD058516.D	1	03/14/05	AJ	n/a	n/a	GCD2408
F30268-2 [a]	CD058513.D	1	03/14/05	AJ	n/a	n/a	GCD2408

The QC reported here applies to the following samples: **Method:** EPA 601/602

F30291-1, F30291-2, F30291-3, F30291-4, F30291-5, F30291-6, F30291-7, F30291-8

CAS No.	Compound	F30268-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	17.3	87	16.8	84	3	77-125/6
108-90-7	Chlorobenzene	ND		20	18.9	95	18.3	92	3	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		20	19.8	99	19.4	97	2	69-125/7
541-73-1	1,3-Dichlorobenzene	3.7		20	19.6	80	19.3	78	2	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		20	19.9	100	19.4	97	3	67-129/7
100-41-4	Ethylbenzene	12.2		20	26.6	72*	25.5	67*	4	74-127/6
1634-04-4	Methyl Tert Butyl Ether	ND		20	16.8	84	16.7	84	1	66-127/9
108-88-3	Toluene	ND		20	17.9	90	17.3	87	3	77-124/5
1330-20-7	Xylenes (total)	2.6	J	60	54.3	86	51.8	82	5	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F30268-2	Limits
460-00-4	4-Bromofluorobenzene	101%	99%	97%	59-129%
98-08-8	aaa-Trifluorotoluene	109%	108%	108%	73-122%

(a) All hits confirmed by dual column analysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F30351-2MS	CD058601.D	1	03/16/05	AJ	n/a	n/a	GCD2411
F30351-2MSD	CD058602.D	1	03/16/05	AJ	n/a	n/a	GCD2411
F30351-2 [a]	CD058600.D	1	03/16/05	AJ	n/a	n/a	GCD2411

The QC reported here applies to the following samples: **Method:** EPA 601/602

F30291-9, F30291-10, F30291-12

CAS No.	Compound	F30351-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0	U	20	16.5	83	16.5	83	0	77-125/6
108-90-7	Chlorobenzene	1.0	U	20	18.7	94	18.5	93	1	78-120/8
95-50-1	1,2-Dichlorobenzene	1.0	U	20	19.2	96	19.2	96	0	69-125/7
541-73-1	1,3-Dichlorobenzene	1.0	U	20	18.9	95	18.8	94	1	71-126/7
106-46-7	1,4-Dichlorobenzene	1.0	U	20	17.5	88	17.3	87	1	67-129/7
100-41-4	Ethylbenzene	1.0	U	20	17.5	88	17.5	88	0	74-127/6
1634-04-4	Methyl Tert Butyl Ether	59.7		20	75.2	78	72.4	64* [b]	4	66-127/9
108-88-3	Toluene	1.0	U	20	16.7	84	16.6	83	1	77-124/5
1330-20-7	Xylenes (total)	3.0	U	60	51.8	86	51.6	86	0	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F30351-2	Limits
460-00-4	4-Bromofluorobenzene	98%	97%	92%	59-129%
98-08-8	aaa-Trifluorotoluene	98%	98%	96%	73-122%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F30291-10MS	CD058652.D	10	03/17/05	AJ	n/a	n/a	GCD2414
F30291-10MSD	CD058653.D	10	03/17/05	AJ	n/a	n/a	GCD2414
F30291-10 [a]	CD058650.D	10	03/17/05	AJ	n/a	n/a	GCD2414

The QC reported here applies to the following samples: **Method:** EPA 601/602

F30291-10, F30291-11

CAS No.	Compound	F30291-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	110		200	275	83	271	81	1	77-125/6
108-90-7	Chlorobenzene	ND		200	196	98	192	96	2	78-120/8
95-50-1	1,2-Dichlorobenzene	ND		200	191	96	190	95	1	69-125/7
541-73-1	1,3-Dichlorobenzene	ND		200	192	96	191	96	1	71-126/7
106-46-7	1,4-Dichlorobenzene	ND		200	178	89	177	89	1	67-129/7
100-41-4	Ethylbenzene	320		200	461	71*	453	67*	2	74-127/6
1634-04-4	Methyl Tert Butyl Ether	34.5		200	199	59*	199	59*	0	66-127/9
108-88-3	Toluene	788		200	862	37* [b]	851	32* [b]	1	77-124/5
1330-20-7	Xylenes (total)	735		600	1180	74*	1170	73*	1	76-125/5

CAS No.	Surrogate Recoveries	MS	MSD	F30291-10	Limits
460-00-4	4-Bromofluorobenzene	101%	102%	98%	59-129%
98-08-8	aaa-Trifluorotoluene	99%	98%	98%	73-122%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to high level in sample relative to spike amount.

Volatile Surrogate Recovery Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F30291-1	CD058524.D	91.0	95.0
F30291-2	CD058525.D	94.0	100.0
F30291-3	CD058526.D	94.0	97.0
F30291-4	CD058527.D	95.0	98.0
F30291-5	CD058529.D	100.0	117.0
F30291-6	CD058530.D	94.0	94.0
F30291-7	CD058531.D	94.0	97.0
F30291-8	CD058532.D	93.0	95.0
F30291-9	CD058595.D	94.0	96.0
F30291-10	CD058650.D	98.0	98.0
F30291-10	CD058596.D	103.0	109.0
F30291-11	CD058651.D	94.0	95.0
F30291-12	CD058598.D	92.0	95.0
F30268-2MS	CD058515.D	101.0	109.0
F30268-2MSD	CD058516.D	99.0	108.0
F30291-10MS	CD058652.D	101.0	99.0
F30291-10MSD	CD058653.D	102.0	98.0
F30351-2MS	CD058601.D	98.0	98.0
F30351-2MSD	CD058602.D	97.0	98.0
GCD2408-BS	CD058507.D	100.0	100.0
GCD2408-MB	CD058508.D	95.0	98.0
GCD2411-BS	CD058587.D	99.0	99.0
GCD2411-MB	CD058588.D	93.0	97.0
GCD2414-BS	CD058647.D	100.0	97.0
GCD2414-MB	CD058648.D	95.0	95.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	59-129%
S2 = aaa-Trifluorotoluene	73-122%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2408-CC2404	**Injection Date:**	03/14/05
Lab File ID:	CD058506.D	**Injection Time:**	10:21
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.38	4.99

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GCD2408-BS	CD058507.D	03/14/05	10:58	10.37	4.99
GCD2408-MB	CD058508.D	03/14/05	11:22	10.37	5.00
ZZZZZZ	CD058509.D	03/14/05	11:47	10.37	4.99
ZZZZZZ	CD058510.D	03/14/05	12:11	10.38	5.00
ZZZZZZ	CD058511.D	03/14/05	12:36	10.37	4.99
ZZZZZZ	CD058512.D	03/14/05	13:00	10.38	5.00
F30268-2	CD058513.D	03/14/05	13:24	10.37	5.00
F30268-2MS	CD058515.D	03/14/05	15:07	10.39	5.01
F30268-2MSD	CD058516.D	03/14/05	15:32	10.38	5.00

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2408-CC2404	**Injection Date:**	03/14/05
Lab File ID:	CD058517.D	**Injection Time:**	15:56
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.38	5.00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	CD058518.D	03/14/05	16:20	10.38	5.01
ZZZZZZ	CD058519.D	03/14/05	16:44	10.39	5.00
ZZZZZZ	CD058520.D	03/14/05	17:09	10.38	5.00
ZZZZZZ	CD058521.D	03/14/05	17:33	10.39	5.01
ZZZZZZ	CD058523.D	03/14/05	18:21	10.38	5.00
F30291-1	CD058524.D	03/14/05	18:46	10.39	5.00
F30291-2	CD058525.D	03/14/05	19:10	10.39	5.01
F30291-3	CD058526.D	03/14/05	19:35	10.39	5.01
F30291-4	CD058527.D	03/14/05	19:59	10.38	5.00

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2408-CC2404	**Injection Date:**	03/14/05
Lab File ID:	CD058528.D	**Injection Time:**	20:23
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.38	5.01

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F30291-5	CD058529.D	03/14/05	20:47	10.39	5.00
F30291-6	CD058530.D	03/14/05	21:12	10.38	5.01
F30291-7	CD058531.D	03/14/05	21:36	10.38	5.00
F30291-8	CD058532.D	03/14/05	22:00	10.39	5.00
GCD2409-BS	CD058533.D	03/14/05	22:25	10.39	5.00
GCD2409-MB	CD058534.D	03/14/05	22:49	10.39	5.01
ZZZZZZ	CD058535.D	03/14/05	23:13	10.38	5.00
ZZZZZZ	CD058536.D	03/14/05	23:38	10.39	5.00
ZZZZZZ	CD058537.D	03/15/05	00:02	10.38	5.01
ZZZZZZ	CD058538.D	03/15/05	00:26	10.38	5.00

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2411-CC2404	**Injection Date:**	03/16/05
Lab File ID:	CD058593.D	**Injection Time:**	00:42
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.90	10.39	5.94	5.00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	CD058594.D	03/16/05	01:06		10.39		5.01
F30291-9	CD058595.D	03/16/05	01:30		10.39		5.01
F30291-10	CD058596.D	03/16/05	01:54		10.38		5.01
F30291-12	CD058598.D	03/16/05	02:43		10.38		5.01
ZZZZZZ	CD058599.D	03/16/05	03:07		10.38		5.00
F30351-2	CD058600.D	03/16/05	03:31		10.38		5.00
F30351-2MS	CD058601.D	03/16/05	03:56		10.38		5.00
F30351-2MSD	CD058602.D	03/16/05	04:20		10.38		5.01
GCD2411-ECC2404	CD058604.D	03/16/05	05:09	10.90	10.39	5.94	5.01

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2414-CC2404	**Injection Date:**	03/17/05
Lab File ID:	CD058646.D	**Injection Time:**	09:52
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.39	4.99

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GCD2414-BS	CD058647.D	03/17/05	10:31	10.39	4.99
GCD2414-MB	CD058648.D	03/17/05	10:55	10.39	5.00
ZZZZZZ	CD058649.D	03/17/05	11:20	10.38	5.00
F30291-10	CD058650.D	03/17/05	11:44	10.38	5.00
F30291-11	CD058651.D	03/17/05	12:08	10.38	5.00
F30291-10MS	CD058652.D	03/17/05	12:32	10.38	5.00
F30291-10MSD	CD058653.D	03/17/05	12:56	10.39	5.00

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2410-CC2404	**Injection Date:**	03/15/05
Lab File ID:	CD058586.D	**Injection Time:**	21:53
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.39	5.00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GCD2411-BS	CD058587.D	03/15/05	22:17	10.40	5.01
GCD2411-MB	CD058588.D	03/15/05	22:41	10.39	5.01
ZZZZZZ	CD058589.D	03/15/05	23:05	10.39	5.00
ZZZZZZ	CD058590.D	03/15/05	23:30	10.39	5.01
ZZZZZZ	CD058591.D	03/15/05	23:54	10.39	5.00
ZZZZZZ	CD058592.D	03/16/05	00:18	10.38	5.01

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2404-ICC2404
Lab FileID: CD058414.D

Response Factor Report VOA2

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Initial Calibration

Calibration Files
1 =CD058417.D 2 =CD058412.D 3 =CD058413.D 4 =CD058414.D
5 =CD058415.D 6 =CD058416.D

		Compound	1	2	3	4	5	6	Avg		%RSD
1)		Methyl tert Butyl E	8.332	7.202	7.283	7.319	7.320	7.221	7.446	E2	5.87
2)		Di-Isopropyl ether	1.223	1.120	1.195	1.183	1.216	1.189	1.188	E3	3.09
3)		BENZENE	3.319	3.015	3.078	3.010	3.130	3.081	3.105	E3	3.66
4)	S	a,a,a-TFT(S)	1.069	1.082	1.097	1.104	1.108	1.120	1.097	E3	1.68
5)		TOLUENE	3.625	3.177	3.044	2.957	3.089	3.032	3.154	E3	7.66
6)		CHLOROBENZENE	3.306	2.897	3.102	3.066	3.200	3.160	3.122	E3	4.43
7)		ETHYLBENZENE	2.957	2.613	2.718	2.676	2.774	2.723	2.744	E3	4.28
8)		m,p-XYLENE	3.364	2.931	2.973	2.933	3.045	2.985	3.039	E3	5.42
9)		o-XYLENE	2.945	2.682	2.767	2.726	2.807	2.769	2.783	E3	3.25
10)	S	BFB(S)	2.973	2.969	3.113	3.163	3.238	3.275	3.122	E3	4.16
11)		1,3-DICHLOROBENZENE	2.926	2.476	2.715	2.708	2.808	2.758	2.732	E3	5.44
12)		1,4-DICHLOROBENZENE	3.236	2.720	2.931	2.964	3.080	3.068	3.000	E3	5.80
13)		1,2-DICHLOROBENZENE	2.293	1.957	2.137	2.121	2.220	2.144	2.145	E3	5.26

Signal #2

1)		Methyl tert Butyl E	8.147	7.393	7.327	7.341	7.285	7.137	7.438	E2	4.81
2)		Di-Isopropyl ether	1.157	1.098	1.172	1.150	1.166	1.121	1.144	E3	2.52
3)		BENZENE	3.435	3.098	3.141	3.011	3.128	3.066	3.146	E3	4.73
4)	S	a,a,a-TFT(S)	1.035	1.055	1.062	1.073	1.085	1.084	1.066	E3	1.79
5)		TOLUENE	3.884	3.358	3.221	3.055	3.179	3.121	3.303	E3	9.15
6)		CHLOROBENZENE	3.615	3.160	3.354	3.287	3.378	3.328	3.354	E3	4.46
7)		ETHYLBENZENE	3.318	2.901	2.950	2.842	2.942	2.901	2.976	E3	5.79
8)		m,p-XYLENE	3.580	3.189	3.127	3.091	3.220	3.168	3.229	E3	5.51
9)		o-XYLENE	3.276	2.866	2.950	2.861	2.930	2.870	2.959	E3	5.40
10)	S	BFB(S)	3.306	3.349	3.440	3.457	3.563	3.597	3.452	E3	3.31
11)		1,3-DICHLOROBENZENE	3.270	2.767	2.958	2.933	3.052	3.005	2.998	E3	5.50
12)		1,4-DICHLOROBENZENE	3.597	3.014	3.230	3.218	3.372	3.312	3.291	E3	5.87
13)		1,2-DICHLOROBENZENE	2.482	2.152	2.330	2.310	2.415	2.342	2.338	E3	4.77

(#) = Out of Range

GCD0309.M Thu Mar 10 10:58:26 2005

Initial Calibration Verification

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2404-ICV2404
Lab FileID: CD058418.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\030905\CD058418.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\030905\CD058418.D\FID2B.CH
Acq On : 9 Mar 2005 4:05 pm Operator: albertj
Sample : ICV2404-20 Inst : VOA2
Misc : gc4649,gcd2404,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.858	5.7	96	0.00	2.90- 3.30
2		Di-Isopropyl ether	20.000	20.992	-5.0	104	0.00	3.44- 3.74
3		BENZENE	20.000	18.696	6.5	94	0.00	4.75- 5.05
4	S	a,a,a-TFT(S)	20.000	20.062	-0.3	100	0.00	5.79- 6.09
5		TOLUENE	20.000	17.977	10.1	93	0.00	7.20- 7.50
6		CHLOROBENZENE	20.000	19.563	2.2	98	0.00	9.01- 9.31
7		ETHYLBENZENE	20.000	18.500	7.5	93	0.00	9.36- 9.66
8		m,p-XYLENE	40.000	36.686	8.3	94	0.00	9.66- 9.96
9		o-XYLENE	20.000	18.357	8.2	92	0.00	10.19-10.49
10	S	BFB(S)	20.000	20.022	-0.1	100	0.00	10.75-11.05
11		1,3-DICHLOROBENZENE	20.000	19.531	2.3	98	0.00	12.65-12.85
12		1,4-DICHLOROBENZENE	20.000	17.890	10.5	92	0.00	12.77-12.97
13		1,2-DICHLOROBENZENE	20.000	19.060	4.7	96	-0.01	13.23-13.53

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	18.892	5.5	96	0.00	2.38- 2.78
2		Di-Isopropyl ether	20.000	21.046	-5.2	103	0.00	2.94- 3.24
3		BENZENE	20.000	18.639	6.8	93	0.00	4.12- 4.42
4	S	a,a,a-TFT(S)	20.000	20.005	-0.0	100	0.00	4.85- 5.15
5		TOLUENE	20.000	17.896	10.5	92	0.00	6.64- 6.94
6		CHLOROBENZENE	20.000	19.410	2.9	97	0.00	8.47- 8.77
7		ETHYLBENZENE	20.000	18.230	8.8	92	0.00	8.92- 9.22
8		m,p-XYLENE	40.000	35.871	10.3	93	0.00	9.22- 9.52
9		o-XYLENE	20.000	18.221	8.9	91	0.00	9.76-10.06
10	S	BFB(S)	20.000	19.794	1.0	99	0.00	10.22-10.52
11		1,3-DICHLOROBENZENE	20.000	19.300	3.5	98	0.00	12.37-12.57
12		1,4-DICHLOROBENZENE	20.000	17.804	11.0	91	-0.01	12.45-12.65
13		1,2-DICHLOROBENZENE	20.000	19.042	4.8	96	-0.01	12.91-13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD058413.D GCD0309.M Thu Mar 10 10:58:11 2005

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2408-CC2404
Lab FileID: CD058506.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031405\CD058506.D\FID1A.CH Vial: 39
Signal #2 : C:\HPCHEM\1\DATA\031405\CD058506.D\FID2B.CH
Acq On : 14 Mar 2005 10:21 am Operator: albertj
Sample : CC2404-40 Inst : VOA2
Misc : gc4670,gcd2408,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	35.848	10.4	91	-0.02	2.90- 3.30
2		Di-Isopropyl ether	40.000	39.010	2.5	98	-0.02	3.44- 3.74
3		BENZENE	40.000	38.585	3.5	100	-0.03	4.75- 5.05
4	S	a,a,a-TFT(S)	20.000	20.492	-2.5	102	-0.02	5.79- 6.09
5		TOLUENE	40.000	38.170	4.6	102	-0.03	7.20- 7.50
6		CHLOROBENZENE	40.000	39.955	0.1	102	-0.01	9.01- 9.31
7		ETHYLBENZENE	40.000	39.267	1.8	101	-0.01	9.36- 9.66
8		m,p-XYLENE	80.000	78.856	1.4	102	-0.01	9.66- 9.96
9		o-XYLENE	40.000	39.436	1.4	101	-0.01	10.19-10.49
10	S	BFB(S)	20.000	20.430	-2.1	101	-0.01	10.75-11.05
11		1,3-DICHLOROBENZENE	40.000	40.011	-0.0	101	-0.02	12.65-12.85
12		1,4-DICHLOROBENZENE	40.000	40.107	-0.3	101	-0.02	12.77-12.97
13		1,2-DICHLOROBENZENE	40.000	39.623	0.9	100	-0.02	13.23-13.53

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	36.354	9.1	92	0.00	2.38- 2.78
2		Di-Isopropyl ether	40.000	39.809	0.5	99	0.00	2.94- 3.24
3		BENZENE	40.000	38.376	4.1	100	0.00	4.12- 4.42
4	S	a,a,a-TFT(S)	20.000	20.385	-1.9	101	0.00	4.85- 5.15
5		TOLUENE	40.000	37.729	5.7	102	0.00	6.64- 6.94
6		CHLOROBENZENE	40.000	39.293	1.8	100	0.00	8.47- 8.77
7		ETHYLBENZENE	40.000	38.838	2.9	102	0.00	8.92- 9.22
8		m,p-XYLENE	80.000	77.612	3.0	101	0.00	9.22- 9.52
9		o-XYLENE	40.000	39.455	1.4	102	0.00	9.76-10.06
10	S	BFB(S)	20.000	20.456	-2.3	102	0.00	10.22-10.52
11		1,3-DICHLOROBENZENE	40.000	39.940	0.2	102	0.00	12.37-12.57
12		1,4-DICHLOROBENZENE	40.000	40.103	-0.3	103	0.00	12.45-12.65
13		1,2-DICHLOROBENZENE	40.000	40.216	-0.5	102	0.00	12.91-13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD058414.D GCD0309.M Tue Mar 15 09:46:10 2005

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2408-CC2404
Lab FileID: CD058517.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031405\CD058517.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\031405\CD058517.D\FID2B.CH
Acq On : 14 Mar 2005 3:56 pm Operator: albertj
Sample : cc2404-20 Inst : VOA2
Misc : gc4679,gcd2408,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	17.757	11.2	91	-0.02	2.90- 3.30
2		Di-Isopropyl ether	20.000	19.507	2.5	97	-0.02	3.44- 3.74
3		BENZENE	20.000	19.784	1.1	100	-0.02	4.75- 5.05
4	S	a,a,a-TFT(S)	20.000	19.113	4.4	96	-0.02	5.79- 6.09
5		TOLUENE	20.000	19.293	3.5	100	-0.02	7.20- 7.50
6		CHLOROBENZENE	20.000	20.244	-1.2	102	-0.02	9.01- 9.31
7		ETHYLBENZENE	20.000	20.394	-2.0	103	-0.02	9.36- 9.66
8		m,p-XYLENE	40.000	40.491	-1.2	103	-0.02	9.66- 9.96
9		o-XYLENE	20.000	20.515	-2.6	103	-0.02	10.19-10.49
10	S	BFB(S)	20.000	19.802	1.0	99	-0.02	10.75-11.05
11		1,3-DICHLOROBENZENE	20.000	20.462	-2.3	103	-0.02	12.65-12.85
12		1,4-DICHLOROBENZENE	20.000	20.257	-1.3	104	-0.02	12.77-12.97
13		1,2-DICHLOROBENZENE	20.000	20.395	-2.0	102	-0.02	13.23-13.53

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	19.576	2.1	99	0.00	2.38- 2.78
2		Di-Isopropyl ether	20.000	21.039	-5.2	103	0.00	2.94- 3.24
3		BENZENE	20.000	20.483	-2.4	103	0.00	4.12- 4.42
4	S	a,a,a-TFT(S)	20.000	20.025	-0.1	100	0.00	4.85- 5.15
5		TOLUENE	20.000	19.880	0.6	102	0.00	6.64- 6.94
6		CHLOROBENZENE	20.000	20.770	-3.8	104	0.00	8.47- 8.77
7		ETHYLBENZENE	20.000	20.553	-2.8	104	0.00	8.92- 9.22
8		m,p-XYLENE	40.000	39.591	1.0	102	0.00	9.22- 9.52
9		o-XYLENE	20.000	20.504	-2.5	103	0.00	9.76-10.06
10	S	BFB(S)	20.000	19.800	1.0	99	0.00	10.22-10.52
11		1,3-DICHLOROBENZENE	20.000	20.610	-3.0	104	0.00	12.37-12.57
12		1,4-DICHLOROBENZENE	20.000	20.322	-1.6	104	0.00	12.45-12.65
13		1,2-DICHLOROBENZENE	20.000	20.623	-3.1	103	0.00	12.91-13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD058413.D GCD0309.M Tue Mar 15 09:46:34 2005

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2408-CC2404
Lab FileID: CD058528.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031405\CD058528.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\031405\CD058528.D\FID2B.CH
Acq On : 14 Mar 2005 8:23 pm Operator: albertj
Sample : cc2404-20 Inst : VOA2
Misc : gc4679,gcd2408,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	17.209	14.0	88	0.00	2.90- 3.30
2		Di-Isopropyl ether	20.000	18.224	8.9	91	0.00	3.44- 3.74
3		BENZENE	20.000	17.796	11.0	90	0.00	4.75- 5.05
4	S	a,a,a-TFT(S)	20.000	18.155	9.2	91	0.00	5.79- 6.09
5		TOLUENE	20.000	17.485	12.6	91	-0.01	7.20- 7.50
6		CHLOROBENZENE	20.000	18.519	7.4	93	-0.01	9.01- 9.31
7		ETHYLBENZENE	20.000	18.441	7.8	93	-0.01	9.36- 9.66
8		m,p-XYLENE	40.000	37.369	6.6	95	-0.01	9.66- 9.96
9		o-XYLENE	20.000	19.200	4.0	97	-0.01	10.19-10.49
10	S	BFB(S)	20.000	19.321	3.4	97	-0.01	10.75-11.05
11		1,3-DICHLOROBENZENE	20.000	19.265	3.7	97	-0.01	12.65-12.85
12		1,4-DICHLOROBENZENE	20.000	19.259	3.7	99	-0.01	12.77-12.97
13		1,2-DICHLOROBENZENE	20.000	19.403	3.0	97	-0.02	13.23-13.53

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	19.523	2.4	99	0.00	2.38- 2.78
2		Di-Isopropyl ether	20.000	20.384	-1.9	99	0.00	2.94- 3.24
3		BENZENE	20.000	19.727	1.4	99	0.00	4.12- 4.42
4	S	a,a,a-TFT(S)	20.000	20.035	-0.2	101	0.01	4.85- 5.15
5		TOLUENE	20.000	19.140	4.3	98	0.01	6.64- 6.94
6		CHLOROBENZENE	20.000	20.059	-0.3	100	0.00	8.47- 8.77
7		ETHYLBENZENE	20.000	19.665	1.7	99	0.00	8.92- 9.22
8		m,p-XYLENE	40.000	38.375	4.1	99	0.01	9.22- 9.52
9		o-XYLENE	20.000	19.699	1.5	99	0.00	9.76-10.06
10	S	BFB(S)	20.000	19.790	1.1	99	0.00	10.22-10.52
11		1,3-DICHLOROBENZENE	20.000	19.783	1.1	100	0.00	12.37-12.57
12		1,4-DICHLOROBENZENE	20.000	19.578	2.1	100	0.00	12.45-12.65
13		1,2-DICHLOROBENZENE	20.000	20.156	-0.8	101	0.00	12.91-13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD058413.D GCD0309.M Tue Mar 15 09:46:35 2005

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2409-CC2404
Lab FileID: CD058539.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031405\CD058539.D\FID1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\031405\CD058539.D\FID2B.CH
Acq On : 15 Mar 2005 12:50 am Operator: albertj
Sample : cc2404-20 Inst : VOA2
Misc : gc4669,gcd2409,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.022	9.9	92	0.00	2.90- 3.30
2		Di-Isopropyl ether	20.000	19.208	4.0	95	-0.01	3.44- 3.74
3		BENZENE	20.000	18.920	5.4	95	0.00	4.75- 5.05
4	S	a,a,a-TFT(S)	20.000	19.458	2.7	97	0.00	5.79- 6.09
5		TOLUENE	20.000	18.577	7.1	96	0.00	7.20- 7.50
6		CHLOROBENZENE	20.000	19.518	2.4	98	0.00	9.01- 9.31
7		ETHYLBENZENE	20.000	19.224	3.9	97	0.00	9.36- 9.66
8		m,p-XYLENE	40.000	38.197	4.5	98	0.00	9.66- 9.96
9		o-XYLENE	20.000	19.588	2.1	98	0.00	10.19-10.49
10	S	BFB(S)	20.000	19.824	0.9	99	0.00	10.75-11.05
11		1,3-DICHLOROBENZENE	20.000	19.330	3.4	97	0.00	12.65-12.85
12		1,4-DICHLOROBENZENE	20.000	19.328	3.4	99	-0.01	12.77-12.97
13		1,2-DICHLOROBENZENE	20.000	20.235	-1.2	102	-0.02	13.23-13.53

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	19.538	2.3	99	0.00	2.38- 2.78
2		Di-Isopropyl ether	20.000	20.317	-1.6	99	0.00	2.94- 3.24
3		BENZENE	20.000	19.303	3.5	97	0.00	4.12- 4.42
4	S	a,a,a-TFT(S)	20.000	19.894	0.5	100	0.00	4.85- 5.15
5		TOLUENE	20.000	18.785	6.1	96	0.01	6.64- 6.94
6		CHLOROBENZENE	20.000	19.767	1.2	99	0.01	8.47- 8.77
7		ETHYLBENZENE	20.000	19.296	3.5	97	0.01	8.92- 9.22
8		m,p-XYLENE	40.000	37.114	7.2	96	0.01	9.22- 9.52
9		o-XYLENE	20.000	19.582	2.1	98	0.01	9.76-10.06
10	S	BFB(S)	20.000	19.737	1.3	99	0.02	10.22-10.52
11		1,3-DICHLOROBENZENE	20.000	19.665	1.7	100	0.00	12.37-12.57
12		1,4-DICHLOROBENZENE	20.000	19.180	4.1	98	0.00	12.45-12.65
13		1,2-DICHLOROBENZENE	20.000	20.117	-0.6	101	0.00	12.91-13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD058413.D GCD0309.M Tue Mar 15 09:46:35 2005

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2410-CC2404
Lab FileID: CD058586.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031505\CD058586.D\FID1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA\031505\CD058586.D\FID2B.CH
Acq On : 15 Mar 2005 9:53 pm Operator: albertj
Sample : cc2404-20 Inst : VOA2
Misc : gc4673,gcd2410,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	17.886	10.6	91	0.00	2.90- 3.30
2		Di-Isopropyl ether	20.000	19.386	3.1	96	-0.01	3.44- 3.74
3		BENZENE	20.000	19.182	4.1	97	0.00	4.75- 5.05
4	S	a,a,a-TFT(S)	20.000	19.522	2.4	98	0.00	5.79- 6.09
5		TOLUENE	20.000	18.867	5.7	98	0.00	7.20- 7.50
6		CHLOROBENZENE	20.000	19.723	1.4	99	0.00	9.01- 9.31
7		ETHYLBENZENE	20.000	19.619	1.9	99	0.00	9.36- 9.66
8		m,p-XYLENE	40.000	38.593	3.5	99	0.00	9.66- 9.96
9		o-XYLENE	20.000	19.584	2.1	98	0.00	10.19-10.49
10	S	BFB(S)	20.000	19.656	1.7	99	0.00	10.75-11.05
11		1,3-DICHLOROBENZENE	20.000	19.468	2.7	98	0.00	12.65-12.85
12		1,4-DICHLOROBENZENE	20.000	19.337	3.3	99	0.00	12.77-12.97
13		1,2-DICHLOROBENZENE	20.000	19.779	1.1	99	0.00	13.23-13.53

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	19.058	4.7	97	0.00	2.38- 2.78
2		Di-Isopropyl ether	20.000	20.337	-1.7	99	0.00	2.94- 3.24
3		BENZENE	20.000	19.522	2.4	98	0.00	4.12- 4.42
4	S	a,a,a-TFT(S)	20.000	19.871	0.6	100	0.00	4.85- 5.15
5		TOLUENE	20.000	19.087	4.6	98	0.01	6.64- 6.94
6		CHLOROBENZENE	20.000	19.944	0.3	100	0.02	8.47- 8.77
7		ETHYLBENZENE	20.000	19.478	2.6	98	0.02	8.92- 9.22
8		m,p-XYLENE	40.000	37.914	5.2	98	0.02	9.22- 9.52
9		o-XYLENE	20.000	19.705	1.5	99	0.02	9.76-10.06
10	S	BFB(S)	20.000	19.691	1.5	99	0.02	10.22-10.52
11		1,3-DICHLOROBENZENE	20.000	19.531	2.3	99	0.02	12.37-12.57
12		1,4-DICHLOROBENZENE	20.000	19.130	4.4	97	0.02	12.45-12.65
13		1,2-DICHLOROBENZENE	20.000	19.659	1.7	99	0.01	12.91-13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD058413.D GCD0309.M Wed Mar 16 09:21:53 2005

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2411-CC2404
Lab FileID: CD058593.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031505\CD058593.D\FID1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\031505\CD058593.D\FID2B.CH
Acq On : 16 Mar 2005 12:42 am Operator: albertj
Sample : cc2404-20 Inst : VOA2
Misc : gc4679,gcd2411,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.433	7.8	94	0.00	2.90- 3.30
2		Di-Isopropyl ether	20.000	19.371	3.1	96	-0.01	3.44- 3.74
3		BENZENE	20.000	18.853	5.7	95	0.00	4.75- 5.05
4	S	a,a,a-TFT(S)	20.000	19.840	0.8	99	0.00	5.79- 6.09
5		TOLUENE	20.000	18.379	8.1	95	0.00	7.20- 7.50
6		CHLOROBENZENE	20.000	19.305	3.5	97	0.00	9.01- 9.31
7		ETHYLBENZENE	20.000	19.032	4.8	96	0.00	9.36- 9.66
8		m,p-XYLENE	40.000	37.212	7.0	95	0.00	9.66- 9.96
9		o-XYLENE	20.000	19.039	4.8	96	0.00	10.19-10.49
10	S	BFB(S)	20.000	19.914	0.4	100	0.00	10.75-11.05
11		1,3-DICHLOROBENZENE	20.000	18.846	5.8	95	0.00	12.65-12.85
12		1,4-DICHLOROBENZENE	20.000	18.796	6.0	96	0.00	12.77-12.97
13		1,2-DICHLOROBENZENE	20.000	19.302	3.5	97	0.00	13.23-13.53

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	19.134	4.3	97	0.00	2.38- 2.78
2		Di-Isopropyl ether	20.000	19.901	0.5	97	0.00	2.94- 3.24
3		BENZENE	20.000	18.850	5.7	94	0.00	4.12- 4.42
4	S	a,a,a-TFT(S)	20.000	19.862	0.7	100	0.00	4.85- 5.15
5		TOLUENE	20.000	18.364	8.2	94	0.01	6.64- 6.94
6		CHLOROBENZENE	20.000	19.348	3.3	97	0.02	8.47- 8.77
7		ETHYLBENZENE	20.000	18.899	5.5	95	0.02	8.92- 9.22
8		m,p-XYLENE	40.000	36.257	9.4	94	0.02	9.22- 9.52
9		o-XYLENE	20.000	18.992	5.0	95	0.02	9.76-10.06
10	S	BFB(S)	20.000	19.783	1.1	99	0.02	10.22-10.52
11		1,3-DICHLOROBENZENE	20.000	18.952	5.2	96	0.01	12.37-12.57
12		1,4-DICHLOROBENZENE	20.000	18.833	5.8	96	0.01	12.45-12.65
13		1,2-DICHLOROBENZENE	20.000	19.540	2.3	98	0.00	12.91-13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD058413.D GCD0309.M Wed Mar 16 09:21:53 2005

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2411-ECC2404
Lab FileID: CD058604.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031505\CD058604.D\FID1A.CH Vial: 43
Signal #2 : C:\HPCHEM\1\DATA\031505\CD058604.D\FID2B.CH
Acq On : 16 Mar 2005 5:09 am Operator: albertj
Sample : ecc2404-40 Inst : VOA2
Misc : gc4683,gcd2411,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	34.510	13.7	88	0.00	2.90- 3.30
2		Di-Isopropyl ether	40.000	37.961	5.1	95	0.00	3.44- 3.74
3		BENZENE	40.000	37.791	5.5	97	0.00	4.75- 5.05
4	S	a,a,a-TFT(S)	20.000	19.804	1.0	98	0.00	5.79- 6.09
5		TOLUENE	40.000	36.837	7.9	98	0.00	7.20- 7.50
6		CHLOROBENZENE	40.000	38.557	3.6	98	0.00	9.01- 9.31
7		ETHYLBENZENE	40.000	38.370	4.1	98	0.00	9.36- 9.66
8		m,p-XYLENE	80.000	76.210	4.7	99	0.00	9.66- 9.96
9		o-XYLENE	40.000	38.810	3.0	99	0.00	10.19-10.49
10	S	BFB(S)	20.000	20.268	-1.3	100	0.00	10.75-11.05
11		1,3-DICHLOROBENZENE	40.000	38.236	4.4	96	0.00	12.65-12.85
12		1,4-DICHLOROBENZENE	40.000	38.274	4.3	97	0.00	12.77-12.97
13		1,2-DICHLOROBENZENE	40.000	38.664	3.3	98	0.00	13.23-13.53

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	36.037	9.9	91	0.00	2.38- 2.78
2		Di-Isopropyl ether	40.000	38.854	2.9	97	0.00	2.94- 3.24
3		BENZENE	40.000	37.241	6.9	97	0.00	4.12- 4.42
4	S	a,a,a-TFT(S)	20.000	19.895	0.5	99	0.00	4.85- 5.15
5		TOLUENE	40.000	36.054	9.9	97	0.01	6.64- 6.94
6		CHLOROBENZENE	40.000	37.971	5.1	97	0.02	8.47- 8.77
7		ETHYLBENZENE	40.000	37.716	5.7	99	0.02	8.92- 9.22
8		m,p-XYLENE	80.000	74.937	6.3	98	0.02	9.22- 9.52
9		o-XYLENE	40.000	38.189	4.5	99	0.02	9.76-10.06
10	S	BFB(S)	20.000	20.096	-0.5	100	0.02	10.22-10.52
11		1,3-DICHLOROBENZENE	40.000	37.958	5.1	97	0.00	12.37-12.57
12		1,4-DICHLOROBENZENE	40.000	37.920	5.2	97	0.00	12.45-12.65
13		1,2-DICHLOROBENZENE	40.000	38.914	2.7	98	0.00	12.91-13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD058414.D GCD0309.M Wed Mar 16 09:21:10 2005

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2414-CC2404
Lab FileID: CD058646.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031705\CD058646.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\031705\CD058646.D\FID2B.CH
Acq On : 17 Mar 2005 9:52 am Operator: albertj
Sample : cc2404-40 Inst : VOA2
Misc : gc4679,gcd2414,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	37.797	5.5	96	-0.02	2.90- 3.30
2		Di-Isopropyl ether	40.000	40.571	-1.4	102	-0.02	3.44- 3.74
3		BENZENE	40.000	41.765	-4.4	108	-0.02	4.75- 5.05
4	S	a,a,a-TFT(S)	20.000	19.828	0.9	98	-0.02	5.79- 6.09
5		TOLUENE	40.000	40.741	-1.9	109	-0.01	7.20- 7.50
6		CHLOROBENZENE	40.000	42.931	-7.3	109	0.00	9.01- 9.31
7		ETHYLBENZENE	40.000	42.525	-6.3	109	0.00	9.36- 9.66
8		m,p-XYLENE	80.000	84.784	-6.0	110	0.00	9.66- 9.96
9		o-XYLENE	40.000	42.619	-6.5	109	0.00	10.19-10.49
10	S	BFB(S)	20.000	20.538	-2.7	101	0.00	10.75-11.05
11		1,3-DICHLOROBENZENE	40.000	43.001	-7.5	108	0.00	12.65-12.85
12		1,4-DICHLOROBENZENE	40.000	43.490	-8.7	110	0.00	12.77-12.97
13		1,2-DICHLOROBENZENE	40.000	42.980	-7.4	109	0.00	13.23-13.53

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	39.659	0.9	100	0.00	2.38- 2.78
2		Di-Isopropyl ether	40.000	41.545	-3.9	103	0.00	2.94- 3.24
3		BENZENE	40.000	41.461	-3.7	108	0.00	4.12- 4.42
4	S	a,a,a-TFT(S)	20.000	19.792	1.0	98	0.00	4.85- 5.15
5		TOLUENE	40.000	39.909	0.2	108	0.00	6.64- 6.94
6		CHLOROBENZENE	40.000	41.868	-4.7	107	0.01	8.47- 8.77
7		ETHYLBENZENE	40.000	41.462	-3.7	109	0.01	8.92- 9.22
8		m,p-XYLENE	80.000	82.564	-3.2	108	0.02	9.22- 9.52
9		o-XYLENE	40.000	41.614	-4.0	108	0.01	9.76-10.06
10	S	BFB(S)	20.000	20.674	-3.4	103	0.02	10.22-10.52
11		1,3-DICHLOROBENZENE	40.000	42.533	-6.3	109	0.02	12.37-12.57
12		1,4-DICHLOROBENZENE	40.000	42.363	-5.9	108	0.01	12.45-12.65
13		1,2-DICHLOROBENZENE	40.000	42.886	-7.2	109	0.01	12.91-13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD058414.D GCD0309.M Fri Mar 18 08:48:51 2005

Continuing Calibration Summary

Job Number: F30291
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2414-CC2404
Lab FileID: CD058655.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\031705\CD058655.D\FID1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\031705\CD058655.D\FID2B.CH
Acq On : 17 Mar 2005 2:07 pm Operator: albertj
Sample : cc2404-20 Inst : VOA2
Misc : gc4679,gcd2414,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0309.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Thu Mar 10 10:40:37 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.339	8.3	94	0.00	2.90- 3.30
2		Di-Isopropyl ether	20.000	19.821	0.9	98	-0.01	3.44- 3.74
3		BENZENE	20.000	20.508	-2.5	103	-0.02	4.75- 5.05
4	S	a,a,a-TFT(S)	20.000	19.575	2.1	98	-0.01	5.79- 6.09
5		TOLUENE	20.000	20.143	-0.7	104	-0.02	7.20- 7.50
6		CHLOROBENZENE	20.000	20.910	-4.6	105	-0.02	9.01- 9.31
7		ETHYLBENZENE	20.000	20.597	-3.0	104	-0.02	9.36- 9.66
8		m,p-XYLENE	40.000	41.283	-3.2	105	-0.02	9.66- 9.96
9		o-XYLENE	20.000	20.760	-3.8	104	-0.02	10.19-10.49
10	S	BFB(S)	20.000	20.140	-0.7	101	-0.01	10.75-11.05
11		1,3-DICHLOROBENZENE	20.000	20.610	-3.0	104	-0.02	12.65-12.85
12		1,4-DICHLOROBENZENE	20.000	20.562	-2.8	105	-0.02	12.77-12.97
13		1,2-DICHLOROBENZENE	20.000	20.869	-4.3	105	-0.02	13.23-13.53

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	19.370	3.1	98	0.00	2.38- 2.78
2		Di-Isopropyl ether	20.000	20.486	-2.4	100	0.00	2.94- 3.24
3		BENZENE	20.000	20.399	-2.0	102	0.00	4.12- 4.42
4	S	a,a,a-TFT(S)	20.000	19.300	3.5	97	0.00	4.85- 5.15
5		TOLUENE	20.000	19.871	0.6	102	0.00	6.64- 6.94
6		CHLOROBENZENE	20.000	20.705	-3.5	104	0.00	8.47- 8.77
7		ETHYLBENZENE	20.000	20.287	-1.4	102	0.00	8.92- 9.22
8		m,p-XYLENE	40.000	39.398	1.5	102	0.00	9.22- 9.52
9		o-XYLENE	20.000	20.359	-1.8	102	0.00	9.76-10.06
10	S	BFB(S)	20.000	19.793	1.0	99	0.00	10.22-10.52
11		1,3-DICHLOROBENZENE	20.000	20.376	-1.9	103	0.00	12.37-12.57
12		1,4-DICHLOROBENZENE	20.000	20.161	-0.8	103	0.00	12.45-12.65
13		1,2-DICHLOROBENZENE	20.000	20.515	-2.6	103	0.00	12.91-13.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD058413.D GCD0309.M Fri Mar 18 08:49:17 2005

June 2005 Groundwater Laboratory Report

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F32730

Sampling Dates: 06/20/05 - 06/21/05

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **137**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F32730

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F32730-1	06/20/05	11:05	B5	06/22/05	AQ	Ground Water	UST645-MW05
F32730-2	06/20/05	11:35	B5	06/22/05	AQ	Ground Water	UST645-MW06
F32730-3	06/20/05	12:25	B5	06/22/05	AQ	Ground Water	UST645-MW18
F32730-4	06/20/05	12:53	B5	06/22/05	AQ	Ground Water	UST645-MW08
F32730-5	06/20/05	13:18	B5	06/22/05	AQ	Ground Water	UST645-MW11
F32730-6	06/20/05	13:42	B5	06/22/05	AQ	Ground Water	UST645-MW13
F32730-7	06/20/05	14:45	B5	06/22/05	AQ	Ground Water	UST645-MW12
F32730-8	06/20/05	15:10	B5	06/22/05	AQ	Ground Water	UST645-MW09
F32730-9	06/21/05	09:55	B5	06/22/05	AQ	Ground Water	UST645-MW15
F32730-10	06/20/05	00:00	B5	06/22/05	AQ	Ground Water	UST645-DUP
F32730-11	06/21/05	10:25	B5	06/22/05	AQ	Ground Water	UST645-MW03
F32730-12	06/21/05	11:10	B5	06/22/05	AQ	Ground Water	UST645-MW01
F32730-13	06/21/05	11:50	B5	06/22/05	AQ	Ground Water	UST645-MW02

Sample Summary
(continued)

EEI

Job No: F32730

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F32730-14	06/21/05	12:15	B5	06/22/05	AQ	Ground Water	UST645-MW04
F32730-15	06/21/05	12:55	B5	06/22/05	AQ	Ground Water	UST645-MW21
F32730-16	06/21/05	14:20	B5	06/22/05	AQ	Ground Water	UST645-MW23

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EEI **Job No:** F32730

Site: Camp Lejeune-Bldg 645 **Report Date:** 7/11/2005 2:30:07 PM

16 Samples were collected on between 06/20/2005 and 06/21/2005 and were received at Accutest on 06/22/2005 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F32730. 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.

Extractables by GCMS by Method EPA 625

Matrix: AQ **Batch ID:** OP13676

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F32730-3MS, F32730-3MSD were used as the QC samples indicated.

Blank Spike Recoverys for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,6-Dinitrotoluene, 2-Chlorophenol, 2-Nitrophenol, bis(2-Chloroethyl)ether, Hexachloroethane, Isophorone, N-Nitroso-di-n-propylamine, Naphthalene, Nitrobenzene are outside control limits. MS/MSD within limits.

Matrix Spike Recovery for Pentachlorophenol is outside control limits. Probable cause: due to matrix interference.

F32730-1: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-2: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-4: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-5: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-6: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-7: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-8: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-9: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-10: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-11: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-12: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-13: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-14: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-15: Confirmed by re-extraction and reanalysis beyond holdtime.

F32730-16: Confirmed by re-extraction and reanalysis beyond holdtime.

OP13676-BS: Batch re-extracted to confirm sample results.

F32730-3 for Naphthalene: Compound outside control limits in associated QC. Insufficient sample for re-extraction.

Matrix: AQ **Batch ID:** OP13712

The following samples were re- extracted outside of holding time for method EPA 625: F32730-1, F32730-2, F32730-4, F32730-5, F32730-6, F32730-7, F32730-8, F32730-10,

F32730-1, F32730-2, F32730-4, F32730-5, F32730-6, F32730-7, F32730-8, F32730-9, F32730-10, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16: Confirmation run.

Volatiles by GC by Method EPA 601/602

Matrix: AQ **Batch ID:** GEF3689

All samples were analyzed within the recommended method holding time.
Samples F32605-17MS, F32605-17MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
F32730-7: All hits confirmed by dual column analysis.
F32730-10: All hits confirmed by dual column analysis.

Matrix: AQ **Batch ID:** GEF3691

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Samples F32754-3MS, F32754-3MSD were used as the QC samples indicated.
F32730-3: All hits confirmed by dual column analysis.
F32730-3 for Methyl Tert Butyl Ether: Elevated reporting limits due to matrix interference.
F32730-9: All hits confirmed by dual column analysis.
F32730-11: All hits confirmed by GC/MS.
F32730-11 for 1,2-Dichlorobenzene: Elevated reporting limits due to matrix interference.
F32730-11 for 1,3-Dichlorobenzene: Elevated reporting limits due to matrix interference.
F32730-12: All hits confirmed by dual column analysis.
F32730-12 for Methyl Tert Butyl Ether: Elevated reporting limits due to matrix interference.
F32730-12 for 1,2-Dichlorobenzene: Elevated reporting limits due to matrix interference.
F32730-13: All hits confirmed by GC/MS.
F32730-13 for Methyl Tert Butyl Ether: Elevated reporting limits due to matrix interference.
F32730-13 for 1,2-Dichlorobenzene: Elevated reporting limits due to matrix interference.
F32730-14: All hits confirmed by dual column analysis.
F32730-14 for 1,2-Dichlorobenzene: Elevated reporting limits due to matrix interference.

Matrix: AQ **Batch ID:** GEF3694

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Samples F32780-1MS, F32780-1MSD were used as the QC samples indicated.

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: July 11, 2005

Ellen Pampel, Inorganic QA (signature on file)

Monday, July 11, 2005

Report of Analysis

Client Sample ID:	UST645-MW05		
Lab Sample ID:	F32730-1	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010102.D	1	06/27/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010168.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2	1040 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	24	15	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW05		
Lab Sample ID:	F32730-1	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%	40%	19-90%
4165-62-2	Phenol-d5	25%	20%	10-68%
118-79-6	2,4,6-Tribromophenol	91%	93%	36-137%
4165-60-0	Nitrobenzene-d5	72%	79%	49-119%
321-60-8	2-Fluorobiphenyl	83%	92%	45-118%
1718-51-0	Terphenyl-d14	88%	89%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [c]		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:	UST645-MW05		
Lab Sample ID:	F32730-1	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.
(c) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW05		
Lab Sample ID:	F32730-1	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052494.D	1	06/27/05	RAW	n/a	n/a	GEF3689
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		71-130%
98-08-8	aaa-Trifluorotoluene	97%		71-124%

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

Report of Analysis

Client Sample ID:	UST645-MW06		
Lab Sample ID:	F32730-2	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010103.D	1	06/27/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010169.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW06		
Lab Sample ID:	F32730-2	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%	40%	19-90%
4165-62-2	Phenol-d5	26%	21%	10-68%
118-79-6	2,4,6-Tribromophenol	95%	93%	36-137%
4165-60-0	Nitrobenzene-d5	76%	74%	49-119%
321-60-8	2-Fluorobiphenyl	87%	86%	45-118%
1718-51-0	Terphenyl-d14	92%	89%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [c]		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:	UST645-MW06		
Lab Sample ID:	F32730-2	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.
(c) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW06		
Lab Sample ID:	F32730-2	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052498.D	1	06/27/05	RAW	n/a	n/a	GEF3689
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		71-130%
98-08-8	aaa-Trifluorotoluene	93%		71-124%

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

Report of Analysis

Client Sample ID: UST645-MW18
Lab Sample ID: F32730-3
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/20/05
Date Received: 06/22/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F010104.D	1	06/27/05	NJ	06/23/05	OP13676	SF571
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F32730-3	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene [a]	5.9	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		19-90%
4165-62-2	Phenol-d5	25%		10-68%
118-79-6	2,4,6-Tribromophenol	94%		36-137%
4165-60-0	Nitrobenzene-d5	72%		49-119%
321-60-8	2-Fluorobiphenyl	83%		45-118%
1718-51-0	Terphenyl-d14	90%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
594-60-5	2-Butanol, 2,3-dimethyl-	2.35	7.1	ug/l	JN
590-36-3	2-Pentanol, 2-methyl-	2.37	22	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F32730-3	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
77-74-7	3-Pentanol, 3-methyl-	2.57	26	ug/l	JN
108-88-3	Toluene	2.69	190	ug/l	JN
1462-03-9	Cyclopentanol, 1-methyl-	2.94	14	ug/l	JN
625-23-0	2-Hexanol, 2-methyl-	3.29	12	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.38	19	ug/l	JN
100-41-4	Ethylbenzene	3.53	170	ug/l	JN
108-38-3	Benzene, 1,3-dimethyl-	3.78	95	ug/l	JN
590-67-0	1-Methylcyclohexanol	3.83	5.5	ug/l	JN
	unknown	4.05	5.4	ug/l	J
5582-82-1	3-Heptanol, 3-methyl-	4.12	4.8	ug/l	JN
103-65-1	Benzene, propyl-	4.21	5	ug/l	JN
496-11-7	Indane	4.73	44	ug/l	JN
95-13-6	Indene	4.80	7.8	ug/l	JN
610-72-0	Benzoic acid, 2,5-dimethyl-	6.70	8.6	ug/l	JN
10544-50-0	Cyclic octaatomic sulfur	12.50	7.2	ug/l	JN
	Total TIC, Semi-Volatile		643.4	ug/l	J

(a) Compound outside control limits in associated QC. Insufficient sample for re-extraction.

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F32730-3	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF052539.D	10	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	151	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.0	ug/l	
100-41-4	Ethylbenzene	549	10	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [b]	ND	10	10	ug/l	J
108-88-3	Toluene	949	10	5.0	ug/l	
1330-20-7	Xylenes (total)	989	30	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		71-130%
98-08-8	aaa-Trifluorotoluene	103%		71-124%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW08		
Lab Sample ID:	F32730-4	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010107.D	1	06/27/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010170.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2	1040 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	24	15	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW08		
Lab Sample ID:	F32730-4	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%	38%	19-90%
4165-62-2	Phenol-d5	26%	20%	10-68%
118-79-6	2,4,6-Tribromophenol	93%	91%	36-137%
4165-60-0	Nitrobenzene-d5	74%	73%	49-119%
321-60-8	2-Fluorobiphenyl	84%	86%	45-118%
1718-51-0	Terphenyl-d14	91%	89%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [c]		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:	UST645-MW08		
Lab Sample ID:	F32730-4	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.
(c) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW08		
Lab Sample ID:	F32730-4	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052605.D	1	07/01/05	TD	n/a	n/a	GEF3694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		71-130%
98-08-8	aaa-Trifluorotoluene	103%		71-124%

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

Report of Analysis

Client Sample ID:	UST645-MW11		
Lab Sample ID:	F32730-5	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010108.D	1	06/27/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010171.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1050 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW11		
Lab Sample ID:	F32730-5	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	46%	19-90%
4165-62-2	Phenol-d5	23%	24%	10-68%
118-79-6	2,4,6-Tribromophenol	87%	98%	36-137%
4165-60-0	Nitrobenzene-d5	65%	79%	49-119%
321-60-8	2-Fluorobiphenyl	75%	91%	45-118%
1718-51-0	Terphenyl-d14	87%	90%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [c]		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:	UST645-MW11		
Lab Sample ID:	F32730-5	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.
(c) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW11		
Lab Sample ID:	F32730-5	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052501.D	1	06/27/05	RAW	n/a	n/a	GEF3689
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		71-130%
98-08-8	aaa-Trifluorotoluene	89%		71-124%

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

Report of Analysis

Client Sample ID:	UST645-MW13		
Lab Sample ID:	F32730-6	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010109.D	1	06/27/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010172.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2	1050 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	24	15	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW13		
Lab Sample ID:	F32730-6	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	40%	19-90%
4165-62-2	Phenol-d5	23%	21%	10-68%
118-79-6	2,4,6-Tribromophenol	87%	92%	36-137%
4165-60-0	Nitrobenzene-d5	69%	77%	49-119%
321-60-8	2-Fluorobiphenyl	79%	89%	45-118%
1718-51-0	Terphenyl-d14	90%	89%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [c]		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:	UST645-MW13		
Lab Sample ID:	F32730-6	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.
(c) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW13		
Lab Sample ID:	F32730-6	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052502.D	1	06/27/05	RAW	n/a	n/a	GEF3689
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		71-130%
98-08-8	aaa-Trifluorotoluene	91%		71-124%

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F32730-7	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010110.D	1	06/28/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010173.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1050 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F32730-7	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%	41%	19-90%
4165-62-2	Phenol-d5	26%	22%	10-68%
118-79-6	2,4,6-Tribromophenol	96%	96%	36-137%
4165-60-0	Nitrobenzene-d5	76%	72%	49-119%
321-60-8	2-Fluorobiphenyl	87%	83%	45-118%
1718-51-0	Terphenyl-d14	96%	85%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
594-60-5	2-Butanol, 2,3-dimethyl-	2.35	13	ug/l	JN
590-36-3	2-Pentanol, 2-methyl-	2.38	28	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F32730-7	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
77-74-7	3-Pentanol, 3-methyl-	2.58	32	ug/l	JN
1462-03-9	Cyclopentanol, 1-methyl-	2.94	8.1	ug/l	JN
625-23-0	2-Hexanol, 2-methyl-	3.29	9.5	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.38	30	ug/l	JN
590-67-0	1-Methylcyclohexanol	3.83	13	ug/l	JN
480-63-7	Benzoic acid, 2,4,6-trimethyl-	7.25	16	ug/l	JN
	Total TIC, Semi-Volatile		149.6	ug/l	J

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.

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

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

Report of Analysis

Client Sample ID:	UST645-MW12		
Lab Sample ID:	F32730-7	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF052503.D	1	06/27/05	RAW	n/a	n/a	GEF3689
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	1.3	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		71-130%
98-08-8	aaa-Trifluorotoluene	88%		71-124%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: UST645-MW09
Lab Sample ID: F32730-8
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/20/05
Date Received: 06/22/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010111.D	1	06/28/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010174.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F32730-8	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%	40%	19-90%
4165-62-2	Phenol-d5	24%	22%	10-68%
118-79-6	2,4,6-Tribromophenol	88%	94%	36-137%
4165-60-0	Nitrobenzene-d5	69%	72%	49-119%
321-60-8	2-Fluorobiphenyl	79%	82%	45-118%
1718-51-0	Terphenyl-d14	87%	84%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [c]		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:	UST645-MW09		
Lab Sample ID:	F32730-8	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.
(c) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW09		
Lab Sample ID:	F32730-8	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052504.D	1	06/27/05	RAW	n/a	n/a	GEF3689
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		71-130%
98-08-8	aaa-Trifluorotoluene	92%		71-124%

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F32730-9	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010112.D	1	06/28/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010175.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	2.0	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	2.0	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.98	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.98	ug/l	
120-12-7	Anthracene	ND	4.9	0.98	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.98	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.98	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.98	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.98	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.98	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.98	ug/l	
106-47-8	4-Chloroaniline	ND	9.8	3.9	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	2.0	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	0.98	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.98	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.98	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.98	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F32730-9	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.98	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.98	ug/l	
86-73-7	Fluorene	ND	4.9	0.98	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.98	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	2.0	ug/l	
67-72-1	Hexachloroethane	ND	4.9	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	2.0	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-20-3	Naphthalene	ND	4.9	0.98	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	2.0	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	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%	40%	19-90%
4165-62-2	Phenol-d5	19%	21%	10-68%
118-79-6	2,4,6-Tribromophenol	84%	87%	36-137%
4165-60-0	Nitrobenzene-d5	62%	68%	49-119%
321-60-8	2-Fluorobiphenyl	73%	79%	45-118%
1718-51-0	Terphenyl-d14	80%	83%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [c]		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:	UST645-MW15		
Lab Sample ID:	F32730-9	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.
(c) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW15		
Lab Sample ID:	F32730-9	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF052541.D	1	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	7.1	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		71-130%
98-08-8	aaa-Trifluorotoluene	97%		71-124%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F32730-10	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010113.D	1	06/28/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010176.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2	1050 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	2.0	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	2.0	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.98	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.98	ug/l	
120-12-7	Anthracene	ND	4.9	0.98	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.98	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.98	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.98	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.98	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.98	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.98	ug/l	
106-47-8	4-Chloroaniline	ND	9.8	3.9	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	2.0	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	0.98	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.98	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.98	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.98	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F32730-10	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.98	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.98	ug/l	
86-73-7	Fluorene	ND	4.9	0.98	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.98	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	2.0	ug/l	
67-72-1	Hexachloroethane	ND	4.9	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	2.0	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-20-3	Naphthalene	ND	4.9	0.98	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	2.0	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	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	46%	19-90%
4165-62-2	Phenol-d5	22%	24%	10-68%
118-79-6	2,4,6-Tribromophenol	95%	99%	36-137%
4165-60-0	Nitrobenzene-d5	75%	76%	49-119%
321-60-8	2-Fluorobiphenyl	88%	88%	45-118%
1718-51-0	Terphenyl-d14	93%	91%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
594-60-5	2-Butanol, 2,3-dimethyl-	2.35	12	ug/l	JN
590-36-3	2-Pentanol, 2-methyl-	2.37	27	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F32730-10	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
77-74-7	3-Pentanol, 3-methyl-	2.57	30	ug/l	JN
1462-03-9	Cyclopentanol, 1-methyl-	2.94	7.2	ug/l	JN
625-23-0	2-Hexanol, 2-methyl-	3.29	9.7	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.38	29	ug/l	JN
590-67-0	1-Methylcyclohexanol	3.83	13	ug/l	JN
	unknown	7.25	16	ug/l	J
	Total TIC, Semi-Volatile		143.9	ug/l	J

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.

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

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

Report of Analysis

Client Sample ID:	UST645-DUP		
Lab Sample ID:	F32730-10	**Date Sampled:**	06/20/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF052505.D	1	06/27/05	RAW	n/a	n/a	GEF3689
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	1.5	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		71-130%
98-08-8	aaa-Trifluorotoluene	93%		71-124%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F32730-11	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010114.D	1	06/28/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010177.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2	1040 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	24	15	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F32730-11	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	15.0	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	45%	19-90%
4165-62-2	Phenol-d5	22%	24%	10-68%
118-79-6	2,4,6-Tribromophenol	95%	96%	36-137%
4165-60-0	Nitrobenzene-d5	74%	76%	49-119%
321-60-8	2-Fluorobiphenyl	86%	87%	45-118%
1718-51-0	Terphenyl-d14	93%	90%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
100-41-4	Ethylbenzene	3.52	6.8	ug/l	JN
108-67-8	Benzene, 1,3,5-trimethyl-	4.47	35	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F32730-11	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
496-11-7	Indane	4.73	18	ug/l	JN
135-01-3	Benzene, 1,2-diethyl-	4.79	8.6	ug/l	JN
1074-43-7	Benzene, 1-methyl-3-propyl-	4.81	7.4	ug/l	JN
	unknown	4.84	5.4	ug/l	J
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	4.96	12	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.21	15	ug/l	JN
527-53-7	Benzene, 1,2,3,5-tetramethyl-	5.23	25	ug/l	JN
767-58-8	Indan, 1-methyl-	5.37	14	ug/l	JN
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	5.43	35	ug/l	JN
	unknown	5.46	5	ug/l	J
119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	5.52	8.4	ug/l	JN
56147-63-8	2-Ethyl-2,3-dihydro-1H-indene	5.96	7.8	ug/l	JN
1075-22-5	1H-Indene, 2,3-dihydro-5,6-dimethy	6.08	7.6	ug/l	JN
6682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	6.17	7.1	ug/l	JN
10544-50-0	Cyclic octaatomic sulfur	12.50	20	ug/l	JN
	Total TIC, Semi-Volatile		238.1	ug/l	J

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.

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

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

Report of Analysis

Client Sample ID:	UST645-MW03		
Lab Sample ID:	F32730-11	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF052542.D	1	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.53	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	20	20	ug/l	
541-73-1	1,3-Dichlorobenzene [b]	ND	5.0	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	18.6	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.57	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	8.7	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%		71-130%
98-08-8	aaa-Trifluorotoluene	103%		71-124%

(a) All hits confirmed by GC/MS.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F32730-12	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010115.D	1	06/28/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010178.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1050 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F32730-12	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	2.7	4.8	0.96	ug/l	J
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%	39%	19-90%
4165-62-2	Phenol-d5	21%	21%	10-68%
118-79-6	2,4,6-Tribromophenol	90%	93%	36-137%
4165-60-0	Nitrobenzene-d5	70%	69%	49-119%
321-60-8	2-Fluorobiphenyl	79%	80%	45-118%
1718-51-0	Terphenyl-d14	85%	83%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
622-96-8	Benzene, 1-ethyl-4-methyl-	4.26	20	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.28	13	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F32730-12	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
526-73-8	Benzene, 1,2,3-trimethyl-	4.31	12	ug/l	JN
95-63-6	Benzene, 1,2,4-trimethyl-	4.47	50	ug/l	JN
496-11-7	Indane	4.73	11	ug/l	JN
135-01-3	Benzene, 1,2-diethyl-	4.79	7.2	ug/l	JN
141-93-5	Benzene, 1,3-diethyl-	4.84	8.3	ug/l	JN
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	4.96	8	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.21	7.9	ug/l	JN
527-53-7	Benzene, 1,2,3,5-tetramethyl-	5.23	12	ug/l	JN
767-58-8	Indan, 1-methyl-	5.37	6.8	ug/l	JN
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	5.43	21	ug/l	JN
632-46-2	Benzoic acid, 2,6-dimethyl-	6.65	8	ug/l	JN
	unknown	7.08	5.1	ug/l	J
1000201-99-6	7-Methylindan-1-one	7.25	9.5	ug/l	JN
	unknown	7.39	7.9	ug/l	J
528-90-5	Benzoic acid, 2,4,5-trimethyl-	7.69	9.9	ug/l	JN
6120-95-2	Cyclopropanecarboxylic acid, 1-phe	8.09	6	ug/l	JN
	unknown	8.29	5.3	ug/l	J
10544-50-0	Cyclic octaatomic sulfur	12.50	14	ug/l	JN
	Total TIC, Semi-Volatile		242.9	ug/l	J

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.

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

Report of Analysis

Client Sample ID:	UST645-MW01		
Lab Sample ID:	F32730-12	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF052543.D	1	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.93	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	15	15	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	11.9	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether [b]	ND	5.0	5.0	ug/l	
108-88-3	Toluene	12.7	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	24.3	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%		71-130%
460-00-4	4-Bromofluorobenzene	108%		71-130%
98-08-8	aaa-Trifluorotoluene	101%		71-124%
98-08-8	aaa-Trifluorotoluene	107%		71-124%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F32730-13	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010116.D	1	06/28/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010179.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2	1040 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	24	15	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F32730-13	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	21.8	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%	40%	19-90%
4165-62-2	Phenol-d5	22%	22%	10-68%
118-79-6	2,4,6-Tribromophenol	96%	94%	36-137%
4165-60-0	Nitrobenzene-d5	73%	72%	49-119%
321-60-8	2-Fluorobiphenyl	83%	81%	45-118%
1718-51-0	Terphenyl-d14	90%	85%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
100-41-4	Ethylbenzene	3.52	16	ug/l	JN
95-47-6	Benzene, 1,2-dimethyl-	3.77	33	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F32730-13	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
103-65-1	Benzene, propyl-	4.21	12	ug/l	JN
622-96-8	Benzene, 1-ethyl-4-methyl-	4.26	74	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.28	48	ug/l	JN
108-67-8	Benzene, 1,3,5-trimethyl-	4.48	170	ug/l	JN
496-11-7	Indane	4.74	29	ug/l	JN
135-01-3	Benzene, 1,2-diethyl-	4.79	18	ug/l	JN
1074-43-7	Benzene, 1-methyl-3-propyl-	4.81	20	ug/l	JN
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	4.85	41	ug/l	JN
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	4.96	24	ug/l	JN
535-77-3	Benzene, 1-methyl-3-(1-methylethyl	4.98	16	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.21	21	ug/l	JN
488-23-3	Benzene, 1,2,3,4-tetramethyl-	5.24	31	ug/l	JN
767-58-8	Indan, 1-methyl-	5.37	27	ug/l	JN
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	5.43	55	ug/l	JN
119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	5.52	11	ug/l	JN
56147-63-8	2-Ethyl-2,3-dihydro-1H-indene	5.96	8.9	ug/l	JN
1075-22-5	1H-Indene, 2,3-dihydro-5,6-dimethy	6.08	8.4	ug/l	JN
10544-50-0	Cyclic octaatomic sulfur	12.53	55	ug/l	JN
	Total TIC, Semi-Volatile		718.3	ug/l	J

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.

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

Report of Analysis

Client Sample ID:	UST645-MW02		
Lab Sample ID:	F32730-13	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF052544.D	2	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	100	100	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	44.0	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether [b]	ND	10	10	ug/l	
108-88-3	Toluene	5.7	2.0	1.0	ug/l	
1330-20-7	Xylenes (total)	213	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		71-130%
98-08-8	aaa-Trifluorotoluene	111%		71-124%

(a) All hits confirmed by GC/MS.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID: UST645-MW04
Lab Sample ID: F32730-14
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/21/05
Date Received: 06/22/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010117.D	1	06/28/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010180.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2	1030 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	2.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	2.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	2.1	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	26	11	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	5.3	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	2.1	ug/l	
100-02-7	4-Nitrophenol	ND	26	11	ug/l	
87-86-5	Pentachlorophenol	ND	26	11	ug/l	
108-95-2	Phenol	ND	5.3	2.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	2.1	ug/l	
83-32-9	Acenaphthene	ND	5.3	1.1	ug/l	
208-96-8	Acenaphthylene	ND	5.3	1.1	ug/l	
120-12-7	Anthracene	ND	5.3	1.1	ug/l	
92-87-5	Benzidine	ND	26	16	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	1.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	1.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	1.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.3	2.1	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	1.1	ug/l	
106-47-8	4-Chloroaniline	ND	11	4.2	ug/l	
218-01-9	Chrysene	ND	5.3	1.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	1.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	2.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	1.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.3	1.1	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.3	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.3	1.1	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW04		
Lab Sample ID:	F32730-14	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.3	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.3	2.1	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.3	2.1	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	11	5.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	2.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.3	2.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.3	2.6	ug/l	
84-66-2	Diethyl phthalate	ND	5.3	2.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.3	2.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.3	2.6	ug/l	
206-44-0	Fluoranthene	ND	5.3	1.1	ug/l	
86-73-7	Fluorene	ND	5.3	1.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	1.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.3	2.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.3	2.1	ug/l	
67-72-1	Hexachloroethane	ND	5.3	2.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	2.1	ug/l	
78-59-1	Isophorone	ND	5.3	1.1	ug/l	
91-20-3	Naphthalene	ND	5.3	1.1	ug/l	
98-95-3	Nitrobenzene	ND	5.3	1.1	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.3	2.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	2.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	2.1	ug/l	
85-01-8	Phenanthrene	ND	5.3	1.1	ug/l	
129-00-0	Pyrene	ND	5.3	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%	25%	19-90%
4165-62-2	Phenol-d5	17%	14%	10-68%
118-79-6	2,4,6-Tribromophenol	78%	76%	36-137%
4165-60-0	Nitrobenzene-d5	57%	57%	49-119%
321-60-8	2-Fluorobiphenyl	67%	65%	45-118%
1718-51-0	Terphenyl-d14	79%	69%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	12.49	6.1	ug/l	JN
	unknown	18.78	25	ug/l	J

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

Report of Analysis

Client Sample ID:	UST645-MW04		
Lab Sample ID:	F32730-14	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	18.95	36	ug/l	J
	Total TIC, Semi-Volatile		67.1	ug/l	J

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.

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

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

Report of Analysis

Client Sample ID:	UST645-MW04		
Lab Sample ID:	F32730-14	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF052545.D	1	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene [b]	ND	2.0	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	8.1	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		71-130%
98-08-8	aaa-Trifluorotoluene	101%		71-124%

(a) All hits confirmed by dual column analysis.
(b) Elevated reporting limits due to matrix interference.

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

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F32730-15	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010118.D	1	06/28/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010181.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F32730-15	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%	42%	19-90%
4165-62-2	Phenol-d5	22%	23%	10-68%
118-79-6	2,4,6-Tribromophenol	89%	91%	36-137%
4165-60-0	Nitrobenzene-d5	70%	71%	49-119%
321-60-8	2-Fluorobiphenyl	80%	82%	45-118%
1718-51-0	Terphenyl-d14	89%	90%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [c]		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:	UST645-MW21		
Lab Sample ID:	F32730-15	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.
(c) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW21		
Lab Sample ID:	F32730-15	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052546.D	1	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		71-130%
98-08-8	aaa-Trifluorotoluene	105%		71-124%

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F32730-16	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F010119.D	1	06/28/05	NJ	06/23/05	OP13676	SF571
Run #2 [b]	F010182.D	1	06/30/05	NJ	06/28/05	OP13712	SF574

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2	1030 ml	1.0 ml

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	2.0	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	2.0	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.98	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.98	ug/l	
120-12-7	Anthracene	ND	4.9	0.98	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.98	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.98	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.98	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.98	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.98	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.98	ug/l	
106-47-8	4-Chloroaniline	ND	9.8	3.9	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	2.0	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	0.98	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.98	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.98	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.98	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F32730-16	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.98	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.98	ug/l	
86-73-7	Fluorene	ND	4.9	0.98	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.98	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	2.0	ug/l	
67-72-1	Hexachloroethane	ND	4.9	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	2.0	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-20-3	Naphthalene	ND	4.9	0.98	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	2.0	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	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%	46%	19-90%
4165-62-2	Phenol-d5	22%	24%	10-68%
118-79-6	2,4,6-Tribromophenol	89%	96%	36-137%
4165-60-0	Nitrobenzene-d5	72%	74%	49-119%
321-60-8	2-Fluorobiphenyl	84%	86%	45-118%
1718-51-0	Terphenyl-d14	87%	87%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [c]		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:	UST645-MW23		
Lab Sample ID:	F32730-16	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.
(c) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F32730-16	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/22/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052547.D	1	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		71-130%
98-08-8	aaa-Trifluorotoluene	99%		71-124%

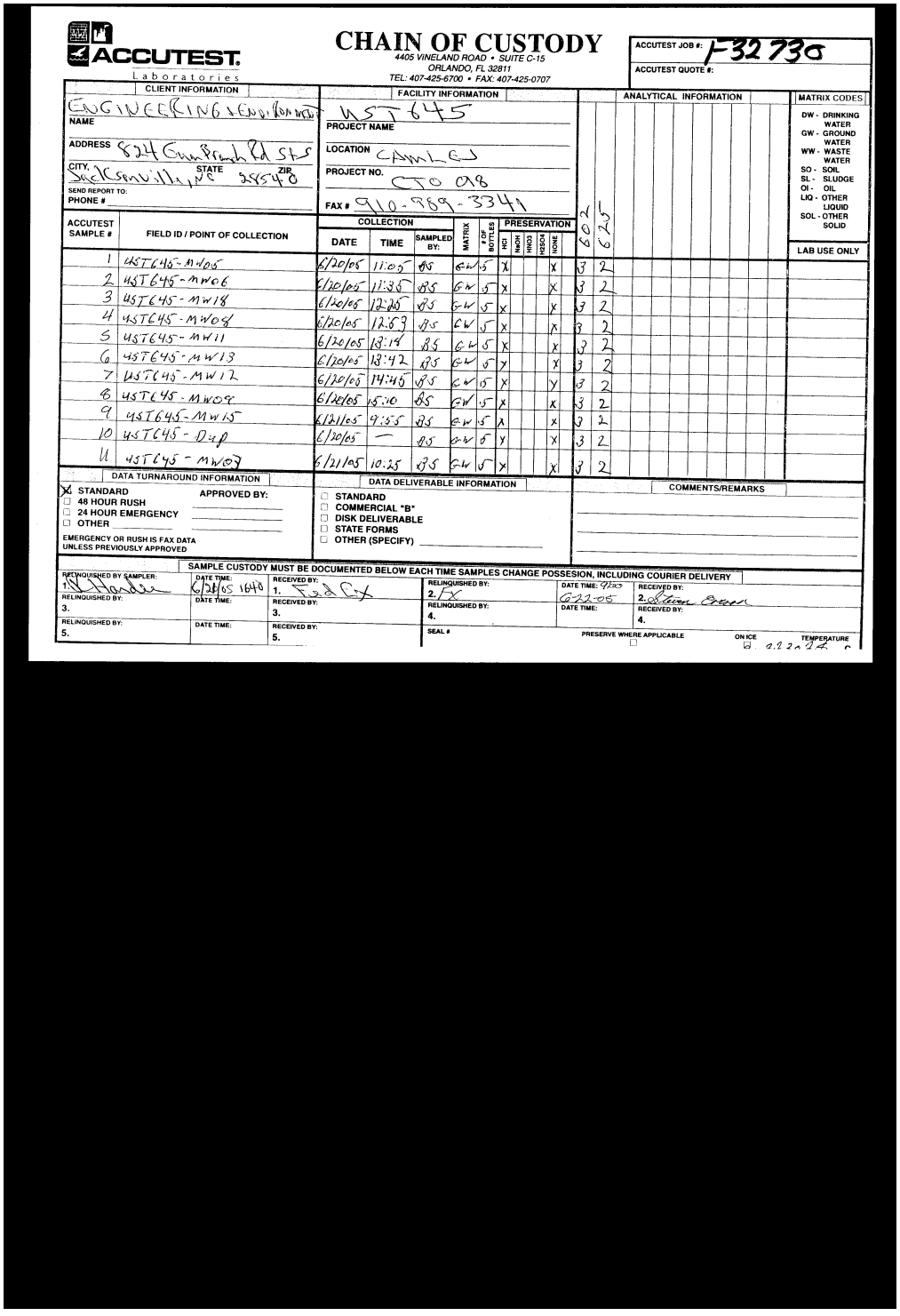
ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

ACCUTEST Laboratories
4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F32730
ACCUTEST QUOTE #:

CLIENT INFORMATION
NAME: ENGINEERING & ENVIRONMENTAL
ADDRESS: 824 Crumbrook Rd Ste S
CITY: Sackville STATE: NC ZIP: 28540
SEND REPORT TO:
PHONE #:

FACILITY INFORMATION
PROJECT NAME: UST 645
LOCATION: CAMLEJ
PROJECT NO.: CTO 098
FAX #: 910-989-3341

ANALYTICAL INFORMATION
602
625

MATRIX CODES
DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	HNO3	ICE	H2SO4	NONE	602	625
1	UST645-MW05	6/20/05	11:05	BS	GW	5	X				X	3	2
2	UST645-MW06	6/20/05	11:35	BS	GW	5	X				X	3	2
3	UST645-MW18	6/20/05	12:20	BS	GW	5	X				X	3	2
4	UST645-MW08	6/20/05	12:59	BS	GW	5	X				X	3	2
5	UST645-MW11	6/20/05	13:14	BS	GW	5	X				X	3	2
6	UST645-MW13	6/20/05	13:42	BS	GW	5	X				X	3	2
7	UST645-MW12	6/20/05	14:45	BS	GW	5	X				X	3	2
8	UST645-MW09	6/20/05	15:10	BS	GW	5	X				X	3	2
9	UST645-MW15	6/21/05	9:55	BS	GW	5	X				X	3	2
10	UST645-Dup	6/20/05	—	BS	GW	5	X				X	3	2
11	UST645-MW07	6/21/05	10:25	BS	GW	5	X				X	3	2

DATA TURNAROUND INFORMATION
- [X] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:
EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

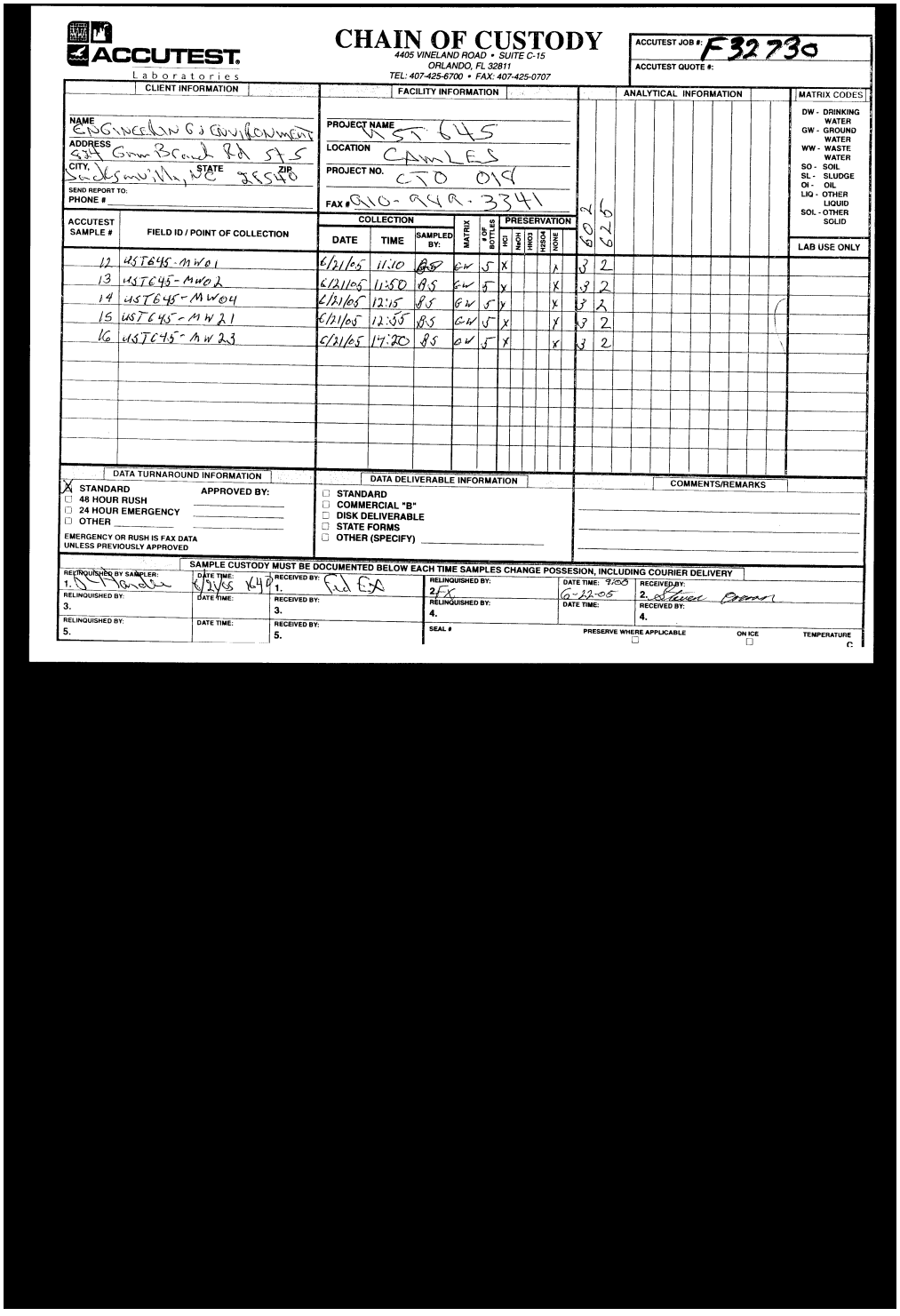
DATA DELIVERABLE INFORMATION
- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	6/21/05 1648	1. Fed Ex	2. FX	6-22-05	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE	ON ICE / TEMPERATURE
5.		5.			

F32730: Chain of Custody
Page 1 of 3



ACCUTEST Laboratories

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F32730
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: ENGINEERING & ENVIRONMENT
ADDRESS: 334 Grim Branch Rd
CITY: Williamsburg STATE: VA ZIP: 23185
SEND REPORT TO:
PHONE #:

FACILITY INFORMATION

PROJECT NAME: UST 645
LOCATION: CAMLES
PROJECT NO.: CTO 014
FAX #: 410-914-3341

ANALYTICAL INFORMATION

8260 B
625

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	8260 B	625
12	UST645-MW01	6/21/05	11:10	BS	GW	5	X			X	3	2
13	UST645-MW02	6/21/05	11:50	BS	GW	5	X			X	3	2
14	UST645-MW04	6/21/05	12:15	BS	GW	5	X			X	3	2
15	UST645-MW21	6/21/05	12:55	BS	GW	5	X			X	3	2
16	UST645-MW23	6/21/05	17:20	BS	GW	5	X			X	3	2

DATA TURNAROUND INFORMATION

X STANDARD
☐ 48 HOUR RUSH
☐ 24 HOUR EMERGENCY
☐ OTHER
APPROVED BY:
EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	6/21/05 1640	1. Fed Ex	2. Fed Ex	6-22-05 9:00	2. Steven Dennis
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE °C
5.		5.			

F32730: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F32730 CLIENT: Engin. + Enviro. PROJECT: UST 645

DATE/TIME RECEIVED: 6-22-05/ 9:00 # OF COOLERS RECEIVED: 4 COOLER TEMPS: 3.0, 3.0, 3.2, 2.5

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

AIRBILL NUMBERS: 8508 6831 8601

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] NO COC RECEIVED
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] 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 PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] 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(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

SUMMARY OF COMMENTS: Trip Blank not on C.O.C.

TECHNICIAN SIGNATURE/DATE Steven Connor 6-22-05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

F32730: Chain of Custody
Page 3 of 3

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13676-MB	F010101.D	1	06/27/05	NJ	06/23/05	OP13676	SF571

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

F32730-1, F32730-2, F32730-3, F32730-4, F32730-5, F32730-6, F32730-7, F32730-8, F32730-9, F32730-10, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	

Method Blank Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13676-MB	F010101.D	1	06/27/05	NJ	06/23/05	OP13676	SF571

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

F32730-1, F32730-2, F32730-3, F32730-4, F32730-5, F32730-6, F32730-7, F32730-8, F32730-9, F32730-10, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	39%	19-90%
4165-62-2	Phenol-d5	22%	10-68%
118-79-6	2,4,6-Tribromophenol	74%	36-137%
4165-60-0	Nitrobenzene-d5	55%	49-119%
321-60-8	2-Fluorobiphenyl	62%	45-118%
1718-51-0	Terphenyl-d14	79%	46-135%

Method Blank Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13676-MB	F010101.D	1	06/27/05	NJ	06/23/05	OP13676	SF571

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

F32730-1, F32730-2, F32730-3, F32730-4, F32730-5, F32730-6, F32730-7, F32730-8, F32730-9, F32730-10, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13676-BS [a]	F010100.D	1	06/27/05	NJ	06/23/05	OP13676	SF571

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

F32730-1, F32730-2, F32730-3, F32730-4, F32730-5, F32730-6, F32730-7, F32730-8, F32730-9, F32730-10, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	27.3	55*	62-103
59-50-7	4-Chloro-3-methyl phenol	50	33.5	67	64-103
120-83-2	2,4-Dichlorophenol	50	31.5	63	59-103
105-67-9	2,4-Dimethylphenol	50	27.2	54	43-94
51-28-5	2,4-Dinitrophenol	100	84.7	85	12-125
534-52-1	4,6-Dinitro-o-cresol	100	90.3	90	47-119
88-75-5	2-Nitrophenol	50	30.9	62*	64-104
100-02-7	4-Nitrophenol	100	36.4	36	22-50
87-86-5	Pentachlorophenol	100	99.3	99	50-111
108-95-2	Phenol	50	14.0	28	25-53
88-06-2	2,4,6-Trichlorophenol	50	34.6	69	60-103
83-32-9	Acenaphthene	50	34.8	70	62-101
208-96-8	Acenaphthylene	50	33.2	66	65-113
120-12-7	Anthracene	50	38.8	78	69-107
92-87-5	Benzidine	50	24.8	50	10-125
56-55-3	Benzo(a)anthracene	50	40.4	81	68-106
50-32-8	Benzo(a)pyrene	50	39.2	78	70-114
205-99-2	Benzo(b)fluoranthene	50	41.1	82	68-110
191-24-2	Benzo(g,h,i)perylene	50	40.7	81	63-115
207-08-9	Benzo(k)fluoranthene	50	43.1	86	68-112
101-55-3	4-Bromophenyl phenyl ether	50	40.4	81	73-103
85-68-7	Butyl benzyl phthalate	50	43.0	86	69-108
91-58-7	2-Chloronaphthalene	50	32.0	64	64-102
106-47-8	4-Chloroaniline	50	30.4	61	57-104
218-01-9	Chrysene	50	41.8	84	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	28.9	58	57-103
111-44-4	bis(2-Chloroethyl)ether	50	29.6	59*	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	27.1	54	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	39.1	78	71-104
95-50-1	1,2-Dichlorobenzene	50	28.5	57*	62-100
122-66-7	1,2-Diphenylhydrazine	50	37.4	75	65-105
541-73-1	1,3-Dichlorobenzene	50	27.3	55*	59-99
106-46-7	1,4-Dichlorobenzene	50	27.5	55*	60-101
121-14-2	2,4-Dinitrotoluene	50	40.8	82	65-111
606-20-2	2,6-Dinitrotoluene	50	36.6	73*	77-111
91-94-1	3,3'-Dichlorobenzidine	50	40.9	82	42-110

Blank Spike Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13676-BS [a]	F010100.D	1	06/27/05	NJ	06/23/05	OP13676	SF571

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

F32730-1, F32730-2, F32730-3, F32730-4, F32730-5, F32730-6, F32730-7, F32730-8, F32730-9, F32730-10, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
53-70-3	Dibenzo(a,h)anthracene	50	37.5	75	62-115
84-74-2	Di-n-butyl phthalate	50	43.2	86	68-109
117-84-0	Di-n-octyl phthalate	50	43.4	87	63-120
84-66-2	Diethyl phthalate	50	42.6	85	64-110
131-11-3	Dimethyl phthalate	50	39.9	80	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	43.3	87	64-115
206-44-0	Fluoranthene	50	41.6	83	68-111
86-73-7	Fluorene	50	36.8	74	66-105
118-74-1	Hexachlorobenzene	50	40.5	81	69-103
87-68-3	Hexachlorobutadiene	50	30.1	60	55-90
77-47-4	Hexachlorocyclopentadiene	50	28.1	56	26-95
67-72-1	Hexachloroethane	50	26.9	54*	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.8	82	63-118
78-59-1	Isophorone	50	31.5	63*	64-107
91-20-3	Naphthalene	50	28.2	56*	62-101
98-95-3	Nitrobenzene	50	27.8	56*	61-106
62-75-9	N-Nitrosodimethylamine	50	16.3	33	12-78
621-64-7	N-Nitroso-di-n-propylamine	50	28.9	58*	64-109
86-30-6	N-Nitrosodiphenylamine	50	39.9	80	69-114
85-01-8	Phenanthrene	50	40.4	81	68-104
129-00-0	Pyrene	50	41.9	84	64-105
120-82-1	1,2,4-Trichlorobenzene	50	29.3	59*	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	40%	19-90%
4165-62-2	Phenol-d5	25%	10-68%
118-79-6	2,4,6-Tribromophenol	84%	36-137%
4165-60-0	Nitrobenzene-d5	55%	49-119%
321-60-8	2-Fluorobiphenyl	66%	45-118%
1718-51-0	Terphenyl-d14	85%	46-135%

(a) Batch re-extracted to confirm sample results.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13676-MS	F010105.D	1	06/27/05	NJ	06/23/05	OP13676	SF571
OP13676-MSD	F010106.D	1	06/27/05	NJ	06/23/05	OP13676	SF571
F32730-3	F010104.D	1	06/27/05	NJ	06/23/05	OP13676	SF571

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

F32730-1, F32730-2, F32730-3, F32730-4, F32730-5, F32730-6, F32730-7, F32730-8, F32730-9, F32730-10, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16

CAS No.	Compound	F32730-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		96.2	80.2	83	77.6	81	3	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	81.9	85	80.0	83	2	60-101/18
120-83-2	2,4-Dichlorophenol	ND		96.2	86.1	90	84.2	88	2	55-100/24
105-67-9	2,4-Dimethylphenol	ND		96.2	72.9	76	72.3	75	1	36-98/26
51-28-5	2,4-Dinitrophenol	ND		192	180	94	186	97	3	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		192	196	102	196	102	0	40-127/24
88-75-5	2-Nitrophenol	ND		96.2	86.0	89	81.9	85	5	53-104/25
100-02-7	4-Nitrophenol	ND		192	107	56	105	55	2	32-81/28
87-86-5	Pentachlorophenol	ND		192	229	119*	224	116	2	44-118/16
108-95-2	Phenol	ND		96.2	47.4	49	45.6	47	4	31-77/26
88-06-2	2,4,6-Trichlorophenol	ND		96.2	85.8	89	85.2	89	1	55-103/21
83-32-9	Acenaphthene	ND		96.2	86.1	90	82.2	85	5	55-103/20
208-96-8	Acenaphthylene	ND		96.2	82.3	86	79.1	82	4	55-113/20
120-12-7	Anthracene	ND		96.2	85.6	89	82.5	86	4	66-105/14
92-87-5	Benzidine	ND		96.2	29.5	31	31.1	32	5	10-125/50
56-55-3	Benzo(a)anthracene	ND		96.2	87.8	91	86.0	89	2	65-103/16
50-32-8	Benzo(a)pyrene	ND		96.2	84.6	88	82.4	86	3	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		96.2	89.0	93	88.2	92	1	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		96.2	89.6	93	84.3	88	6	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		96.2	92.8	97	90.6	94	2	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	91.8	95	88.6	92	4	68-102/16
85-68-7	Butyl benzyl phthalate	ND		96.2	92.5	96	91.8	95	1	65-108/17
91-58-7	2-Chloronaphthalene	ND		96.2	85.3	89	81.0	84	5	58-101/22
106-47-8	4-Chloroaniline	ND		96.2	70.3	73	71.5	74	2	39-101/21
218-01-9	Chrysene	ND		96.2	90.1	94	87.8	91	3	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	80.3	84	78.0	81	3	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	86.7	90	85.3	89	2	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	76.4	79	74.7	78	2	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	90.4	94	88.8	92	2	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		96.2	81.2	84	77.0	80	5	50-101/22
122-66-7	1,2-Diphenylhydrazine	ND		96.2	85.8	89	83.9	87	2	61-101/17
541-73-1	1,3-Dichlorobenzene	ND		96.2	80.0	83	76.4	79	5	50-100/23
106-46-7	1,4-Dichlorobenzene	ND		96.2	80.5	84	76.7	80	5	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		96.2	86.7	90	85.3	89	2	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		96.2	80.9	84	80.7	84	0	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	77.8	81	78.7	82	1	18-112/22

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13676-MS	F010105.D	1	06/27/05	NJ	06/23/05	OP13676	SF571
OP13676-MSD	F010106.D	1	06/27/05	NJ	06/23/05	OP13676	SF571
F32730-3	F010104.D	1	06/27/05	NJ	06/23/05	OP13676	SF571

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

F32730-1, F32730-2, F32730-3, F32730-4, F32730-5, F32730-6, F32730-7, F32730-8, F32730-9, F32730-10, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16

CAS No.	Compound	F32730-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	81.4	85	77.9	81	4	57-111/20
84-74-2	Di-n-butyl phthalate	ND		96.2	93.2	97	90.6	94	3	63-107/17
117-84-0	Di-n-octyl phthalate	ND		96.2	94.8	99	94.5	98	0	58-126/23
84-66-2	Diethyl phthalate	ND		96.2	93.1	97	91.4	95	2	59-110/18
131-11-3	Dimethyl phthalate	ND		96.2	90.5	94	88.6	92	2	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	93.2	97	92.7	96	1	55-120/22
206-44-0	Fluoranthene	ND		96.2	91.8	95	88.1	92	4	62-108/17
86-73-7	Fluorene	ND		96.2	86.2	90	84.5	88	2	60-105/17
118-74-1	Hexachlorobenzene	ND		96.2	90.6	94	87.3	91	4	64-102/16
87-68-3	Hexachlorobutadiene	ND		96.2	88.3	92	83.1	86	6	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		96.2	79.7	83	79.4	83	0	20-92/34
67-72-1	Hexachloroethane	ND		96.2	80.8	84	75.0	78	7	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	89.9	93	85.8	89	5	61-111/19
78-59-1	Isophorone	ND		96.2	84.8	88	81.0	84	5	59-103/23
91-20-3	Naphthalene	5.9		96.2	85.8	83	82.5	80	4	52-102/23
98-95-3	Nitrobenzene	ND		96.2	76.9	80	75.0	78	3	51-103/25
62-75-9	N-Nitrosodimethylamine	ND		96.2	58.8	61	55.3	58	6	20-91/29
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	79.6	83	78.8	82	1	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		96.2	90.3	94	87.6	91	3	62-112/16
85-01-8	Phenanthrene	ND		96.2	88.7	92	85.1	89	4	64-103/15
129-00-0	Pyrene	ND		96.2	89.4	93	88.5	92	1	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	84.9	88	79.4	83	7	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F32730-3	Limits
367-12-4	2-Fluorophenol	69%	66%	46%	19-90%
4165-62-2	Phenol-d5	45%	43%	25%	10-68%
118-79-6	2,4,6-Tribromophenol	96%	95%	94%	36-137%
4165-60-0	Nitrobenzene-d5	78%	78%	72%	49-119%
321-60-8	2-Fluorobiphenyl	89%	87%	83%	45-118%
1718-51-0	Terphenyl-d14	93%	92%	90%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-DFTPP
Lab File ID: F010035.D
Instrument ID: GCMSF
Injection Date: 06/23/05
Injection Time: 10:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	149324	41.2		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	155066	42.8		Pass
70	Less than 2.0% of mass 69	987	0.27	(0.64) [a]	Pass
127	40.0 - 60.0% of mass 198	178434	49.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	362218	100.0		Pass
199	5.0 - 9.0% of mass 198	23357	6.4		Pass
275	10.0 - 30.0% of mass 198	71402	19.7		Pass
365	1.0 - 100.0% of mass 198	5532	1.5		Pass
441	Present, but less than mass 443	28343	7.8	(73.9) [b]	Pass
442	40.0 - 100.0% of mass 198	193413	53.4		Pass
443	17.0 - 23.0% of mass 442	38369	10.6	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SF569-IC569	F010036.D	06/23/05	10:55	00:20	Initial cal 5
SF569-IC569	F010037.D	06/23/05	11:25	00:50	Initial cal 25
SF569-IC569	F010038.D	06/23/05	11:55	01:20	Initial cal 50
SF569-ICC569	F010039.D	06/23/05	12:26	01:51	Initial cal 75
SF569-IC569	F010040.D	06/23/05	12:56	02:21	Initial cal 100
SF569-IC569	F010041.D	06/23/05	13:27	02:52	Initial cal 125
SF569-ICV569	F010042.D	06/23/05	13:57	03:22	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF571-DFTPP
Lab File ID: F010079.D
Instrument ID: GCMSF
Injection Date: 06/27/05
Injection Time: 08:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	83432	38.7		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	87742	40.7		Pass
70	Less than 2.0% of mass 69	430	0.2	(0.49) [a]	Pass
127	40.0 - 60.0% of mass 198	102312	47.5		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	215338	100.0		Pass
199	5.0 - 9.0% of mass 198	14060	6.5		Pass
275	10.0 - 30.0% of mass 198	42416	19.7		Pass
365	1.0 - 100.0% of mass 198	3339	1.6		Pass
441	Present, but less than mass 443	18137	8.4	(76.4) [b]	Pass
442	40.0 - 100.0% of mass 198	122138	56.7		Pass
443	17.0 - 23.0% of mass 442	23739	11.0	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SF571-CC569	F010080.D	06/27/05	09:16	00:19	Continuing cal 75
OP13677-BS	F010081.D	06/27/05	09:47	00:50	Blank Spike
OP13677-MB	F010082.D	06/27/05	10:17	01:20	Method Blank
ZZZZZZ	F010083.D	06/27/05	10:48	01:51	(unrelated sample)
ZZZZZZ	F010084.D	06/27/05	11:18	02:21	(unrelated sample)
ZZZZZZ	F010085.D	06/27/05	11:49	02:52	(unrelated sample)
ZZZZZZ	F010086.D	06/27/05	12:19	03:22	(unrelated sample)
ZZZZZZ	F010087.D	06/27/05	12:50	03:53	(unrelated sample)
ZZZZZZ	F010088.D	06/27/05	13:21	04:24	(unrelated sample)
ZZZZZZ	F010089.D	06/27/05	13:52	04:55	(unrelated sample)
ZZZZZZ	F010090.D	06/27/05	14:22	05:25	(unrelated sample)
ZZZZZZ	F010091.D	06/27/05	14:53	05:56	(unrelated sample)
ZZZZZZ	F010092.D	06/27/05	15:24	06:27	(unrelated sample)
ZZZZZZ	F010093.D	06/27/05	15:55	06:58	(unrelated sample)
ZZZZZZ	F010094.D	06/27/05	16:26	07:29	(unrelated sample)
ZZZZZZ	F010095.D	06/27/05	16:56	07:59	(unrelated sample)
ZZZZZZ	F010096.D	06/27/05	17:27	08:30	(unrelated sample)
F32732-3	F010097.D	06/27/05	17:57	09:00	(used for QC only; not part of job F32730)
OP13677-MS	F010098.D	06/27/05	18:27	09:30	Matrix Spike

Instrument Performance Check (DFTPP)

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SF571-DFTPP	**Injection Date:**	06/27/05
Lab File ID:	F010079.D	**Injection Time:**	08:57
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP13677-MSD	F010099.D	06/27/05	18:57	10:00	Matrix Spike Duplicate
OP13676-BS	F010100.D	06/27/05	19:27	10:30	Blank Spike
OP13676-MB	F010101.D	06/27/05	19:57	11:00	Method Blank
F32730-1	F010102.D	06/27/05	20:27	11:30	UST645-MW05
F32730-2	F010103.D	06/27/05	20:57	12:00	UST645-MW06
F32730-3	F010104.D	06/27/05	21:26	12:29	UST645-MW18
OP13676-MS	F010105.D	06/27/05	21:56	12:59	Matrix Spike
OP13676-MSD	F010106.D	06/27/05	22:26	13:29	Matrix Spike Duplicate
F32730-4	F010107.D	06/27/05	22:56	13:59	UST645-MW08
F32730-5	F010108.D	06/27/05	23:26	14:29	UST645-MW11
F32730-6	F010109.D	06/27/05	23:56	14:59	UST645-MW13
F32730-7	F010110.D	06/28/05	00:26	15:29	UST645-MW12
F32730-8	F010111.D	06/28/05	00:56	15:59	UST645-MW09
F32730-9	F010112.D	06/28/05	01:26	16:29	UST645-MW15
F32730-10	F010113.D	06/28/05	01:56	16:59	UST645-DUP
F32730-11	F010114.D	06/28/05	02:25	17:28	UST645-MW03
F32730-12	F010115.D	06/28/05	02:55	17:58	UST645-MW01
F32730-13	F010116.D	06/28/05	03:25	18:28	UST645-MW02
F32730-14	F010117.D	06/28/05	03:55	18:58	UST645-MW04
F32730-15	F010118.D	06/28/05	04:25	19:28	UST645-MW21
F32730-16	F010119.D	06/28/05	04:55	19:58	UST645-MW23

Instrument Performance Check (DFTPP)

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF574-DFTPP
Lab File ID: F010164.D
Instrument ID: GCMSF
Injection Date: 06/30/05
Injection Time: 09:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	68280	40.7		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	69262	41.3		Pass
70	Less than 2.0% of mass 69	362	0.22	(0.52) [a]	Pass
127	40.0 - 60.0% of mass 198	81266	48.5		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	167608	100.0		Pass
199	5.0 - 9.0% of mass 198	11776	7.0		Pass
275	10.0 - 30.0% of mass 198	34077	20.3		Pass
365	1.0 - 100.0% of mass 198	2771	1.7		Pass
441	Present, but less than mass 443	13512	8.1	(70.0) [b]	Pass
442	40.0 - 100.0% of mass 198	98069	58.5		Pass
443	17.0 - 23.0% of mass 442	19311	11.5	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SF574-CC569	F010165.D	06/30/05	10:07	00:19	Continuing cal 50
OP13712-BS	F010166.D	06/30/05	10:44	00:56	Blank Spike
OP13712-MB	F010167.D	06/30/05	11:29	01:41	Method Blank
F32730-1	F010168.D	06/30/05	12:00	02:12	UST645-MW05
F32730-2	F010169.D	06/30/05	12:30	02:42	UST645-MW06
F32730-4	F010170.D	06/30/05	13:00	03:12	UST645-MW08
F32730-5	F010171.D	06/30/05	13:31	03:43	UST645-MW11
F32730-6	F010172.D	06/30/05	14:01	04:13	UST645-MW13
F32730-7	F010173.D	06/30/05	14:32	04:44	UST645-MW12
F32730-8	F010174.D	06/30/05	15:03	05:15	UST645-MW09
F32730-9	F010175.D	06/30/05	15:33	05:45	UST645-MW15
F32730-10	F010176.D	06/30/05	16:04	06:16	UST645-DUP
F32730-11	F010177.D	06/30/05	16:35	06:47	UST645-MW03
F32730-12	F010178.D	06/30/05	17:05	07:17	UST645-MW01
F32730-13	F010179.D	06/30/05	17:36	07:48	UST645-MW02
F32730-14	F010180.D	06/30/05	18:06	08:18	UST645-MW04
F32730-15	F010181.D	06/30/05	18:36	08:48	UST645-MW21
F32730-16	F010182.D	06/30/05	19:06	09:18	UST645-MW23

Semivolatile Internal Standard Area Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SF571-CC569 **Injection Date:** 06/27/05
Lab File ID: F010080.D **Injection Time:** 09:16
Instrument ID: GCMSF **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	211478	4.61	790567	5.68	447962	7.86	753307	10.32	592234	15.24	518513	17.74
Upper Limit [a]	422956	5.11	1581134	6.18	895924	8.36	1506614	10.82	1184468	15.74	1037026	18.24
Lower Limit [b]	105739	4.11	395284	5.18	223981	7.36	376654	9.82	296117	14.74	259257	17.24

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP13677-BS	181140	4.60	670287	5.68	382717	7.86	644402	10.32	517084	15.23	446611	17.73
OP13677-MB	175396	4.60	646896	5.68	366447	7.85	617211	10.32	494387	15.23	435884	17.73
ZZZZZZ	190392	4.60	707985	5.68	403178	7.85	674166	10.32	528342	15.23	447230	17.73
ZZZZZZ	174926	4.60	645252	5.68	375345	7.85	650406	10.32	530240	15.23	456513	17.73
ZZZZZZ	187876	4.60	688958	5.68	393753	7.85	669058	10.32	533664	15.23	464578	17.73
ZZZZZZ	208895	4.60	785085	5.68	447055	7.85	767290	10.32	601893	15.23	500800	17.73
ZZZZZZ	196365	4.60	726319	5.68	410154	7.85	703532	10.32	570186	15.23	486313	17.73
ZZZZZZ	190090	4.60	698354	5.68	391907	7.85	657223	10.32	498247	15.23	413849	17.73
ZZZZZZ	194733	4.60	702976	5.68	397116	7.85	668791	10.31	506930	15.23	417290	17.73
ZZZZZZ	201518	4.60	741266	5.68	422995	7.85	716840	10.32	578104	15.23	487960	17.73
ZZZZZZ	201597	4.60	729026	5.68	407272	7.85	684615	10.32	528819	15.23	456247	17.73
ZZZZZZ	199260	4.60	749361	5.68	423385	7.85	716975	10.32	578322	15.23	499194	17.73
ZZZZZZ	211524	4.60	796055	5.68	466989	7.85	798078	10.32	647756	15.23	554577	17.73
ZZZZZZ	188669	4.60	700836	5.68	399568	7.85	674870	10.31	526103	15.23	452969	17.73
ZZZZZZ	187541	4.60	689602	5.68	391697	7.85	671227	10.31	529669	15.22	463478	17.73
ZZZZZZ	182821	4.60	666211	5.68	377597	7.85	643891	10.31	517745	15.23	452646	17.73
F32732-3	185058	4.60	670616	5.68	385884	7.85	645649	10.31	516743	15.22	451440	17.73
OP13677-MS	192391	4.60	708061	5.68	392909	7.86	672736	10.32	541297	15.23	474489	17.73
OP13677-MSD	207171	4.60	771791	5.68	444644	7.86	762667	10.32	598985	15.23	513394	17.73
OP13676-BS [c]	184624	4.60	685350	5.68	393419	7.85	668306	10.32	523430	15.23	450878	17.73
OP13676-MB	187641	4.60	697002	5.68	388726	7.85	652301	10.31	518588	15.22	460738	17.72
F32730-1 [d]	184732	4.60	703927	5.68	399899	7.85	684423	10.31	561732	15.22	504526	17.73
F32730-2 [d]	202421	4.60	748827	5.68	422828	7.85	722061	10.31	570162	15.22	498647	17.72
F32730-3	220100	4.60	825342	5.68	464965	7.85	792133	10.31	613233	15.22	501429	17.72
OP13676-MS	196767	4.60	729962	5.68	409224	7.85	685577	10.32	539746	15.23	462743	17.73
OP13676-MSD	228359	4.60	857332	5.68	483735	7.86	816745	10.32	630367	15.23	529606	17.73
F32730-4 [d]	187068	4.60	708036	5.68	403315	7.85	686774	10.31	563664	15.22	496094	17.72
F32730-5 [d]	194670	4.60	729052	5.68	407011	7.85	691797	10.31	549474	15.22	473823	17.72
F32730-6 [d]	182275	4.60	684173	5.68	388738	7.85	671027	10.31	534617	15.22	460808	17.72
F32730-7 [d]	225819	4.60	830742	5.68	460336	7.85	765391	10.31	565868	15.22	486899	17.72
F32730-8 [d]	188335	4.60	707082	5.68	393610	7.85	669164	10.31	526444	15.22	453669	17.72
F32730-9 [d]	193615	4.60	726924	5.68	409986	7.85	697796	10.31	570056	15.22	495885	17.72
F32730-10 [d]	186947	4.60	682149	5.68	372150	7.85	621735	10.31	481506	15.22	426048	17.72
F32730-11 [d]	188877	4.60	704825	5.68	388797	7.85	669500	10.31	540967	15.22	466591	17.72
F32730-12 [d]	193284	4.60	726657	5.68	413320	7.85	718073	10.31	590083	15.22	508950	17.72

Semivolatile Internal Standard Area Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	SF571-CC569	**Injection Date:**	06/27/05
Lab File ID:	F010080.D	**Injection Time:**	09:16
Instrument ID:	GCMSF	**Method:**	EPA 625

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT
F32730-13 [d]	193861	4.60	715312	5.68	400269	7.85	679213	10.31	533485	15.22	456897	17.72
F32730-14 [d]	205404	4.60	741579	5.68	402767	7.85	664158	10.31	493370	15.22	422709	17.72
F32730-15 [d]	195644	4.60	716030	5.68	392857	7.85	645511	10.31	473901	15.22	399247	17.72
F32730-16 [d]	186981	4.60	691842	5.68	388052	7.85	658981	10.31	506900	15.22	429946	17.72

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Batch re-extracted to confirm sample results.
(d) Confirmed by re-extraction and reanalysis beyond holdtime.

Semivolatile Internal Standard Area Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SF574-CC569 **Injection Date:** 06/30/05
Lab File ID: F010165.D **Injection Time:** 10:07
Instrument ID: GCMSF **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	207422	4.60	783315	5.68	441688	7.85	751918	10.31	594800	15.23	507816	17.72
Upper Limit [a]	414844	5.10	1566630	6.18	883376	8.35	1503836	10.81	1189600	15.73	1015632	18.22
Lower Limit [b]	103711	4.10	391658	5.18	220844	7.35	375959	9.81	297400	14.73	253908	17.22

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP13712-BS	190580	4.60	698007	5.68	384182	7.85	634869	10.31	504498	15.23	436378	17.72
OP13712-MB	186177	4.60	703451	5.67	397351	7.85	675847	10.31	558902	15.22	490252	17.72
F32730-1 [c]	192110	4.60	703241	5.67	382660	7.85	652650	10.31	522179	15.22	467255	17.72
F32730-2 [c]	183917	4.60	687693	5.67	393037	7.85	659730	10.31	531244	15.22	472532	17.72
F32730-4 [c]	186829	4.60	680465	5.67	368633	7.85	615429	10.31	495538	15.22	437185	17.72
F32730-5 [c]	192865	4.60	708678	5.67	403684	7.85	694627	10.31	584704	15.22	503361	17.72
F32730-6 [c]	182560	4.60	678792	5.67	384703	7.85	657330	10.31	536438	15.22	461240	17.72
F32730-7 [c]	187827	4.60	701913	5.67	406110	7.85	692080	10.31	576999	15.22	501060	17.72
F32730-8 [c]	179159	4.60	683963	5.67	393136	7.85	672700	10.31	558253	15.22	475185	17.72
F32730-9 [c]	240796	4.60	876848	5.67	495279	7.85	817930	10.31	660482	15.22	562830	17.72
F32730-10 [c]	193287	4.60	707942	5.67	392703	7.85	663374	10.31	537346	15.22	477803	17.72
F32730-11 [c]	188881	4.60	713293	5.67	405056	7.85	696433	10.31	560854	15.22	479056	17.72
F32730-12 [c]	197075	4.60	732814	5.67	404437	7.85	678816	10.31	566113	15.22	509160	17.72
F32730-13 [c]	203404	4.60	754110	5.68	418624	7.85	718518	10.31	576137	15.22	498730	17.72
F32730-14 [c]	180937	4.60	675604	5.67	388884	7.85	670028	10.31	586784	15.22	516173	17.72
F32730-15 [c]	190049	4.60	719955	5.67	402421	7.85	672126	10.31	515945	15.22	441542	17.72
F32730-16 [c]	214946	4.60	787594	5.67	434747	7.85	706223	10.31	544218	15.22	470152	17.72

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Confirmation run.

Semivolatile Surrogate Recovery Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F32730-1	F010168.D	40.0	20.0	93.0	79.0	92.0	89.0
F32730-1	F010102.D	45.0	25.0	91.0	72.0	83.0	88.0
F32730-2	F010169.D	40.0	21.0	93.0	74.0	86.0	89.0
F32730-2	F010103.D	48.0	26.0	95.0	76.0	87.0	92.0
F32730-3	F010104.D	46.0	25.0	94.0	72.0	83.0	90.0
F32730-4	F010170.D	38.0	20.0	91.0	73.0	86.0	89.0
F32730-4	F010107.D	47.0	26.0	93.0	74.0	84.0	91.0
F32730-5	F010171.D	46.0	24.0	98.0	79.0	91.0	90.0
F32730-5	F010108.D	42.0	23.0	87.0	65.0	75.0	87.0
F32730-6	F010172.D	40.0	21.0	92.0	77.0	89.0	89.0
F32730-6	F010109.D	42.0	23.0	87.0	69.0	79.0	90.0
F32730-7	F010173.D	41.0	22.0	96.0	72.0	83.0	85.0
F32730-7	F010110.D	47.0	26.0	96.0	76.0	87.0	96.0
F32730-8	F010174.D	40.0	22.0	94.0	72.0	82.0	84.0
F32730-8	F010111.D	44.0	24.0	88.0	69.0	79.0	87.0
F32730-9	F010175.D	40.0	21.0	87.0	68.0	79.0	83.0
F32730-9	F010112.D	35.0	19.0	84.0	62.0	73.0	80.0
F32730-10	F010176.D	46.0	24.0	99.0	76.0	88.0	91.0
F32730-10	F010113.D	42.0	22.0	95.0	75.0	88.0	93.0
F32730-11	F010177.D	45.0	24.0	96.0	76.0	87.0	90.0
F32730-11	F010114.D	42.0	22.0	95.0	74.0	86.0	93.0
F32730-12	F010178.D	39.0	21.0	93.0	69.0	80.0	83.0
F32730-12	F010115.D	38.0	21.0	90.0	70.0	79.0	85.0
F32730-13	F010179.D	40.0	22.0	94.0	72.0	81.0	85.0
F32730-13	F010116.D	41.0	22.0	96.0	73.0	83.0	90.0
F32730-14	F010180.D	25.0	14.0	76.0	57.0	65.0	69.0
F32730-14	F010117.D	31.0	17.0	78.0	57.0	67.0	79.0
F32730-15	F010181.D	42.0	23.0	91.0	71.0	82.0	90.0
F32730-15	F010118.D	41.0	22.0	89.0	70.0	80.0	89.0
F32730-16	F010182.D	46.0	24.0	96.0	74.0	86.0	87.0
F32730-16	F010119.D	41.0	22.0	89.0	72.0	84.0	87.0
OP13676-BS	F010100.D	40.0	25.0	84.0	55.0	66.0	85.0
OP13676-MB	F010101.D	39.0	22.0	74.0	55.0	62.0	79.0
OP13676-MS	F010105.D	69.0	45.0	96.0	78.0	89.0	93.0
OP13676-MSD	F010106.D	66.0	43.0	95.0	78.0	87.0	92.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	19-90%

Semivolatile Surrogate Recovery Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Surrogate Compounds	Recovery Limits
S2 = Phenol-d5	10-68%
S3 = 2,4,6-Tribromophenol	36-137%
S4 = Nitrobenzene-d5	49-119%
S5 = 2-Fluorobiphenyl	45-118%
S6 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICC569
Lab FileID: F010039.D

Response Factor Report MS-F

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jun 23 14:30:01 2005
Response via : Initial Calibration

Calibration Files
5 =F010036.D 25 =F010037.D 50 =F010038.D 75 =F010039.D
100 =F010040.D 125 =F010041.D icv =F009976.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.490	0.411	0.409	0.411	0.424	0.405		0.425	7.70
3) N-nitrosodimethyl	0.661	0.512	0.501	0.520	0.681	0.634		0.585	14.13
4) Pyridine	1.542	1.007	0.910	1.085	1.254	1.193		1.165	19.10
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9905									
Response Ratio = 0.00000 + 0.90252 *A + 0.10448 *A^2									
5) Benzaldehyde	0.995	1.036	1.028	0.926	0.802			0.958	10.16
6) Aniline	2.063	2.240	2.057	2.023	2.193	2.090		2.111	4.07
7)S 2-Fluorophenol	1.193	1.236	1.192	1.198	1.237	1.240		1.216	1.95
8) bis(2-Chloroethyl	1.046	1.132	1.118	1.130	1.134	1.151		1.119	3.30
9)S Phenol-d5	1.710	1.873	1.698	1.645	1.801	1.724		1.742	4.70
10)C Phenol	1.794	1.990	1.822	1.788	1.932	1.879		1.868	4.37
11) 2-Chlorophenol	1.355	1.432	1.388	1.389	1.450	1.414		1.405	2.45
12) 1,3-Dichlorobenze	1.472	1.503	1.483	1.488	1.498	1.487		1.489	0.74
13)C 1,4-Dichlorobenze	1.515	1.560	1.537	1.531	1.531	1.530		1.534	0.96
14) 1,2-Dichlorobenze	1.432	1.458	1.432	1.425	1.434	1.408		1.431	1.13
15) Benzyl alcohol	0.725	0.929	0.870	0.878	0.923	0.904		0.871	8.67
16) bis(2-chloroisopr	1.667	1.698	1.748	1.751	1.735	1.730		1.721	1.90
17) 2-Methylphenol	1.267	1.343	1.251	1.216	1.287	1.263		1.271	3.33
18) Acetophenone	1.809	1.897	1.870	1.891	1.863	1.847		1.863	1.71
19) Hexachloroethane	0.554	0.575	0.577	0.590	0.582	0.578		0.576	2.07
20)P N-Nitroso-di-n-pr	0.910	1.001	0.955	0.981	1.001	0.981		0.971	3.56
21) 3&4-Methylphenol	1.355	1.399	1.298	1.286	1.366	1.345		1.341	3.18
22) I Naphthalene-d8	ISTD								
23)S Nitrobenzene-d5	0.400	0.419	0.413	0.416	0.419	0.410		0.413	1.70
24) Nitrobenzene	0.387	0.390	0.397	0.396	0.403	0.393		0.395	1.46
25) Isophorone	0.617	0.646	0.659	0.667	0.674	0.650		0.652	3.11
26)C 2-Nitrophenol	0.196	0.204	0.209	0.210	0.214	0.208		0.207	3.00
27) 2,4-Dimethylpheno	0.363	0.381	0.379	0.393	0.391	0.383		0.382	2.82
28) bis(2-Chloroethox	0.366	0.376	0.398	0.403	0.390	0.390		0.387	3.63
29) Benzoic Acid		0.262	0.269	0.278	0.297	0.289		0.279	5.06
30)C 2,4-Dichloropheno	0.297	0.314	0.317	0.321	0.324	0.314		0.314	2.97
31) 1,2,4-Trichlorobe	0.318	0.333	0.341	0.347	0.335	0.329		0.334	2.94
32) Naphthalene	1.058	1.118	1.118	1.136	1.131	1.114		1.112	2.52
33) 4-Chloroaniline	0.449	0.485	0.477	0.473	0.481	0.462		0.471	2.86
34) 2,6-Dichloropheno	0.282	0.298	0.305	0.305	0.305	0.290		0.297	3.32
35)C Hexachlorobutadie	0.159	0.168	0.180	0.191	0.176	0.176		0.175	6.17
36) Caprolactam	0.168	0.171	0.172	0.167	0.185	0.171		0.172	3.70
37)C 4-Chloro-3-methyl	0.314	0.349	0.335	0.337	0.348	0.332		0.336	3.79
38) 2-Methylnaphthale	0.652	0.695	0.713	0.727	0.728	0.709		0.704	4.03
39) 1-Methylnaphthale	0.635	0.676	0.697	0.692	0.694	0.674		0.678	3.40
40) 1,2,4,5-Tetrachlo	0.311	0.331	0.337	0.337	0.337	0.323		0.329	3.16
41) I Acenaphthene-d10	ISTD								

Initial Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICC569
Lab FileID: F010039.D

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42)P Hexachlorocyclope 0.077 0.143 0.209 0.264 0.247 0.289       0.205  39.32
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9919
              Response Ratio = 0.00000 + 0.16416 *A + 0.03912 *A^2

43)C 2,4,6-Trichloroph 0.369 0.400 0.395 0.408 0.400 0.398       0.395   3.39
44)  2,4,5-Trichloroph 0.415 0.430 0.425 0.430 0.430 0.419       0.425   1.52
45)S 2-Fluorobiphenyl  1.350 1.362 1.418 1.448 1.374 1.400       1.392   2.66
46)  1,1'-Biphenyl     1.461 1.493 1.579 1.597 1.486 1.521       1.523   3.56
47)  2-Chloronaphthale 1.151 1.192 1.206 1.225 1.181 1.196       1.192   2.09
48)  2-Nitroaniline    0.386 0.425 0.408 0.409 0.423 0.410       0.410   3.43
49)  Acenaphthylene    1.921 2.027 2.026 2.051 2.054 2.018       2.016   2.42
50)  Dimethylphthalate 1.301 1.353 1.397 1.404 1.406 1.367       1.371   2.97
51)  2,6-Dinitrotoluen 0.330 0.340 0.340 0.337 0.333 0.329       0.335   1.43
52)C Acenaphthene      1.159 1.201 1.227 1.230 1.216 1.203       1.206   2.14
53)  3-Nitroaniline    0.346 0.383 0.375 0.364 0.386 0.373       0.371   3.91
54)P 2,4-Dinitrophenol 0.047 0.098 0.136 0.149 0.179 0.191       0.133  40.20
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.09186 *A + 0.03239 *A^2

55)  Dibenzofuran      1.639 1.691 1.720 1.749 1.745 1.715       1.710   2.38
56)  2,4-Dinitrotoluen 0.390 0.429 0.435 0.439 0.453 0.433       0.430   4.90
57)P 4-Nitrophenol     0.176 0.193 0.184 0.179 0.203 0.192       0.188   5.42
58)  2,3,4,6-Tetrachlo 0.256 0.278 0.299 0.307 0.321 0.307       0.295   7.98
59)  Fluorene          1.320 1.359 1.406 1.436 1.421 1.375       1.386   3.11
60)  4-Chlorophenyl-ph 0.600 0.631 0.664 0.672 0.650 0.638       0.643   4.05
61)  Diethylphthalate  1.216 1.270 1.369 1.421 1.373 1.361       1.335   5.72
62)  4-Nitroaniline    0.348 0.395 0.383 0.368 0.410 0.371       0.379   5.74

63) I   Phenanthrene-d10      ----------------ISTD---------------------
64)  4,6-Dinitro-2-met       0.129 0.140 0.155 0.161 0.163       0.149   9.68
65)C n-Nitrosodiphenyl 0.523 0.585 0.581 0.593 0.568 0.580       0.572   4.42
66)  1,2-Diphenylhydra 0.702 0.737 0.783 0.808 0.764 0.799       0.766   5.26
67)S 2,4,6-Tribromophe 0.067 0.073 0.072 0.073 0.070 0.071       0.071   3.07
68)  4-Bromophenyl-phe 0.189 0.192 0.196 0.200 0.190 0.193       0.193   2.11
69)  Hexachlorobenzene 0.176 0.173 0.178 0.178 0.177 0.177       0.176   0.91
70)  Atrazine          0.200 0.216 0.233 0.232 0.210 0.214       0.218   5.85
71)C Pentachlorophenol       0.053 0.063 0.072 0.078 0.084       0.070  17.38
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9951
              Response Ratio = 0.00000 + 0.07825 *A

72)  Phenanthrene      1.142 1.168 1.168 1.187 1.158 1.176       1.166   1.32
73)  Anthracene        1.155 1.192 1.188 1.212 1.203 1.192       1.190   1.62
74)  Carbazole         1.083 1.125 1.109 1.115 1.131 1.073       1.106   2.09
75)  Di-n-butylphthala 1.140 1.202 1.309 1.366 1.313 1.316       1.275   6.66
76)C Fluoranthene      1.114 1.161 1.199 1.198 1.220 1.167       1.176   3.21

77) I   Chrysene-d12          ----------------ISTD---------------------
78)  Benzidine               1.007 1.018 1.047 0.980 0.949       1.000   3.75
79)  Pyrene            1.575 1.580 1.572 1.623 1.514 1.614       1.580   2.44
80)S Terphenyl-d14     0.856 0.894 0.908 0.953 0.881 0.953       0.907   4.30
81)  Butylbenzylphthal 0.654 0.692 0.726 0.757 0.715 0.749       0.715   5.36
82)  3,3'-Dichlorobenz 0.479 0.505 0.517 0.528 0.507 0.497       0.506   3.31
83)  Benzo[a]anthracen 1.376 1.379 1.400 1.435 1.403 1.410       1.401   1.55
84)  Chrysene          1.277 1.296 1.325 1.369 1.322 1.312       1.317   2.36
85)  bis(2-Ethylhexyl) 0.876 0.927 1.010 1.039 0.985 1.044       0.980   6.80

86) I   Perylene-d12          ----------------ISTD---------------------
87)C Di-n-octylphthala 1.750 1.847 1.931 2.041 1.833 2.025       1.904   6.06
88)  Benzo[b]fluoranth 1.398 1.409 1.405 1.499 1.426 1.451       1.431   2.67
89)  Benzo[k]fluoranth 1.328 1.392 1.424 1.489 1.394 1.447       1.412   3.89
```

Initial Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICC569
Lab FileID: F010039.D

90)C Benzo[a]pyrene	1.282	1.374	1.408	1.435	1.393	1.406	1.383	3.86
91) Indeno[1,2,3-cd]p	1.014	1.148	1.220	1.157	1.232	1.169	1.157	6.74
92) Dibenz[a,h]anthra	1.033	1.153	1.225	1.174	1.226	1.233	1.174	6.49
93) Benzo[g,h,i]peryl	1.160	1.295	1.368	1.268	1.344	1.251	1.281	5.78

(#) = Out of Range

8270C.M Fri Jun 24 11:17:17 2005

Initial Calibration Verification

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICV569
Lab FileID: F010042.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\062305\F010042.D Vial: 8
Acq On : 23 Jun 2005 1:57 pm Operator: nareshj
Sample : icv569-50 Inst : MS-F
Misc : op13595,sf569,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jun 23 14:30:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	102	0.00	4.63
2		1,4-Dioxane	50.000	45.777	8.4	0	0.00	2.13
3		N-nitrosodimethylamine	50.000	45.969	8.1	0	0.00	2.47
		----------	Amount	Calc.	%Drift		----------	
4		Pyridine	50.000	52.630	-5.3	0	0.00	2.50
		----------	Amount	Calc.	%Drift		----------	
5		Benzaldehyde	50.000	53.619	-7.2	0	0.00	4.31
6		Aniline	50.000	45.768	8.5	0	0.00	4.39
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	59.065	-18.1	0	0.00	4.44
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	52.090	-4.2	0	0.00	4.41
11		2-Chlorophenol	50.000	53.991	-8.0	0	0.00	4.49
12		1,3-Dichlorobenzene	50.000	52.110	-4.2	0	0.00	4.59
13	C	1,4-Dichlorobenzene	50.000	52.898	-5.8	0	0.00	4.65
14		1,2-Dichlorobenzene	50.000	52.692	-5.4	0	0.00	4.76
15		Benzyl alcohol	50.000	57.631	-15.3	0	0.00	4.75
16		bis(2-chloroisopropyl)eth	50.000	54.052	-8.1	0	0.00	4.85
17		2-Methylphenol	50.000	52.748	-5.5	0	0.00	4.85
18		Acetophenone	50.000	52.560	-5.1	0	0.00	4.95
19		Hexachloroethane	50.000	53.719	-7.4	0	0.00	5.02
20	P	N-Nitroso-di-n-propylamin	50.000	53.995	-8.0	0	0.00	4.95
21		3&4-Methylphenol	100.000	107.971	-8.0	0	0.00	4.98
22	I	Naphthalene-d8	40.000	40.000	0.0	110	0.00	5.71
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	52.128	-4.3	0	0.00	5.09
25		Isophorone	50.000	55.724	-11.4	0	0.00	5.29
26	C	2-Nitrophenol	50.000	52.802	-5.6	0	0.00	5.36
27		2,4-Dimethylphenol	50.000	53.494	-7.0	0	0.00	5.41
28		bis(2-Chloroethoxy)methan	50.000	53.388	-6.8	0	0.00	5.49
29		Benzoic Acid	100.000	117.919	-17.9	0	0.02	5.55
30	C	2,4-Dichlorophenol	50.000	55.574	-11.1	0	0.00	5.60
31		1,2,4-Trichlorobenzene	50.000	53.602	-7.2	0	0.00	5.66
32		Naphthalene	50.000	52.005	-4.0	0	0.00	5.74
33		4-Chloroaniline	50.000	34.612	30.8#	0	0.00	5.80
34		2,6-Dichlorophenol	50.000	54.708	-9.4	0	0.00	5.80
35	C	Hexachlorobutadiene	50.000	53.269	-6.5	0	0.00	5.85
36		Caprolactam	50.000	54.545	-9.1	0	0.01	6.18
37	C	4-Chloro-3-methylphenol	50.000	54.834	-9.7	0	0.00	6.35

Initial Calibration Verification

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICV569
Lab FileID: F010042.D

38		2-Methylnaphthalene	50.000	56.386	-12.8	0	0.00	6.49
39		1-Methylnaphthalene	50.000	53.383	-6.8	0	0.00	6.61
40		1,2,4,5-Tetrachlorobenzen	50.000	53.333	-6.7	0	0.00	6.70
41	I	Acenaphthene-d10	40.000	40.000	0.0	116	0.00	7.90
			Amount	Calc.	%Drift			
42	P	Hexachlorocyclopentadiene	50.000	52.932	-5.9	0	0.00	6.68
			Amount	Calc.	%Drift			
43	C	2,4,6-Trichlorophenol	50.000	53.134	-6.3	0	0.00	6.86
44		2,4,5-Trichlorophenol	50.000	52.920	-5.8	0	0.00	6.92
45	S	2-Fluorobiphenyl			NA			
46		1,1'-Biphenyl	50.000	52.043	-4.1	0	0.00	7.09
47		2-Chloronaphthalene	50.000	51.635	-3.3	0	0.00	7.11
48		2-Nitroaniline	50.000	53.890	-7.8	0	0.00	7.27
49		Acenaphthylene	50.000	51.559	-3.1	0	0.00	7.69
50		Dimethylphthalate	50.000	56.275	-12.5	0	0.00	7.56
51		2,6-Dinitrotoluene	50.000	51.334	-2.7	0	0.00	7.64
52	C	Acenaphthene	50.000	53.677	-7.4	0	0.00	7.95
53		3-Nitroaniline	50.000	34.702	30.6#	0	0.00	7.88
			Amount	Calc.	%Drift			
54	P	2,4-Dinitrophenol	100.000	104.825	-4.8	0	0.00	8.06
			Amount	Calc.	%Drift			
55		Dibenzofuran	50.000	54.310	-8.6	0	0.00	8.22
56		2,4-Dinitrotoluene	50.000	54.429	-8.9	0	0.00	8.26
57	P	4-Nitrophenol	100.000	103.429	-3.4	0	0.00	8.25
58		2,3,4,6-Tetrachlorophenol	50.000	50.710	-1.4	0	0.00	8.45
59		Fluorene	50.000	53.036	-6.1	0	0.00	8.77
60		4-Chlorophenyl-phenylethe	50.000	55.632	-11.3	0	0.00	8.82
61		Diethylphthalate	50.000	56.646	-13.3	0	0.00	8.69
62		4-Nitroaniline	50.000	51.182	-2.4	0	0.00	8.87
63	I	Phenanthrene-d10	40.000	40.000	0.0	120	0.00	10.37
64		4,6-Dinitro-2-methylpheno	100.000	117.343	-17.3	0	0.00	8.94
65	C	n-Nitrosodiphenylamine	50.000	54.036	-8.1	0	0.00	9.03
66		1,2-Diphenylhydrazine	50.000	54.162	-8.3	0	0.00	9.08
67	S	2,4,6-Tribromophenol			NA			
68		4-Bromophenyl-phenylether	50.000	54.020	-8.0	0	0.00	9.64
69		Hexachlorobenzene	50.000	53.246	-6.5	0	0.00	9.69
70		Atrazine	50.000	55.416	-10.8	0	0.00	10.04
			Amount	Calc.	%Drift			
71	C	Pentachlorophenol	100.000	110.675	-10.7	0	0.00	10.09
			Amount	Calc.	%Drift			
72		Phenanthrene	50.000	53.646	-7.3	0	0.00	10.42
73		Anthracene	50.000	51.604	-3.2	0	0.00	10.51
74		Carbazole	50.000	54.222	-8.4	0	0.00	10.86
75		Di-n-butylphthalate	50.000	56.458	-12.9	0	0.00	11.65
76	C	Fluoranthene	50.000	56.381	-12.8	0	0.00	12.59
77	I	Chrysene-d12	40.000	40.000	0.0	127	0.00	15.29
78		Benzidine			NA			
79		Pyrene	50.000	52.404	-4.8	0	0.00	12.99
80	S	Terphenyl-d14			NA			
81		Butylbenzylphthalate	50.000	55.630	-11.3	0	0.00	14.46
82		3,3'-Dichlorobenzidine	50.000	1.586	96.8#	0	0.00	15.33

Initial Calibration Verification

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICV569
Lab FileID: F010042.D

83		Benzo[a]anthracene	50.000	52.746	-5.5	0	0.00	15.28
84		Chrysene	50.000	54.353	-8.7	0	0.00	15.34
85		bis(2-Ethylhexyl)phthalat	50.000	55.892	-11.8	0	0.00	15.65
86	I	Perylene-d12	40.000	40.000	0.0	127	0.00	17.79
87	C	Di-n-octylphthalate	50.000	58.296	-16.6	0	0.00	16.84
88		Benzo[b]fluoranthene	50.000	55.017	-10.0	0	0.00	17.19
89		Benzo[k]fluoranthene	50.000	54.857	-9.7	0	0.00	17.23
90	C	Benzo[a]pyrene	50.000	51.923	-3.8	0	0.00	17.70
91		Indeno[1,2,3-cd]pyrene	50.000	54.046	-8.1	0	0.00	19.38
92		Dibenz[a,h]anthracene	50.000	52.622	-5.2	0	0.00	19.43
93		Benzo[g,h,i]perylene	50.000	51.610	-3.2	0	0.00	19.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F009976.D 8270C.M Fri Jun 24 11:17:53 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF571-CC569
Lab FileID: F010080.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\062705\F010080.D Vial: 2
Acq On : 27 Jun 2005 9:16 am Operator: nareshj
Sample : cc569-75 Inst : MS-F
Misc : op13672,sf571,30.0,,,1,1,soil Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jun 23 14:30:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	155	-0.02	4.61
2		1,4-Dioxane	0.425	0.379	10.8	143	-0.03	2.10
3		N-nitrosodimethylamine	0.585	0.571	2.4	170	-0.03	2.43
		----------	Amount	Calc.	%Drift	----------		
4		Pyridine	75.000	78.194	-4.3	165	-0.03	2.46
		----------	AvgRF	CCRF	%Dev	----------		
5		Benzaldehyde	0.958	0.572	40.3#	96	-0.02	4.29
6		Aniline	2.111	1.982	6.1	152	-0.02	4.37
7	S	2-Fluorophenol	1.216	1.202	1.2	155	-0.03	3.64
8		bis(2-Chloroethyl)ether	1.119	1.105	1.3	151	-0.02	4.42
9	S	Phenol-d5	1.742	1.601	8.1	151	-0.02	4.38
10	C	Phenol	1.868	1.734	7.2	150	-0.02	4.39
11		2-Chlorophenol	1.405	1.383	1.6	154	-0.02	4.46
12		1,3-Dichlorobenzene	1.489	1.540	-3.4	160	-0.03	4.56
13	C	1,4-Dichlorobenzene	1.534	1.560	-1.7	158	-0.03	4.62
14		1,2-Dichlorobenzene	1.431	1.462	-2.2	159	-0.03	4.73
15		Benzyl alcohol	0.871	0.858	1.5	151	-0.03	4.73
16		bis(2-chloroisopropyl)eth	1.721	1.600	7.0	141	-0.02	4.82
17		2-Methylphenol	1.271	1.249	1.7	159	-0.03	4.82
18		Acetophenone	1.863	1.878	-0.8	154	-0.02	4.93
19		Hexachloroethane	0.576	0.588	-2.1	154	-0.03	4.99
20	P	N-Nitroso-di-n-propylamin	0.971	0.963	0.8	152	-0.02	4.93
21		3&4-Methylphenol	1.341	1.307	2.5	157	-0.02	4.95
22	I	Naphthalene-d8	1.000	1.000	0.0	163	-0.03	5.68
23	S	Nitrobenzene-d5	0.413	0.387	6.3	152	-0.03	5.05
24		Nitrobenzene	0.395	0.373	5.6	153	-0.03	5.06
25		Isophorone	0.652	0.635	2.6	155	-0.02	5.27
26	C	2-Nitrophenol	0.207	0.214	-3.4	166	-0.03	5.33
27		2,4-Dimethylphenol	0.382	0.380	0.5	158	-0.03	5.39
28		bis(2-Chloroethoxy)methan	0.387	0.377	2.6	152	-0.03	5.46
29		Benzoic Acid	0.279	0.286	-2.5	168	0.00	5.53
30	C	2,4-Dichlorophenol	0.314	0.322	-2.5	164	-0.03	5.56
31		1,2,4-Trichlorobenzene	0.334	0.341	-2.1	160	-0.03	5.63
32		Naphthalene	1.112	1.096	1.4	157	-0.03	5.70
33		4-Chloroaniline	0.471	0.455	3.4	157	-0.03	5.77
34		2,6-Dichlorophenol	0.297	0.294	1.0	157	-0.03	5.77
35	C	Hexachlorobutadiene	0.175	0.187	-6.9	160	-0.03	5.82
36		Caprolactam	0.172	0.150	12.8	146	0.00	6.17
37	C	4-Chloro-3-methylphenol	0.336	0.334	0.6	161	-0.03	6.32

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF571-CC569
Lab FileID: F010080.D

38		2-Methylnaphthalene	0.704	0.723	-2.7	162	-0.04	6.45
39		1-Methylnaphthalene	0.678	0.692	-2.1	163	-0.04	6.57
40		1,2,4,5-Tetrachlorobenzen	0.329	0.332	-0.9	161	-0.04	6.66
41	I	Acenaphthene-d10	1.000	1.000	0.0	166	-0.04	7.86
		----------	Amount	Calc.	%Drift		----------	
42	P	Hexachlorocyclopentadiene	75.000	91.121	-21.5#	194	-0.04	6.64
		----------	AvgRF	CCRF	%Dev		----------	
43	C	2,4,6-Trichlorophenol	0.395	0.405	-2.5	165	-0.04	6.82
44		2,4,5-Trichlorophenol	0.425	0.431	-1.4	166	-0.04	6.88
45	S	2-Fluorobiphenyl	1.392	1.402	-0.7	161	-0.04	6.93
46		1,1'-Biphenyl	1.523	1.591	-4.5	166	-0.04	7.05
47		2-Chloronaphthalene	1.192	1.209	-1.4	164	-0.04	7.07
48		2-Nitroaniline	0.410	0.390	4.9	159	-0.04	7.24
49		Acenaphthylene	2.016	2.033	-0.8	165	-0.04	7.65
50		Dimethylphthalate	1.371	1.414	-3.1	167	-0.03	7.53
51		2,6-Dinitrotoluene	0.335	0.334	0.3	165	-0.04	7.61
52	C	Acenaphthene	1.206	1.223	-1.4	165	-0.04	7.91
53		3-Nitroaniline	0.371	0.362	2.4	165	-0.04	7.85
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	75.000	88.467	-18.0	216	-0.04	8.02
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.710	1.731	-1.2	164	-0.04	8.18
56		2,4-Dinitrotoluene	0.430	0.443	-3.0	168	-0.04	8.22
57	P	4-Nitrophenol	0.188	0.192	-2.1	178	-0.04	8.21
58		2,3,4,6-Tetrachlorophenol	0.295	0.330	-11.9	179	-0.04	8.41
59		Fluorene	1.386	1.402	-1.2	162	-0.04	8.73
60		4-Chlorophenyl-phenylethe	0.643	0.658	-2.3	163	-0.05	8.77
61		Diethylphthalate	1.335	1.407	-5.4	165	-0.04	8.65
62		4-Nitroaniline	0.379	0.371	2.1	168	-0.03	8.84
63	I	Phenanthrene-d10	1.000	1.000	0.0	165	-0.05	10.32
64		4,6-Dinitro-2-methylpheno	0.149	0.169	-13.4	180	-0.04	8.89
65	C	n-Nitrosodiphenylamine	0.572	0.593	-3.7	165	-0.04	8.99
66		1,2-Diphenylhydrazine	0.766	0.771	-0.7	158	-0.04	9.04
67	S	2,4,6-Tribromophenol	0.071	0.076	-7.0	174	-0.04	9.14
68		4-Bromophenyl-phenylether	0.193	0.196	-1.6	162	-0.05	9.60
69		Hexachlorobenzene	0.176	0.180	-2.3	167	-0.05	9.65
70		Atrazine	0.218	0.225	-3.2	160	-0.04	9.99
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	75.000	88.406	-17.9	211	-0.05	10.04
		----------	AvgRF	CCRF	%Dev		----------	
72		Phenanthrene	1.166	1.173	-0.6	163	-0.05	10.37
73		Anthracene	1.190	1.195	-0.4	163	-0.05	10.46
74		Carbazole	1.106	1.092	1.3	162	-0.05	10.81
75		Di-n-butylphthalate	1.275	1.359	-6.6	164	-0.04	11.61
76	C	Fluoranthene	1.176	1.205	-2.5	166	-0.05	12.54
77	I	Chrysene-d12	1.000	1.000	0.0	162	-0.05	15.24
78		Benzidine	1.000	0.889	11.1	138	-0.05	12.90
79		Pyrene	1.580	1.641	-3.9	164	-0.05	12.94
80	S	Terphenyl-d14	0.907	0.963	-6.2	164	-0.05	13.37
81		Butylbenzylphthalate	0.715	0.767	-7.3	164	-0.05	14.41
82		3,3'-Dichlorobenzidine	0.506	0.511	-1.0	157	-0.05	15.29

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF571-CC569
Lab FileID: F010080.D

83		Benzo[a]anthracene	1.401	1.440	-2.8	163	-0.05	15.23
84		Chrysene	1.317	1.358	-3.1	161	-0.04	15.30
85		bis(2-Ethylhexyl)phthalat	0.980	1.032	-5.3	161	-0.05	15.60
86	I	Perylene-d12	1.000	1.000	0.0	161	-0.05	17.74
87	C	Di-n-octylphthalate	1.904	2.036	-6.9	161	-0.04	16.80
88		Benzo[b]fluoranthene	1.431	1.515	-5.9	163	-0.05	17.14
89		Benzo[k]fluoranthene	1.412	1.467	-3.9	159	-0.05	17.19
90	C	Benzo[a]pyrene	1.383	1.438	-4.0	161	-0.05	17.65
91		Indeno[1,2,3-cd]pyrene	1.157	1.224	-5.8	170	-0.05	19.33
92		Dibenz[a,h]anthracene	1.174	1.166	0.7	160	-0.05	19.38
93		Benzo[g,h,i]perylene	1.281	1.327	-3.6	169	-0.05	19.68

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F010039.D 8270C.M Tue Jun 28 10:07:02 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF574-CC569
Lab FileID: F010165.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\063005\F010165.D Vial: 2
Acq On : 30 Jun 2005 10:07 am Operator: nareshj
Sample : cc569-50 Inst : MS-F
Misc : op13711,sf574,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jun 23 14:30:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	183	-0.03	4.60
2		1,4-Dioxane	0.425	0.382	10.1	171	-0.03	2.10
3		N-nitrosodimethylamine	0.585	0.582	0.5	213#	-0.03	2.43
			Amount	Calc.	%Drift			
4		Pyridine	50.000	48.277	3.4	200	-0.03	2.47
			AvgRF	CCRF	%Dev			
5		Benzaldehyde	0.958	1.025	-7.0	182	-0.03	4.28
6		Aniline	2.111	1.986	5.9	177	-0.03	4.37
7	S	2-Fluorophenol	1.216	1.189	2.2	182	-0.03	3.64
8		bis(2-Chloroethyl)ether	1.119	1.092	2.4	179	-0.03	4.42
9	S	Phenol-d5	1.742	1.582	9.2	170	-0.03	4.37
10	C	Phenol	1.868	1.724	7.7	173	-0.03	4.38
11		2-Chlorophenol	1.405	1.375	2.1	181	-0.03	4.46
12		1,3-Dichlorobenzene	1.489	1.525	-2.4	188	-0.03	4.56
13	C	1,4-Dichlorobenzene	1.534	1.555	-1.4	185	-0.03	4.61
14		1,2-Dichlorobenzene	1.431	1.451	-1.4	185	-0.03	4.73
15		Benzyl alcohol	0.871	0.880	-1.0	185	-0.03	4.72
16		bis(2-chloroisopropyl)eth	1.721	1.681	2.3	176	-0.03	4.82
17		2-Methylphenol	1.271	1.246	2.0	182	-0.03	4.82
18		Acetophenone	1.863	1.989	-6.8	195	-0.03	4.92
19		Hexachloroethane	0.576	0.584	-1.4	185	-0.03	4.99
20	P	N-Nitroso-di-n-propylamin	0.971	0.971	0.0	186	-0.03	4.92
21		3&4-Methylphenol	1.341	1.315	1.9	185	-0.03	4.94
22	I	Naphthalene-d8	1.000	1.000	0.0	189	-0.04	5.68
23	S	Nitrobenzene-d5	0.413	0.383	7.3	175	-0.03	5.04
24		Nitrobenzene	0.395	0.370	6.3	176	-0.03	5.06
25		Isophorone	0.652	0.627	3.8	180	-0.03	5.27
26	C	2-Nitrophenol	0.207	0.211	-1.9	190	-0.03	5.33
27		2,4-Dimethylphenol	0.382	0.373	2.4	186	-0.03	5.38
28		bis(2-Chloroethoxy)methan	0.387	0.384	0.8	183	-0.03	5.46
29		Benzoic Acid	0.279	0.252	9.7	177	-0.02	5.52
30	C	2,4-Dichlorophenol	0.314	0.319	-1.6	191	-0.04	5.56
31		1,2,4-Trichlorobenzene	0.334	0.340	-1.8	189	-0.04	5.62
32		Naphthalene	1.112	1.086	2.3	184	-0.04	5.70
33		4-Chloroaniline	0.471	0.456	3.2	181	-0.04	5.76
34		2,6-Dichlorophenol	0.297	0.299	-0.7	186	-0.04	5.77
35	C	Hexachlorobutadiene	0.175	0.187	-6.9	197	-0.04	5.82
36		Caprolactam	0.172	0.159	7.6	174	-0.02	6.15
37	C	4-Chloro-3-methylphenol	0.336	0.329	2.1	186	-0.04	6.31

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF574-CC569
Lab FileID: F010165.D

38		2-Methylnaphthalene	0.704	0.730	-3.7	194	-0.04	6.45
39		1-Methylnaphthalene	0.678	0.684	-0.9	186	-0.04	6.56
40		1,2,4,5-Tetrachlorobenzen	0.329	0.340	-3.3	191	-0.04	6.65
41	I	Acenaphthene-d10	1.000	1.000	0.0	189	-0.05	7.85
		----------	Amount	Calc.	%Drift	----------		
42	P	Hexachlorocyclopentadiene	50.000	60.239	-20.5#	243	-0.05	6.63
		----------	AvgRF	CCRF	%Dev	----------		
43	C	2,4,6-Trichlorophenol	0.395	0.397	-0.5	190	-0.05	6.81
44		2,4,5-Trichlorophenol	0.425	0.426	-0.2	190	-0.05	6.87
45	S	2-Fluorobiphenyl	1.392	1.427	-2.5	190	-0.04	6.92
46		1,1'-Biphenyl	1.523	1.712	-12.4	205#	-0.05	7.04
47		2-Chloronaphthalene	1.192	1.213	-1.8	190	-0.04	7.07
48		2-Nitroaniline	0.410	0.380	7.3	176	-0.04	7.23
49		Acenaphthylene	2.016	2.046	-1.5	191	-0.05	7.64
50		Dimethylphthalate	1.371	1.418	-3.4	192	-0.04	7.52
51		2,6-Dinitrotoluene	0.335	0.338	-0.9	188	-0.04	7.60
52	C	Acenaphthene	1.206	1.222	-1.3	188	-0.05	7.90
53		3-Nitroaniline	0.371	0.366	1.3	185	-0.05	7.84
		----------	Amount	Calc.	%Drift	----------		
54	P	2,4-Dinitrophenol	50.000	59.920	-19.8	234	-0.05	8.02
		----------	AvgRF	CCRF	%Dev	----------		
55		Dibenzofuran	1.710	1.741	-1.8	191	-0.05	8.17
56		2,4-Dinitrotoluene	0.430	0.447	-4.0	194	-0.05	8.22
57	P	4-Nitrophenol	0.188	0.184	2.1	189	-0.05	8.20
58		2,3,4,6-Tetrachlorophenol	0.295	0.312	-5.8	197	-0.05	8.40
59		Fluorene	1.386	1.402	-1.2	189	-0.05	8.72
60		4-Chlorophenyl-phenylethe	0.643	0.676	-5.1	192	-0.05	8.76
61		Diethylphthalate	1.335	1.396	-4.6	193	-0.05	8.64
62		4-Nitroaniline	0.379	0.371	2.1	183	-0.05	8.82
63	I	Phenanthrene-d10	1.000	1.000	0.0	188	-0.06	10.31
64		4,6-Dinitro-2-methylpheno	0.149	0.158	-6.0	212#	-0.05	8.88
65	C	n-Nitrosodiphenylamine	0.572	0.587	-2.6	190	-0.05	8.98
66		1,2-Diphenylhydrazine	0.766	0.766	0.0	184	-0.05	9.03
67	S	2,4,6-Tribromophenol	0.071	0.080	-12.7	208#	-0.05	9.13
68		4-Bromophenyl-phenylether	0.193	0.198	-2.6	190	-0.06	9.59
69		Hexachlorobenzene	0.176	0.184	-4.5	195	-0.06	9.64
70		Atrazine	0.218	0.246	-12.8	199	-0.05	9.98
		----------	Amount	Calc.	%Drift	----------		
71	C	Pentachlorophenol	50.000	56.980	-14.0	265	-0.06	10.03
		----------	AvgRF	CCRF	%Dev	----------		
72		Phenanthrene	1.166	1.185	-1.6	191	-0.06	10.36
73		Anthracene	1.190	1.200	-0.8	190	-0.06	10.45
74		Carbazole	1.106	1.096	0.9	186	-0.06	10.80
75		Di-n-butylphthalate	1.275	1.362	-6.8	196	-0.05	11.60
76	C	Fluoranthene	1.176	1.205	-2.5	189	-0.06	12.53
77	I	Chrysene-d12	1.000	1.000	0.0	182	-0.06	15.23
78		Benzidine	1.000	0.976	2.4	175	-0.06	12.89
79		Pyrene	1.580	1.624	-2.8	188	-0.06	12.93
80	S	Terphenyl-d14	0.907	0.974	-7.4	195	-0.06	13.35
81		Butylbenzylphthalate	0.715	0.753	-5.3	189	-0.06	14.40
82		3,3'-Dichlorobenzidine	0.506	0.509	-0.6	179	-0.06	15.27

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF574-CC569
Lab FileID: F010165.D

83		Benzo[a]anthracene	1.401	1.418	-1.2	185	-0.07	15.21
84		Chrysene	1.317	1.348	-2.4	185	-0.06	15.28
85		bis(2-Ethylhexyl)phthalat	0.980	1.013	-3.4	183	-0.06	15.59
86	I	Perylene-d12	1.000	1.000	0.0	169	-0.07	17.72
87	C	Di-n-octylphthalate	1.904	1.998	-4.9	175	-0.06	16.78
88		Benzo[b]fluoranthene	1.431	1.471	-2.8	177	-0.07	17.12
89		Benzo[k]fluoranthene	1.412	1.497	-6.0	178	-0.07	17.17
90	C	Benzo[a]pyrene	1.383	1.401	-1.3	169	-0.07	17.63
91		Indeno[1,2,3-cd]pyrene	1.157	1.114	3.7	155	-0.07	19.31
92		Dibenz[a,h]anthracene	1.174	1.070	8.9	148	-0.07	19.36
93		Benzo[g,h,i]perylene	1.281	1.210	5.5	150	-0.07	19.66

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F010038.D 8270C.M Fri Jul 01 12:53:57 2005

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3689-MB	EF052486.D	1	06/27/05	RAW	n/a	n/a	GEF3689

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-1, F32730-2, F32730-5, F32730-6, F32730-7, F32730-8, F32730-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	71-130%
98-08-8	aaa-Trifluorotoluene	97%	71-124%

Method Blank Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3691-MB	EF052538.D	1	06/29/05	TD	n/a	n/a	GEF3691

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-3, F32730-9, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	71-130%
460-00-4	4-Bromofluorobenzene	87%	71-130%
98-08-8	aaa-Trifluorotoluene	93%	71-124%
98-08-8	aaa-Trifluorotoluene	100%	71-124%

Method Blank Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-MB	EF052602.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	71-130%
98-08-8	aaa-Trifluorotoluene	103%	71-124%

Method Blank Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-MB	EF052624.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	99%	71-130%
98-08-8	aaa-Trifluorotoluene	104%	71-124%

Blank Spike Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3689-BS	EF052485.D	1	06/27/05	RAW	n/a	n/a	GEF3689

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-1, F32730-2, F32730-5, F32730-6, F32730-7, F32730-8, F32730-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	18.8	94	81-121
108-90-7	Chlorobenzene	20	19.9	100	76-120
95-50-1	1,2-Dichlorobenzene	20	19.1	96	63-127
541-73-1	1,3-Dichlorobenzene	20	19.3	97	70-124
106-46-7	1,4-Dichlorobenzene	20	17.9	90	68-121
100-41-4	Ethylbenzene	20	19.7	99	79-124
1634-04-4	Methyl Tert Butyl Ether	20	17.9	90	73-118
108-88-3	Toluene	20	19.6	98	79-122
1330-20-7	Xylenes (total)	60	57.7	96	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	71-130%
98-08-8	aaa-Trifluorotoluene	97%	71-124%

Blank Spike Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3691-BS	EF052537.D	1	06/29/05	TD	n/a	n/a	GEF3691

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-3, F32730-9, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	21.2	106	81-121
108-90-7	Chlorobenzene	20	21.9	110	76-120
95-50-1	1,2-Dichlorobenzene	20	19.6	98	63-127
541-73-1	1,3-Dichlorobenzene	20	20.1	101	70-124
106-46-7	1,4-Dichlorobenzene	20	18.4	92	68-121
100-41-4	Ethylbenzene	20	21.7	109	79-124
1634-04-4	Methyl Tert Butyl Ether	20	21.2	106	73-118
108-88-3	Toluene	20	21.5	108	79-122
1330-20-7	Xylenes (total)	60	63.8	106	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	71-130%
98-08-8	aaa-Trifluorotoluene	106%	71-124%

Blank Spike Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-BS	EF052601.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.6	98	81-121
108-90-7	Chlorobenzene	20	20.4	102	76-120
95-50-1	1,2-Dichlorobenzene	20	19.1	96	63-127
541-73-1	1,3-Dichlorobenzene	20	19.4	97	70-124
106-46-7	1,4-Dichlorobenzene	20	18.1	91	68-121
100-41-4	Ethylbenzene	20	20.2	101	79-124
1634-04-4	Methyl Tert Butyl Ether	20	19.3	97	73-118
108-88-3	Toluene	20	20.0	100	79-122
1330-20-7	Xylenes (total)	60	59.5	99	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	107%	71-130%
98-08-8	aaa-Trifluorotoluene	108%	71-124%

Blank Spike Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-BS	EF052623.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.1	101	81-121
108-90-7	Chlorobenzene	20	20.7	104	76-120
95-50-1	1,2-Dichlorobenzene	20	19.6	98	63-127
541-73-1	1,3-Dichlorobenzene	20	19.7	99	70-124
106-46-7	1,4-Dichlorobenzene	20	18.1	91	68-121
100-41-4	Ethylbenzene	20	20.4	102	79-124
1634-04-4	Methyl Tert Butyl Ether	20	20.7	104	73-118
108-88-3	Toluene	20	20.4	102	79-122
1330-20-7	Xylenes (total)	60	60.0	100	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	71-130%
98-08-8	aaa-Trifluorotoluene	108%	71-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F32605-17MS	EF052496.D	1	06/27/05	RAW	n/a	n/a	GEF3689
F32605-17MSD	EF052497.D	1	06/27/05	RAW	n/a	n/a	GEF3689
F32605-17 [a]	EF052492.D	1	06/27/05	RAW	n/a	n/a	GEF3689

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-1, F32730-2, F32730-5, F32730-6, F32730-7, F32730-8, F32730-10

CAS No.	Compound	F32605-17 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	4.5		20	24.0	98	24.1	98	0	74-126/11
108-90-7	Chlorobenzene	ND		20	20.3	102	20.4	102	0	72-124/8
95-50-1	1,2-Dichlorobenzene	ND		20	18.5	93	19.2	96	4	55-136/13
541-73-1	1,3-Dichlorobenzene	ND		20	19.4	97	19.6	98	1	65-132/16
106-46-7	1,4-Dichlorobenzene	ND		20	17.8	89	18.0	90	1	61-133/11
100-41-4	Ethylbenzene	ND		20	20.2	101	20.2	101	0	71-131/8
1634-04-4	Methyl Tert Butyl Ether	13.5		20	33.1	98	33.8	102	2	63-130/11
108-88-3	Toluene	ND		20	20.1	101	20.1	101	0	69-132/7
1330-20-7	Xylenes (total)	ND		60	59.6	99	59.6	99	0	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F32605-17	Limits
460-00-4	4-Bromofluorobenzene	101%	102%	91%	71-130%
98-08-8	aaa-Trifluorotoluene	101%	100%	96%	71-124%

(a) All hits confirmed by dual column analysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F32754-3MS	EF052558.D	1	06/29/05	TD	n/a	n/a	GEF3691
F32754-3MSD	EF052559.D	1	06/29/05	TD	n/a	n/a	GEF3691
F32754-3	EF052557.D	1	06/29/05	TD	n/a	n/a	GEF3691

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-3, F32730-9, F32730-11, F32730-12, F32730-13, F32730-14, F32730-15, F32730-16

CAS No.	Compound	F32754-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.5	108	21.7	109	1	74-126/11
108-90-7	Chlorobenzene	ND		20	22.3	112	22.5	113	1	72-124/8
95-50-1	1,2-Dichlorobenzene	ND		20	20.2	101	21.3	107	5	55-136/13
541-73-1	1,3-Dichlorobenzene	ND		20	20.6	103	21.2	106	3	65-132/16
106-46-7	1,4-Dichlorobenzene	ND		20	19.0	95	19.5	98	3	61-133/11
100-41-4	Ethylbenzene	ND		20	21.8	109	22.0	110	1	71-131/8
1634-04-4	Methyl Tert Butyl Ether	ND		20	20.5	103	20.9	105	2	63-130/11
108-88-3	Toluene	ND		20	21.7	109	22.0	110	1	69-132/7
1330-20-7	Xylenes (total)	ND		60	64.8	108	65.1	109	0	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F32754-3	Limits
460-00-4	4-Bromofluorobenzene	104%	110%	91%	71-130%
98-08-8	aaa-Trifluorotoluene	102%	109%	97%	71-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F32780-1MS	EF052608.D	1	07/01/05	TD	n/a	n/a	GEF3694
F32780-1MSD	EF052609.D	1	07/01/05	TD	n/a	n/a	GEF3694
F32780-1	EF052607.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32730-4

CAS No.	Compound	F32780-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	27.5	110	27.8	111	1	74-126/11
108-90-7	Chlorobenzene	ND		25	28.4	114	28.9	116	2	72-124/8
95-50-1	1,2-Dichlorobenzene	ND		25	27.7	111	28.4	114	2	55-136/13
541-73-1	1,3-Dichlorobenzene	ND		25	27.6	110	28.2	113	2	65-132/16
106-46-7	1,4-Dichlorobenzene	ND		25	27.2	109	27.8	111	2	61-133/11
100-41-4	Ethylbenzene	ND		25	29.2	117	29.2	117	0	71-131/8
1634-04-4	Methyl Tert Butyl Ether	ND		25	26.2	105	25.6	102	2	63-130/11
108-88-3	Toluene	ND		25	28.4	114	28.4	114	0	69-132/7
1330-20-7	Xylenes (total)	ND		75	86.3	115	87.4	117	1	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F32780-1	Limits
460-00-4	4-Bromofluorobenzene	103%	103%	101%	71-130%
98-08-8	aaa-Trifluorotoluene	100%	99%	107%	71-124%

Volatile Surrogate Recovery Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
F32730-1	EF052494.D		92.0		97.0
F32730-2	EF052498.D		91.0		93.0
F32730-3	EF052539.D		101.0		103.0
F32730-4	EF052605.D		99.0		103.0
F32730-5	EF052501.D		87.0		89.0
F32730-6	EF052502.D		89.0		91.0
F32730-7	EF052503.D		86.0		88.0
F32730-8	EF052504.D		88.0		92.0
F32730-9	EF052541.D		89.0		97.0
F32730-10	EF052505.D		91.0		93.0
F32730-11	EF052542.D		108.0		103.0
F32730-12	EF052543.D	111.0	108.0	101.0	107.0
F32730-13	EF052544.D		113.0		111.0
F32730-14	EF052545.D		100.0		101.0
F32730-15	EF052546.D		98.0		105.0
F32730-16	EF052547.D		91.0		99.0
F32605-17MS	EF052496.D		101.0		101.0
F32605-17MSD	EF052497.D		102.0		100.0
F32754-3MS	EF052558.D		104.0		102.0
F32754-3MSD	EF052559.D		110.0		109.0
F32780-1MS	EF052608.D		103.0		100.0
F32780-1MSD	EF052609.D		103.0		99.0
GEF3689-BS	EF052485.D		100.0		97.0
GEF3689-MB	EF052486.D		93.0		97.0
GEF3691-BS	EF052537.D		105.0		106.0
GEF3691-MB	EF052538.D	81.0	87.0	93.0	100.0
GEF3694-BS	EF052601.D		107.0		108.0
GEF3694-BS	EF052623.D		108.0		108.0
GEF3694-MB	EF052602.D		98.0		103.0
GEF3694-MB	EF052624.D		99.0		104.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	71-130%
S2 = aaa-Trifluorotoluene	71-124%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3689-CC3669	**Injection Date:**	06/27/05
Lab File ID:	EF052484.D	**Injection Time:**	12:06
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.88	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF3689-BS	EF052485.D	06/27/05	13:04	10.86	5.83
GEF3689-MB	EF052486.D	06/27/05	13:29	10.88	5.83
ZZZZZZ	EF052487.D	06/27/05	16:20	10.86	5.83
ZZZZZZ	EF052488.D	06/27/05	16:45	10.86	5.83
ZZZZZZ	EF052489.D	06/27/05	17:09	10.86	5.83
ZZZZZZ	EF052490.D	06/27/05	17:33	10.86	5.83
ZZZZZZ	EF052491.D	06/27/05	17:57	10.86	5.83
F32605-17	EF052492.D	06/27/05	18:22	10.86	5.83
ZZZZZZ	EF052493.D	06/27/05	18:46	10.86	5.83
F32730-1	EF052494.D	06/27/05	19:10	10.86	5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3689-CC3669	**Injection Date:**	06/27/05
Lab File ID:	EF052495.D	**Injection Time:**	19:34
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.86	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F32605-17MS	EF052496.D	06/27/05	19:59	10.86	5.83
F32605-17MSD	EF052497.D	06/27/05	20:23	10.86	5.83
F32730-2	EF052498.D	06/27/05	20:47	10.86	5.83
F32730-5	EF052501.D	06/27/05	22:00	10.86	5.83
F32730-6	EF052502.D	06/27/05	22:24	10.86	5.83
F32730-7	EF052503.D	06/27/05	22:49	10.86	5.83
F32730-8	EF052504.D	06/27/05	23:13	10.86	5.83
F32730-10	EF052505.D	06/27/05	23:38	10.86	5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GEF3691-CC3669
Lab File ID: EF052536.D
Instrument ID: GCEF

Injection Date: 06/29/05
Injection Time: 08:47
Method: EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.68	10.86	5.72	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
GEF3691-BS	EF052537.D	06/29/05	09:11		10.86		5.83
GEF3691-MB	EF052538.D	06/29/05	09:35	10.69	10.88	5.72	5.83
F32730-3	EF052539.D	06/29/05	10:32		10.86		5.83
ZZZZZZ	EF052540.D	06/29/05	10:59		10.86		5.83
F32730-9	EF052541.D	06/29/05	11:23		10.86		5.83
F32730-11	EF052542.D	06/29/05	11:47		10.86		5.83
F32730-12	EF052543.D	06/29/05	12:12	10.67	10.86	5.72	5.83
F32730-13	EF052544.D	06/29/05	12:36		10.86		5.83
F32730-14	EF052545.D	06/29/05	13:00		10.86		5.83
F32730-15	EF052546.D	06/29/05	13:24		10.86		5.83
F32730-16	EF052547.D	06/29/05	13:49		10.86		5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3691-CC3669	**Injection Date:**	06/29/05
Lab File ID:	EF052549.D	**Injection Time:**	14:37
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.86	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	EF052550.D	06/29/05	15:02	10.86	5.83
ZZZZZZ	EF052551.D	06/29/05	15:26	10.86	5.83
ZZZZZZ	EF052552.D	06/29/05	15:50	10.86	5.83
ZZZZZZ	EF052553.D	06/29/05	16:17	10.85	5.83
ZZZZZZ	EF052554.D	06/29/05	16:42	10.86	5.83
ZZZZZZ	EF052555.D	06/29/05	17:06	10.86	5.83
ZZZZZZ	EF052556.D	06/29/05	17:30	10.86	5.83
F32754-3	EF052557.D	06/29/05	17:54	10.86	5.83
F32754-3MS	EF052558.D	06/29/05	18:19	10.86	5.83
F32754-3MSD	EF052559.D	06/29/05	18:43	10.85	5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3694-CC3669	**Injection Date:**	07/01/05
Lab File ID:	EF052600.D	**Injection Time:**	09:40
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [b] RT	S2 [a] RT
Check Std	10.85	5.71	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [b] RT	S2 [a] RT
GEF3694-BS	EF052601.D	07/01/05	10:04	10.85		5.83
GEF3694-MB	EF052602.D	07/01/05	10:29	10.88		5.83
ZZZZZZ	EF052603.D	07/01/05	11:11	10.86		5.83
ZZZZZZ	EF052604.D	07/01/05	11:35	10.85		5.83
F32730-4	EF052605.D	07/01/05	12:00	10.85		5.83
ZZZZZZ	EF052606.D	07/01/05	12:24	10.85		5.83
F32780-1	EF052607.D	07/01/05	12:48	10.85		5.83
F32780-1MS	EF052608.D	07/01/05	13:12	10.85		5.83
F32780-1MSD	EF052609.D	07/01/05	13:37	10.85		5.83
ZZZZZZ	EF052610.D	07/01/05	14:01	10.85	5.70	

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3694-CC3669	**Injection Date:**	07/01/05
Lab File ID:	EF052622.D	**Injection Time:**	20:38
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.67	10.85	5.71	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
GEF3694-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3695-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3694-MB	EF052624.D	07/01/05	21:26		10.85		5.83
GEF3695-MB	EF052624.D	07/01/05	21:26	10.67	10.85	5.71	5.83
ZZZZZZ	EF052625.D	07/01/05	21:50		10.85		5.83
ZZZZZZ	EF052626.D	07/01/05	22:14		10.85		5.83
ZZZZZZ	EF052627.D	07/01/05	22:39		10.85		5.83
ZZZZZZ	EF052628.D	07/01/05	23:03		10.85		5.83
ZZZZZZ	EF052629.D	07/01/05	23:27		10.85		5.83
ZZZZZZ	EF052630.D	07/01/05	23:51		10.85		5.83
ZZZZZZ	EF052631.D	07/02/05	00:15		10.85		5.83
ZZZZZZ	EF052632.D	07/02/05	00:40		10.86		5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GEF3695-CC3669
Lab File ID: EF052622.D
Instrument ID: GCEF
Injection Date: 07/01/05
Injection Time: 20:38
Method: EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.67	10.85	5.71	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
GEF3694-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3695-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3694-MB	EF052624.D	07/01/05	21:26		10.85		5.83
GEF3695-MB	EF052624.D	07/01/05	21:26	10.67	10.85	5.71	5.83
ZZZZZZ	EF052625.D	07/01/05	21:50		10.85		5.83
ZZZZZZ	EF052626.D	07/01/05	22:14		10.85		5.83
ZZZZZZ	EF052627.D	07/01/05	22:39		10.85		5.83
ZZZZZZ	EF052628.D	07/01/05	23:03		10.85		5.83
ZZZZZZ	EF052629.D	07/01/05	23:27		10.85		5.83
ZZZZZZ	EF052630.D	07/01/05	23:51		10.85		5.83
ZZZZZZ	EF052631.D	07/02/05	00:15		10.85		5.83
ZZZZZZ	EF052632.D	07/02/05	00:40		10.86		5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3669-ICC3669
Lab FileID: EF052010.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL0330.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Jun 08 14:07:36 2005
Response via : Initial Calibration

Calibration Files
1 =EF052007.D 5 =EF052008.D 20 =EF052009.D 40 =EF052010.D
70 =EF052011.D 100 =EF052012.D

	Compound	1	5	20	40	70	100	Avg	%RSD
1)	Methyl tert Butyl E	1.303	1.475	1.467	1.480	1.481	1.479	1.448 E3	4.89
2)	Di-Isopropyl ether	2.410	2.711	2.677	2.668	2.656	2.657	2.630 E3	4.17
3)	Benzene	5.138	5.656	5.546	5.574	5.647	5.614	5.529 E3	3.55
4) S	a,a,a-TFT(S)	1.731	1.756	1.778	1.736	1.839	1.843	1.780 E3	2.79
5)	Toluene	4.681	4.893	4.802	4.905	4.947	4.931	4.860 E3	2.08
6)	Chlorobenzene	4.461	4.585	4.564	4.629	4.681	4.690	4.602 E3	1.85
7)	Ethylbenzene	3.841	4.002	3.965	4.117	4.174	4.132	4.039 E3	3.11
8)	m,p-Xylene	4.420	4.405	4.367	4.500	4.556	4.572	4.470 E3	1.90
9)	o-Xylene	3.701	3.829	3.852	3.962	4.014	4.018	3.896 E3	3.20
10) S	BFB(S)	3.307	3.412	3.638	3.670	3.957	3.961	3.658 E3	7.40
11)	1,3-Dichlorobenzene	2.907	2.617	2.838	3.091	3.302	3.287	3.007 E3	8.97
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9991								
	Response Ratio = 0.00000 + 3261.26140 *A								
12)	1,4-Dichlorobenzene	3.511	2.896	3.136	3.454	3.685	3.707	3.398 E3	9.44
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9989								
	Response Ratio = 0.00000 + 3661.76321 *A								
13)	1,2-Dichlorobenzene	1.648	1.298	1.477	1.723	1.901	1.886	1.656 E3	14.24
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9979								
	Response Ratio = 0.00000 + 1864.69285 *A								

Signal #2

1)	Methyl tert Butyl E	1.339	1.535	1.559	1.577	1.574	1.569	1.525 E3	6.06
2)	Di-Isopropyl ether	2.293	2.683	2.735	2.733	2.703	2.678	2.638 E3	6.46
3)	Benzene	5.246	5.881	5.883	5.890	5.953	5.901	5.792 E3	4.64
4) S	a,a,a-TFT(S)	1.732	1.782	1.838	1.787	1.895	1.893	1.821 E3	3.60
5)	Toluene	4.825	5.174	5.136	5.149	5.221	5.174	5.113 E3	2.82
6)	Chlorobenzene	4.666	4.913	4.952	5.011	5.032	5.015	4.931 E3	2.79
7)	Ethylbenzene	4.180	4.455	4.398	4.495	4.579	4.525	4.439 E3	3.18
8)	m,p-Xylene	4.730	4.875	4.737	4.943	4.988	4.920	4.865 E3	2.23
9)	o-Xylene	3.732	3.982	4.069	4.139	4.209	4.153	4.048 E3	4.28
10) S	BFB(S)	3.747	3.878	4.095	4.164	4.458	4.457	4.133 E3	7.08
11)	1,3-Dichlorobenzene	2.968	2.704	2.964	3.218	3.425	3.400	3.113 E3	9.10
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9992								
	Response Ratio = 0.00000 + 3378.80375 *A								
12)	1,4-Dichlorobenzene	3.441	2.925	3.160	3.477	3.665	3.696	3.394 E3	8.83
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9992								
	Response Ratio = 0.00000 + 3652.69225 *A								
13)	1,2-Dichlorobenzene	1.708	1.375	1.585	1.868	2.048	2.051	1.772 E3	15.15
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9979								
	Response Ratio = 0.00000 + 2021.11827 *A								

Initial Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3669-ICC3669
Lab FileID: EF052010.D

(#) = Out of Range

DUAL0330.M Thu Jun 09 08:54:50 2005

Initial Calibration Verification

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3669-ICV3669
Lab FileID: EF052013.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\060805\EF052013.D\FID1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\060805\EF052013.D\FID2B.CH
Acq On : 8 Jun 2005 2:07 pm Operator: KelliK
Sample : icv3669-20 Inst : VOA1
Misc : gc5022,gef3669,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0330.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Jun 08 14:07:36 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	20.000	21.126	-5.6	104	0.00	2.84- 3.04
2	Di-Isopropyl ether	20.000	19.170	4.1	94	0.00	3.30- 3.50
3	Benzene	20.000	19.771	1.1	99	0.00	4.57- 4.77
4 S	a,a,a-TFT(S)	20.000	20.143	-0.7	101	0.00	5.60- 5.80
5	Toluene	20.000	20.170	-0.9	102	0.00	7.00- 7.20
6	Chlorobenzene	20.000	20.878	-4.4	105	0.02	8.81- 9.01
7	Ethylbenzene	20.000	20.548	-2.7	105	0.02	9.15- 9.35
8	m,p-Xylene	40.000	41.048	-2.6	105	0.02	9.46- 9.66
9	o-Xylene	20.000	20.832	-4.2	105	0.02	9.99-10.19
10 S	BFB(S)	20.000	20.851	-4.3	105	0.02	10.50-10.80
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	21.711	-8.6	125	0.02	12.43-12.63
12	1,4-Dichlorobenzene	20.000	19.799	1.0	116	0.02	12.54-12.74
13	1,2-Dichlorobenzene	20.000	21.633	-8.2	137	0.02	13.05-13.25

***** Signal #2 *****

	----------	Amount	Calc.	%Drift	----------		
1	Methyl tert Butyl Ethe	20.000	20.428	-2.1	100	0.00	2.79- 2.99
2	Di-Isopropyl ether	20.000	19.020	4.9	92	0.00	3.21- 3.41
3	Benzene	20.000	19.689	1.6	97	0.00	4.59- 4.79
4 S	a,a,a-TFT(S)	20.000	19.701	1.5	98	0.00	5.71- 5.91
5	Toluene	20.000	20.071	-0.4	100	0.00	6.96- 7.16
6	Chlorobenzene	20.000	21.020	-5.1	105	0.02	8.93- 9.13
7	Ethylbenzene	20.000	20.578	-2.9	104	0.02	9.12- 9.32
8	m,p-Xylene	40.000	41.007	-2.5	105	0.02	9.31- 9.51
9	o-Xylene	20.000	21.168	-5.8	105	0.02	9.90-10.11
10 S	BFB(S)	20.000	20.721	-3.6	105	0.02	10.69-10.99
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	21.481	-7.4	122	0.02	12.50-12.70
12	1,4-Dichlorobenzene	20.000	20.054	-0.3	116	0.02	12.66-12.86
13	1,2-Dichlorobenzene	20.000	21.477	-7.4	137	0.01	13.26-13.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0330.M Thu Jun 09 08:54:11 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3689-CC3669
Lab FileID: EF052484.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062705\EF052484.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\062705\EF052484.D\FID2B.CH
Acq On : 27 Jun 2005 12:06 pm Operator: RickW
Sample : cc3669-40 Inst : VOA1
Misc : gc5080,gef3689,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	41.197	-3.0	101	0.00	2.85- 3.05
2		Di-Isopropyl ether	40.000	40.273	-0.7	99	0.00	3.31- 3.51
3		Benzene	40.000	42.450	-6.1	105	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	19.808	1.0	102	0.00	5.61- 5.81
5		Toluene	40.000	42.854	-7.1	106	0.00	7.02- 7.22
6		Chlorobenzene	40.000	42.322	-5.8	105	0.03	8.83- 9.03
7		Ethylbenzene	40.000	42.486	-6.2	104	0.03	9.17- 9.37
8		m,p-Xylene	80.000	85.891	-7.4	107	0.03	9.48- 9.68
9		o-Xylene	40.000	43.171	-7.9	106	0.03	10.01-10.21
10	S	BFB(S)	20.000	20.706	-3.5	103	0.03	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	40.000	41.302	-3.3	109	0.03	12.45-12.65
12		1,4-Dichlorobenzene	40.000	40.817	-2.0	108	0.03	12.56-12.76
13		1,2-Dichlorobenzene	40.000	41.456	-3.6	112	0.02	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	40.000	41.463	-3.7	100	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	40.635	-1.6	98	0.00	3.22- 3.42
3		Benzene	40.000	42.467	-6.2	104	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	19.825	0.9	101	0.00	5.73- 5.93
5		Toluene	40.000	42.404	-6.0	105	0.00	6.97- 7.17
6		Chlorobenzene	40.000	42.173	-5.4	104	0.03	8.94- 9.14
7		Ethylbenzene	40.000	42.532	-6.3	105	0.03	9.14- 9.34
8		m,p-Xylene	80.000	85.901	-7.4	106	0.03	9.33- 9.53
9		o-Xylene	40.000	43.356	-8.4	106	0.03	9.92-10.12
10	S	BFB(S)	20.000	20.715	-3.6	103	0.03	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	40.000	41.489	-3.7	109	0.02	12.52-12.72
12		1,4-Dichlorobenzene	40.000	40.830	-2.1	107	0.02	12.68-12.88
13		1,2-Dichlorobenzene	40.000	40.829	-2.1	110	0.02	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052010.D DUAL0608.M Tue Jun 28 09:49:02 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3689-CC3669
Lab FileID: EF052495.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062705\EF052495.D\FID1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\062705\EF052495.D\FID2B.CH
Acq On : 27 Jun 2005 7:34 pm Operator: RickW
Sample : cc3669-20 Inst : VOA1
Misc : gc5080,gef3689,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	20.779	-3.9	103	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	20.272	-1.4	100	0.00	3.31- 3.51
3		Benzene	20.000	21.079	-5.4	105	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	19.941	0.3	100	0.00	5.61- 5.81
5		Toluene	20.000	21.050	-5.3	107	0.00	7.02- 7.22
6		Chlorobenzene	20.000	21.246	-6.2	107	0.00	8.83- 9.03
7		Ethylbenzene	20.000	21.011	-5.1	107	0.00	9.17- 9.37
8		m,p-Xylene	40.000	41.397	-3.5	106	0.00	9.48- 9.68
9		o-Xylene	20.000	21.268	-6.3	108	0.00	10.01-10.21
10	S	BFB(S)	20.000	20.411	-2.1	103	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.176	-0.9	116	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	19.759	1.2	115	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	20.384	-1.9	129	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	21.233	-6.2	104	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	20.756	-3.8	100	0.00	3.22- 3.42
3		Benzene	20.000	21.428	-7.1	105	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	20.149	-0.7	100	0.00	5.73- 5.93
5		Toluene	20.000	21.310	-6.5	106	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.506	-7.5	107	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.135	-5.7	107	0.00	9.14- 9.34
8		m,p-Xylene	40.000	41.669	-4.2	107	0.00	9.33- 9.53
9		o-Xylene	20.000	21.532	-7.7	107	0.00	9.92-10.12
10	S	BFB(S)	20.000	20.542	-2.7	104	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.373	-1.9	116	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.056	-0.3	116	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	20.235	-1.2	129	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Tue Jun 28 09:50:54 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3689-CC3669
Lab FileID: EF052506.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062705\EF052506.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\062705\EF052506.D\FID2B.CH
Acq On : 28 Jun 2005 12:02 am Operator: RickW
Sample : cc3669-20 Inst : VOA1
Misc : gc5080,gef3689,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	20.510	-2.6	101	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	20.362	-1.8	100	0.00	3.31- 3.51
3		Benzene	20.000	21.262	-6.3	106	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	19.706	1.5	99	0.00	5.61- 5.81
5		Toluene	20.000	21.175	-5.9	107	0.00	7.02- 7.22
6		Chlorobenzene	20.000	21.034	-5.2	106	0.00	8.83- 9.03
7		Ethylbenzene	20.000	21.095	-5.5	107	0.00	9.17- 9.37
8		m,p-Xylene	40.000	41.595	-4.0	106	0.00	9.48- 9.68
9		o-Xylene	20.000	21.429	-7.1	108	0.00	10.01-10.21
10	S	BFB(S)	20.000	20.025	-0.1	101	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	19.571	2.1	112	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	19.093	4.5	111	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	18.910	5.4	119	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	20.283	-1.4	99	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	20.310	-1.5	98	0.00	3.22- 3.42
3		Benzene	20.000	21.295	-6.5	105	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	19.703	1.5	98	0.00	5.73- 5.93
5		Toluene	20.000	21.202	-6.0	106	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.354	-6.8	106	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.181	-5.9	107	0.00	9.14- 9.34
8		m,p-Xylene	40.000	42.314	-5.8	109	0.00	9.33- 9.53
9		o-Xylene	20.000	21.802	-9.0	108	0.00	9.92-10.12
10	S	BFB(S)	20.000	20.186	-0.9	102	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	19.763	1.2	113	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	19.368	3.2	112	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	19.218	3.9	123	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Tue Jun 28 09:50:54 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3691-CC3669
Lab FileID: EF052536.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062905\EF052536.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\062905\EF052536.D\FID2B.CH
Acq On : 29 Jun 2005 8:47 am Operator: Trangd
Sample : cc3669-40 Inst : VOA1
Misc : gc5093,gef3690,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	39.572	1.1	97	0.00	2.85- 3.05
2		Di-Isopropyl ether	40.000	38.723	3.2	95	0.00	3.31- 3.51
3		Benzene	40.000	40.754	-1.9	101	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	16.207	19.0#	83	0.00	5.61- 5.81
5		Toluene	40.000	40.925	-2.3	101	0.00	7.02- 7.22
6		Chlorobenzene	40.000	40.807	-2.0	101	0.00	8.83- 9.03
7		Ethylbenzene	40.000	40.839	-2.1	100	0.00	9.17- 9.37
8		m,p-Xylene	80.000	81.005	-1.3	101	0.00	9.48- 9.68
9		o-Xylene	40.000	41.621	-4.1	102	0.00	10.01-10.21
10	S	BFB(S)	20.000	17.097	14.5	85	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift	----------		
11		1,3-Dichlorobenzene	40.000	37.470	6.3	99	0.00	12.45-12.65
12		1,4-Dichlorobenzene	40.000	36.939	7.7	98	0.00	12.56-12.76
13		1,2-Dichlorobenzene	40.000	36.900	7.8	100	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift	----------		
1		Methyl tert Butyl Ethe	40.000	42.368	-5.9	102	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	41.702	-4.3	101	0.00	3.22- 3.42
3		Benzene	40.000	43.653	-9.1	107	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	17.303	13.5	88	0.00	5.73- 5.93
5		Toluene	40.000	43.676	-9.2	108	0.00	6.97- 7.17
6		Chlorobenzene	40.000	43.669	-9.2	107	0.00	8.94- 9.14
7		Ethylbenzene	40.000	43.946	-9.9	108	0.00	9.14- 9.34
8		m,p-Xylene	80.000	86.948	-8.7	107	0.00	9.33- 9.53
9		o-Xylene	40.000	44.767	-11.9	109	0.00	9.92-10.12
10	S	BFB(S)	20.000	18.074	9.6	90	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift	----------		
11		1,3-Dichlorobenzene	40.000	40.731	-1.8	107	0.00	12.52-12.72
12		1,4-Dichlorobenzene	40.000	39.602	1.0	104	0.00	12.68-12.88
13		1,2-Dichlorobenzene	40.000	39.657	0.9	107	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052010.D DUAL0608.M Thu Jun 30 12:38:14 2005

Continuing Calibration Summary

Job Number: F32730 **Sample:** GEF3691-CC3669
Account: EEINCJX EEI **Lab FileID:** EF052549.D
Project: Camp Lejeune-Bldg 645

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062905\EF052549.D\FID1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\062905\EF052549.D\FID2B.CH
Acq On : 29 Jun 2005 2:37 pm Operator: Trangd
Sample : cc3669-20 Inst : VOA1
Misc : gc5093,gef3691,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	20.659	-3.3	102	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	19.777	1.1	97	0.00	3.31- 3.51
3		Benzene	20.000	20.352	-1.8	101	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	18.970	5.2	95	0.00	5.61- 5.81
5		Toluene	20.000	20.248	-1.2	102	0.00	7.02- 7.22
6		Chlorobenzene	20.000	20.151	-0.8	102	0.00	8.83- 9.03
7		Ethylbenzene	20.000	20.318	-1.6	103	0.00	9.17- 9.37
8		m,p-Xylene	40.000	39.849	0.4	102	0.00	9.48- 9.68
9		o-Xylene	20.000	20.375	-1.9	103	0.00	10.01-10.21
10	S	BFB(S)	20.000	19.772	1.1	99	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	18.620	6.9	107	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.154	9.2	106	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	19.212	3.9	121	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	21.740	-8.7	106	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	21.229	-6.1	102	0.00	3.22- 3.42
3		Benzene	20.000	21.851	-9.3	108	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	20.246	-1.2	100	0.00	5.73- 5.93
5		Toluene	20.000	22.020	-10.1	110	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.678	-8.4	108	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.939	-9.7	111	0.00	9.14- 9.34
8		m,p-Xylene	40.000	43.143	-7.9	111	0.00	9.33- 9.53
9		o-Xylene	20.000	22.356	-11.8	111	0.00	9.92-10.12
10	S	BFB(S)	20.000	21.184	-5.9	107	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.122	-0.6	115	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	19.665	1.7	114	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	20.641	-3.2	132	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jun 30 12:37:51 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3691-ECC3669
Lab FileID: EF052560.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062905\EF052560.D\FID1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\062905\EF052560.D\FID2B.CH
Acq On : 29 Jun 2005 7:07 pm Operator: Trangd
Sample : ecc3669-20 Inst : VOA1
Misc : gc5100,gef3691,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	20.000	20.362	-1.8	100	0.00	2.85- 3.05
2	Di-Isopropyl ether	20.000	19.784	1.1	97	0.00	3.31- 3.51
3	Benzene	20.000	20.260	-1.3	101	0.00	4.59- 4.79
4 S	a,a,a-TFT(S)	20.000	19.377	3.1	97	0.00	5.61- 5.81
5	Toluene	20.000	20.195	-1.0	102	0.00	7.02- 7.22
6	Chlorobenzene	20.000	20.036	-0.2	101	0.02	8.83- 9.03
7	Ethylbenzene	20.000	20.071	-0.4	102	0.02	9.17- 9.37
8	m,p-Xylene	40.000	39.659	0.9	101	0.02	9.48- 9.68
9	o-Xylene	20.000	20.345	-1.7	103	0.02	10.01-10.21
10 S	BFB(S)	20.000	19.778	1.1	99	0.02	10.52-10.82
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	18.661	6.7	107	0.02	12.45-12.65
12	1,4-Dichlorobenzene	20.000	18.360	8.2	107	0.02	12.56-12.76
13	1,2-Dichlorobenzene	20.000	18.935	5.3	120	0.01	13.07-13.27

***** Signal #2 *****

	----------	Amount	Calc.	%Drift	----------		
1	Methyl tert Butyl Ethe	20.000	22.330	-11.6	109	0.00	2.80- 3.00
2	Di-Isopropyl ether	20.000	21.847	-9.2	105	0.00	3.22- 3.42
3	Benzene	20.000	22.374	-11.9	110	0.00	4.60- 4.80
4 S	a,a,a-TFT(S)	20.000	21.336	-6.7	106	0.00	5.73- 5.93
5	Toluene	20.000	22.165	-10.8	110	0.00	6.97- 7.17
6	Chlorobenzene	20.000	22.093	-10.5	110	0.02	8.94- 9.14
7	Ethylbenzene	20.000	21.839	-9.2	110	0.02	9.14- 9.34
8	m,p-Xylene	40.000	43.359	-8.4	111	0.02	9.33- 9.53
9	o-Xylene	20.000	22.463	-12.3	112	0.02	9.92-10.12
10 S	BFB(S)	20.000	21.620	-8.1	109	0.02	10.70-11.00
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	20.509	-2.5	117	0.02	12.52-12.72
12	1,4-Dichlorobenzene	20.000	20.233	-1.2	117	0.02	12.68-12.88
13	1,2-Dichlorobenzene	20.000	20.316	-1.6	130	0.02	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Fri Jul 01 13:03:48 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3694-CC3669
Lab FileID: EF052600.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052600.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052600.D\FID2B.CH
Acq On : 1 Jul 2005 9:40 am Operator: Trangd
Sample : CC3669-40 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	40.000	38.834	2.9	95	0.00	2.85- 3.05
2	Di-Isopropyl ether	40.000	37.966	5.1	94	0.00	3.31- 3.51
3	Benzene	40.000	39.107	2.2	97	0.00	4.59- 4.79
4 S	a,a,a-TFT(S)	20.000	18.747	6.3	96	0.00	5.61- 5.81
5	Toluene	40.000	39.437	1.4	98	0.00	7.02- 7.22
6	Chlorobenzene	40.000	40.060	-0.2	100	0.00	8.83- 9.03
7	Ethylbenzene	40.000	40.271	-0.7	99	0.00	9.17- 9.37
8	m,p-Xylene	80.000	80.235	-0.3	100	0.00	9.48- 9.68
9	o-Xylene	40.000	40.498	-1.2	100	0.00	10.01-10.21
10 S	BFB(S)	20.000	19.262	3.7	96	0.00	10.52-10.82
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	40.000	38.811	3.0	102	0.00	12.45-12.65
12	1,4-Dichlorobenzene	40.000	38.617	3.5	102	0.00	12.56-12.76
13	1,2-Dichlorobenzene	40.000	39.445	1.4	107	0.00	13.07-13.27

***** Signal #2 *****

		Amount	Calc.	%Drift			
1	Methyl tert Butyl Ethe	40.000	42.532	-6.3	103	0.00	2.80- 3.00
2	Di-Isopropyl ether	40.000	42.158	-5.4	102	0.00	3.22- 3.42
3	Benzene	40.000	42.692	-6.7	105	0.00	4.60- 4.80
4 S	a,a,a-TFT(S)	20.000	20.481	-2.4	104	0.00	5.73- 5.93
5	Toluene	40.000	42.826	-7.1	106	0.00	6.97- 7.17
6	Chlorobenzene	40.000	43.660	-9.1	107	0.00	8.94- 9.14
7	Ethylbenzene	40.000	43.839	-9.6	108	0.00	9.14- 9.34
8	m,p-Xylene	80.000	87.316	-9.1	107	0.00	9.33- 9.53
9	o-Xylene	40.000	44.323	-10.8	108	0.00	9.92-10.12
10 S	BFB(S)	20.000	20.899	-4.5	104	0.00	10.70-11.00
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	40.000	43.021	-7.6	113	0.00	12.52-12.72
12	1,4-Dichlorobenzene	40.000	42.071	-5.2	110	0.00	12.68-12.88
13	1,2-Dichlorobenzene	40.000	42.605	-6.5	115	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052010.D DUAL0608.M Fri Jul 08 13:24:31 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3694-CC3669
Lab FileID: EF052611.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052611.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052611.D\FID2B.CH
Acq On : 1 Jul 2005 2:26 pm Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	21.372	-6.9	105	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	20.499	-2.5	101	0.00	3.31- 3.51
3		Benzene	20.000	20.136	-0.7	100	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	20.036	-0.2	100	0.00	5.61- 5.81
5		Toluene	20.000	19.523	2.4	99	0.00	7.02- 7.22
6		Chlorobenzene	20.000	19.614	1.9	99	0.02	8.83- 9.03
7		Ethylbenzene	20.000	18.952	5.2	97	0.02	9.17- 9.37
8		m,p-Xylene	40.000	37.760	5.6	97	0.02	9.48- 9.68
9		o-Xylene	20.000	19.714	1.4	100	0.02	10.01-10.21
10	S	BFB(S)	20.000	21.153	-5.8	106	0.02	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	19.060	4.7	110	0.01	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.863	5.7	110	0.01	12.56-12.76
13		1,2-Dichlorobenzene	20.000	20.258	-1.3	128	0.01	13.07-13.27

***** Signal #2 *****

			Amount	Calc.	%Drift			
1		Methyl tert Butyl Ethe	20.000	22.883	-14.4	112	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	22.283	-11.4	107	0.00	3.22- 3.42
3		Benzene	20.000	21.951	-9.8	108	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	21.615	-8.1	107	0.00	5.73- 5.93
5		Toluene	20.000	21.221	-6.1	106	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.397	-7.0	107	0.02	8.94- 9.14
7		Ethylbenzene	20.000	20.631	-3.2	104	0.02	9.14- 9.34
8		m,p-Xylene	40.000	40.698	-1.7	104	0.02	9.33- 9.53
9		o-Xylene	20.000	21.570	-7.9	107	0.02	9.92-10.12
10	S	BFB(S)	20.000	22.718	-13.6	115	0.02	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.630	-3.1	118	0.01	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.358	-1.8	118	0.01	12.68-12.88
13		1,2-Dichlorobenzene	20.000	21.675	-8.4	138	0.01	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:26:48 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3694-CC3669
Lab FileID: EF052622.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID2B.CH
Acq On : 1 Jul 2005 8:38 pm Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.949	5.3	93	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	18.978	5.1	93	0.00	3.31- 3.51
3		Benzene	20.000	19.392	3.0	97	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	19.890	0.5	100	0.00	5.61- 5.81
5		Toluene	20.000	19.921	0.4	101	0.00	7.02- 7.22
6		Chlorobenzene	20.000	20.257	-1.3	102	0.00	8.83- 9.03
7		Ethylbenzene	20.000	20.365	-1.8	104	0.00	9.17- 9.37
8		m,p-Xylene	40.000	40.556	-1.4	104	0.00	9.48- 9.68
9		o-Xylene	20.000	20.490	-2.4	104	0.00	10.01-10.21
10	S	BFB(S)	20.000	20.149	-0.7	101	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	19.493	2.5	112	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.881	5.6	110	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	19.590	2.1	124	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	20.487	-2.4	100	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	20.787	-3.9	100	0.00	3.22- 3.42
3		Benzene	20.000	21.098	-5.5	104	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	21.500	-7.5	107	0.00	5.73- 5.93
5		Toluene	20.000	21.553	-7.8	107	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.946	-9.7	109	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.912	-9.6	111	0.00	9.14- 9.34
8		m,p-Xylene	40.000	43.279	-8.2	111	0.00	9.33- 9.53
9		o-Xylene	20.000	22.437	-12.2	112	0.00	9.92-10.12
10	S	BFB(S)	20.000	21.666	-8.3	109	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.911	-4.6	119	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.523	-2.6	119	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	21.001	-5.0	134	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:43:07 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3695-CC3669
Lab FileID: EF052622.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID2B.CH
Acq On : 1 Jul 2005 8:38 pm Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.949	5.3	93	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	18.978	5.1	93	0.00	3.31- 3.51
3		Benzene	20.000	19.392	3.0	97	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	19.890	0.5	100	0.00	5.61- 5.81
5		Toluene	20.000	19.921	0.4	101	0.00	7.02- 7.22
6		Chlorobenzene	20.000	20.257	-1.3	102	0.00	8.83- 9.03
7		Ethylbenzene	20.000	20.365	-1.8	104	0.00	9.17- 9.37
8		m,p-Xylene	40.000	40.556	-1.4	104	0.00	9.48- 9.68
9		o-Xylene	20.000	20.490	-2.4	104	0.00	10.01-10.21
10	S	BFB(S)	20.000	20.149	-0.7	101	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	19.493	2.5	112	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.881	5.6	110	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	19.590	2.1	124	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	20.487	-2.4	100	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	20.787	-3.9	100	0.00	3.22- 3.42
3		Benzene	20.000	21.098	-5.5	104	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	21.500	-7.5	107	0.00	5.73- 5.93
5		Toluene	20.000	21.553	-7.8	107	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.946	-9.7	109	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.912	-9.6	111	0.00	9.14- 9.34
8		m,p-Xylene	40.000	43.279	-8.2	111	0.00	9.33- 9.53
9		o-Xylene	20.000	22.437	-12.2	112	0.00	9.92-10.12
10	S	BFB(S)	20.000	21.666	-8.3	109	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.911	-4.6	119	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.523	-2.6	119	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	21.001	-5.0	134	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:43:07 2005

Continuing Calibration Summary

Job Number: F32730
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3695-CC3669
Lab FileID: EF052633.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052633.D\FID1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052633.D\FID2B.CH
Acq On : 2 Jul 2005 1:04 am Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5117,gef3695,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	20.000	19.842	0.8	98	0.00	2.85- 3.05
2	Di-Isopropyl ether	20.000	19.386	3.1	95	0.00	3.31- 3.51
3	Benzene	20.000	19.685	1.6	98	0.00	4.59- 4.79
4 S	a,a,a-TFT(S)	20.000	18.751	6.2	94	0.00	5.61- 5.81
5	Toluene	20.000	19.948	0.3	101	0.00	7.02- 7.22
6	Chlorobenzene	20.000	19.889	0.6	100	0.00	8.83- 9.03
7	Ethylbenzene	20.000	19.865	0.7	101	0.00	9.17- 9.37
8	m,p-Xylene	40.000	39.975	0.1	102	0.00	9.48- 9.68
9	o-Xylene	20.000	20.434	-2.2	103	0.00	10.01-10.21
10 S	BFB(S)	20.000	19.190	4.0	96	0.00	10.52-10.82
	----------	Amount	Calc.	%Drift			----------
11	1,3-Dichlorobenzene	20.000	18.992	5.0	109	0.00	12.45-12.65
12	1,4-Dichlorobenzene	20.000	18.567	7.2	108	0.00	12.56-12.76
13	1,2-Dichlorobenzene	20.000	19.579	2.1	124	0.00	13.07-13.27

***** Signal #2 *****

	----------	Amount	Calc.	%Drift			----------
1	Methyl tert Butyl Ethe	20.000	21.506	-7.5	105	0.00	2.80- 3.00
2	Di-Isopropyl ether	20.000	21.214	-6.1	102	0.00	3.22- 3.42
3	Benzene	20.000	21.438	-7.2	106	0.00	4.60- 4.80
4 S	a,a,a-TFT(S)	20.000	20.403	-2.0	101	0.00	5.73- 5.93
5	Toluene	20.000	21.625	-8.1	108	0.00	6.97- 7.17
6	Chlorobenzene	20.000	21.790	-8.9	109	0.00	8.94- 9.14
7	Ethylbenzene	20.000	21.567	-7.8	109	0.00	9.14- 9.34
8	m,p-Xylene	40.000	42.887	-7.2	110	0.00	9.33- 9.53
9	o-Xylene	20.000	22.118	-10.6	110	0.00	9.92-10.12
10 S	BFB(S)	20.000	21.030	-5.2	106	0.00	10.70-11.00
	----------	Amount	Calc.	%Drift			----------
11	1,3-Dichlorobenzene	20.000	20.676	-3.4	118	0.00	12.52-12.72
12	1,4-Dichlorobenzene	20.000	20.395	-2.0	118	0.00	12.68-12.88
13	1,2-Dichlorobenzene	20.000	20.723	-3.6	132	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:43:07 2005

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F32754

Sampling Date: 06/21/05

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **68**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Camp Lejeune-Bldg 645

Job No: F32754

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F32754-1	06/21/05	15:00	BS	06/23/05	AQ	Ground Water	UST645-MW20
F32754-2	06/21/05	15:25	BS	06/23/05	AQ	Ground Water	UST645-MW19
F32754-3	06/21/05	16:15	BS	06/23/05	AQ	Ground Water	UST645-MW16
F32754-4	06/21/05	00:00	BS	06/23/05	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EEI **Job No:** F32754

Site: Camp Lejeune-Bldg 645 **Report Date:** 7/11/2005 2:36:11 PM

3 Samples and 1 Trip Blank were collected on 06/21/2005 and were received at Accutest on 06/23/2005 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F32754. 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.

Extractables by GCMS by Method EPA 625

Matrix: AQ **Batch ID:** OP13693

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 F32782-3MS, F32782-3MSD were used as the QC samples indicated.

Volatiles by GC by Method EPA 601/602

Matrix: AQ **Batch ID:** GEF3691

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F32754-3MS, F32754-3MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** GEF3694

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F32780-1MS, F32780-1MSD were used as the QC samples indicated.

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: July 11, 2005

Ellen Pampel, Inorganic QA (signature on file)

Monday, July 11, 2005

Report of Analysis

Client Sample ID: UST645-MW20
Lab Sample ID: F32754-1
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/21/05
Date Received: 06/23/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F010134.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW20		
Lab Sample ID:	F32754-1	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/23/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	89%		36-137%
4165-60-0	Nitrobenzene-d5	70%		49-119%
321-60-8	2-Fluorobiphenyl	82%		45-118%
1718-51-0	Terphenyl-d14	91%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		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:	UST645-MW20		
Lab Sample ID:	F32754-1	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/23/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW20		
Lab Sample ID:	F32754-1	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/23/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052555.D	1	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		71-130%
98-08-8	aaa-Trifluorotoluene	96%		71-124%

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

Report of Analysis

Client Sample ID:	UST645-MW19		
Lab Sample ID:	F32754-2	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/23/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F010135.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW19		
Lab Sample ID:	F32754-2	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/23/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	92%		36-137%
4165-60-0	Nitrobenzene-d5	71%		49-119%
321-60-8	2-Fluorobiphenyl	85%		45-118%
1718-51-0	Terphenyl-d14	85%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		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:	UST645-MW19		
Lab Sample ID:	F32754-2	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/23/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW19		
Lab Sample ID:	F32754-2	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/23/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052556.D	1	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		71-130%
98-08-8	aaa-Trifluorotoluene	96%		71-124%

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

Report of Analysis

Client Sample ID:	UST645-MW16		
Lab Sample ID:	F32754-3	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/23/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F010136.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID: UST645-MW16
Lab Sample ID: F32754-3
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/21/05
Date Received: 06/23/05
Percent Solids: n/a

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	91%		36-137%
4165-60-0	Nitrobenzene-d5	70%		49-119%
321-60-8	2-Fluorobiphenyl	82%		45-118%
1718-51-0	Terphenyl-d14	88%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
10544-50-0	Cyclic octaatomic sulfur	12.50	12	ug/l	JN
	Total TIC, Semi-Volatile		12	ug/l	J

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

Report of Analysis

Client Sample ID:	UST645-MW16		
Lab Sample ID:	F32754-3	**Date Sampled:**	06/21/05
Matrix:	AQ - Ground Water	**Date Received:**	06/23/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052557.D	1	06/29/05	TD	n/a	n/a	GEF3691
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		71-130%
98-08-8	aaa-Trifluorotoluene	97%		71-124%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates 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:	F32754-4	**Date Sampled:**	06/21/05
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/23/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052603.D	1	07/01/05	TD	n/a	n/a	GEF3694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		71-130%
98-08-8	aaa-Trifluorotoluene	100%		71-124%

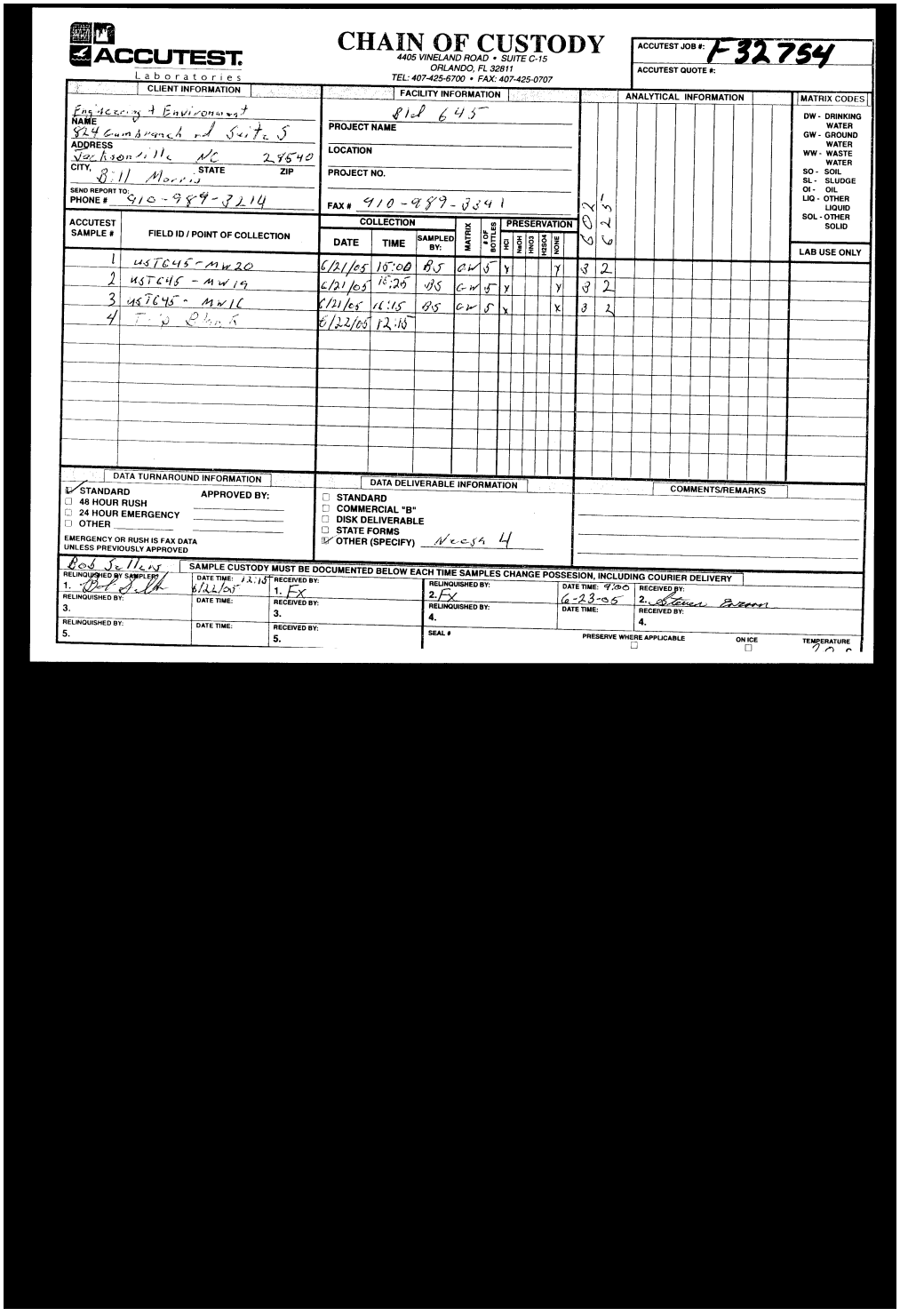
ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



ACCUTEST Laboratories

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F32754
ACCUTEST QUOTE #:

CLIENT INFORMATION
NAME: Engineering & Environmental
ADDRESS: 824 Gumbranch rd Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO: Bill Morris
PHONE #: 910-989-3214

FACILITY INFORMATION
PROJECT NAME: Bell 645
LOCATION:
PROJECT NO.:
FAX #: 910-989-3341

ANALYTICAL INFORMATION
6021
6235

MATRIX CODES
DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	6021	6235	LAB USE ONLY
1	UST645-MW20	6/21/05	15:00	BS	GW	5	Y			Y	3	2	
2	UST645-MW19	6/21/05	16:20	BS	GW	5	Y			Y	3	2	
3	UST645-MW16	6/21/05	16:15	BS	GW	5	X			X	3	2	
4	T.B. Blank	6/22/05	12:15										

DATA TURNAROUND INFORMATION
☑ STANDARD
☐ 48 HOUR RUSH
☐ 24 HOUR EMERGENCY
☐ OTHER
APPROVED BY:
EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION
☐ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☑ OTHER (SPECIFY) Needs 4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
Bob Sellers	6/22/05 12:15	1. Fx	2. Fx	6-23-05 9:00	2. Steven Brown
1.					
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐	TEMPERATURE
5.		5.			

F32754: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F32754 CLIENT: Engin + Enviro PROJECT: BId 6415

DATE/TIME RECEIVED: 6-23-05/ 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

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

AIRBILL NUMBERS: 8505 6431 8634

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] NO COC RECEIVED
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] 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 PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] 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(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE Steven Brown 6-23-05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

F32754: Chain of Custody
Page 2 of 2

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-MB	F010133.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32754-1, F32754-2, F32754-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	

Method Blank Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-MB	F010133.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32754-1, F32754-2, F32754-3

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	19-90%
4165-62-2	Phenol-d5	30%	10-68%
118-79-6	2,4,6-Tribromophenol	87%	36-137%
4165-60-0	Nitrobenzene-d5	70%	49-119%
321-60-8	2-Fluorobiphenyl	77%	45-118%
1718-51-0	Terphenyl-d14	84%	46-135%

Method Blank Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-MB	F010133.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32754-1, F32754-2, F32754-3

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-BS	F010132.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32754-1, F32754-2, F32754-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	37.5	75	62-103
59-50-7	4-Chloro-3-methyl phenol	50	37.5	75	64-103
120-83-2	2,4-Dichlorophenol	50	40.8	82	59-103
105-67-9	2,4-Dimethylphenol	50	35.3	71	43-94
51-28-5	2,4-Dinitrophenol	100	82.2	82	12-125
534-52-1	4,6-Dinitro-o-cresol	100	95.7	96	47-119
88-75-5	2-Nitrophenol	50	39.5	79	64-104
100-02-7	4-Nitrophenol	100	38.0	38	22-50
87-86-5	Pentachlorophenol	100	108	108	50-111
108-95-2	Phenol	50	17.7	35	25-53
88-06-2	2,4,6-Trichlorophenol	50	40.8	82	60-103
83-32-9	Acenaphthene	50	41.0	82	62-101
208-96-8	Acenaphthylene	50	39.6	79	65-113
120-12-7	Anthracene	50	41.4	83	69-107
92-87-5	Benzidine	50	30.1	60	10-125
56-55-3	Benzo(a)anthracene	50	42.3	85	68-106
50-32-8	Benzo(a)pyrene	50	40.8	82	70-114
205-99-2	Benzo(b)fluoranthene	50	43.5	87	68-110
191-24-2	Benzo(g,h,i)perylene	50	42.0	84	63-115
207-08-9	Benzo(k)fluoranthene	50	45.7	91	68-112
101-55-3	4-Bromophenyl phenyl ether	50	45.1	90	73-103
85-68-7	Butyl benzyl phthalate	50	45.9	92	69-108
91-58-7	2-Chloronaphthalene	50	40.3	81	64-102
106-47-8	4-Chloroaniline	50	38.4	77	57-104
218-01-9	Chrysene	50	43.7	87	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	38.7	77	57-103
111-44-4	bis(2-Chloroethyl)ether	50	40.6	81	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	37.3	75	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	43.4	87	71-104
95-50-1	1,2-Dichlorobenzene	50	37.2	74	62-100
122-66-7	1,2-Diphenylhydrazine	50	42.1	84	65-105
541-73-1	1,3-Dichlorobenzene	50	36.3	73	59-99
106-46-7	1,4-Dichlorobenzene	50	36.7	73	60-101
121-14-2	2,4-Dinitrotoluene	50	41.6	83	65-111
606-20-2	2,6-Dinitrotoluene	50	39.9	80	77-111
91-94-1	3,3'-Dichlorobenzidine	50	42.6	85	42-110

Blank Spike Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-BS	F010132.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32754-1, F32754-2, F32754-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
53-70-3	Dibenzo(a,h)anthracene	50	38.3	77	62-115
84-74-2	Di-n-butyl phthalate	50	46.3	93	68-109
117-84-0	Di-n-octyl phthalate	50	48.1	96	63-120
84-66-2	Diethyl phthalate	50	45.3	91	64-110
131-11-3	Dimethyl phthalate	50	43.8	88	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	46.8	94	64-115
206-44-0	Fluoranthene	50	43.4	87	68-111
86-73-7	Fluorene	50	41.3	83	66-105
118-74-1	Hexachlorobenzene	50	44.6	89	69-103
87-68-3	Hexachlorobutadiene	50	38.9	78	55-90
77-47-4	Hexachlorocyclopentadiene	50	34.3	69	26-95
67-72-1	Hexachloroethane	50	35.6	71	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	42.0	84	63-118
78-59-1	Isophorone	50	40.2	80	64-107
91-20-3	Naphthalene	50	36.8	74	62-101
98-95-3	Nitrobenzene	50	37.4	75	61-106
62-75-9	N-Nitrosodimethylamine	50	21.3	43	12-78
621-64-7	N-Nitroso-di-n-propylamine	50	38.0	76	64-109
86-30-6	N-Nitrosodiphenylamine	50	44.0	88	69-114
85-01-8	Phenanthrene	50	42.9	86	68-104
129-00-0	Pyrene	50	45.0	90	64-105
120-82-1	1,2,4-Trichlorobenzene	50	38.3	77	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	54%	19-90%
4165-62-2	Phenol-d5	31%	10-68%
118-79-6	2,4,6-Tribromophenol	94%	36-137%
4165-60-0	Nitrobenzene-d5	73%	49-119%
321-60-8	2-Fluorobiphenyl	83%	45-118%
1718-51-0	Terphenyl-d14	92%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-MS	F010140.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
OP13693-MSD	F010141.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
F32782-3	F010139.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32754-1, F32754-2, F32754-3

CAS No.	Compound	F32782-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		94.3	56.4	60	66.3	70	16	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		94.3	64.6	68	70.7	75	9	60-101/18
120-83-2	2,4-Dichlorophenol	ND		94.3	62.3	66	72.2	77	15	55-100/24
105-67-9	2,4-Dimethylphenol	ND		94.3	55.6	59	63.7	68	14	36-98/26
51-28-5	2,4-Dinitrophenol	ND		189	142	75	153	81	7	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		189	171	91	174	92	2	40-127/24
88-75-5	2-Nitrophenol	ND		94.3	60.6	64	72.3	77	18	53-104/25
100-02-7	4-Nitrophenol	ND		189	88.5	47	95.1	50	7	32-81/28
87-86-5	Pentachlorophenol	ND		189	196	104	198	105	1	44-118/16
108-95-2	Phenol	ND		94.3	35.8	38	41.4	44	15	31-77/26
88-06-2	2,4,6-Trichlorophenol	ND		94.3	67.9	72	75.7	80	11	55-103/21
83-32-9	Acenaphthene	ND		94.3	68.0	72	74.4	79	9	55-103/20
208-96-8	Acenaphthylene	ND		94.3	65.1	69	71.3	76	9	55-113/20
120-12-7	Anthracene	ND		94.3	74.6	79	76.8	81	3	66-105/14
92-87-5	Benzidine	ND		94.3	32.2	34	35.6	38	10	10-125/50
56-55-3	Benzo(a)anthracene	ND		94.3	76.5	81	79.5	84	4	65-103/16
50-32-8	Benzo(a)pyrene	ND		94.3	74.6	79	76.2	81	2	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		94.3	79.0	84	80.5	85	2	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		94.3	78.8	84	79.4	84	1	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		94.3	81.1	86	83.2	88	3	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		94.3	79.0	84	81.4	86	3	68-102/16
85-68-7	Butyl benzyl phthalate	ND		94.3	81.5	86	82.8	88	2	65-108/17
91-58-7	2-Chloronaphthalene	ND		94.3	63.4	67	71.9	76	13	58-101/22
106-47-8	4-Chloroaniline	ND		94.3	57.2	61	68.2	72	18	39-101/21
218-01-9	Chrysene	ND		94.3	78.9	84	81.3	86	3	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		94.3	57.9	61	68.2	72	16	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		94.3	60.9	65	72.8	77	18	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		94.3	54.5	58	64.6	68	17	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		94.3	75.6	80	81.2	86	7	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		94.3	56.2	60	66.4	70	17	50-101/22
122-66-7	1,2-Diphenylhydrazine	ND		94.3	73.8	78	76.5	81	4	61-101/17
541-73-1	1,3-Dichlorobenzene	ND		94.3	54.2	57	64.9	69	18	50-100/23
106-46-7	1,4-Dichlorobenzene	ND		94.3	55.5	59	65.2	69	16	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		94.3	73.5	78	78.7	83	7	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		94.3	69.9	74	73.2	78	5	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		94.3	73.9	78	80.0	85	8	18-112/22

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-MS	F010140.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
OP13693-MSD	F010141.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
F32782-3	F010139.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32754-1, F32754-2, F32754-3

CAS No.	Compound	F32782-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
53-70-3	Dibenzo(a,h)anthracene	ND		94.3	69.8	74	72.4	77	4	57-111/20
84-74-2	Di-n-butyl phthalate	ND		94.3	81.1	86	84.5	90	4	63-107/17
117-84-0	Di-n-octyl phthalate	ND		94.3	82.1	87	83.4	88	2	58-126/23
84-66-2	Diethyl phthalate	ND		94.3	80.3	85	84.0	89	5	59-110/18
131-11-3	Dimethyl phthalate	ND		94.3	76.4	81	82.1	87	7	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		94.3	81.8	87	82.9	88	1	55-120/22
206-44-0	Fluoranthene	ND		94.3	77.3	82	82.1	87	6	62-108/17
86-73-7	Fluorene	ND		94.3	71.4	76	76.0	81	6	60-105/17
118-74-1	Hexachlorobenzene	ND		94.3	79.0	84	80.9	86	2	64-102/16
87-68-3	Hexachlorobutadiene	ND		94.3	59.3	63	72.6	77	20	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		94.3	51.1	54	65.3	69	24	20-92/34
67-72-1	Hexachloroethane	ND		94.3	53.6	57	64.4	68	18	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		94.3	77.8	82	78.2	83	1	61-111/19
78-59-1	Isophorone	ND		94.3	61.9	66	70.7	75	13	59-103/23
91-20-3	Naphthalene	ND		94.3	56.3	60	66.4	70	16	52-102/23
98-95-3	Nitrobenzene	ND		94.3	55.7	59	65.2	69	16	51-103/25
62-75-9	N-Nitrosodimethylamine	ND		94.3	36.5	39	46.4	49	24	20-91/29
621-64-7	N-Nitroso-di-n-propylamine	ND		94.3	58.5	62	67.5	72	14	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		94.3	77.5	82	80.8	86	4	62-112/16
85-01-8	Phenanthrene	ND		94.3	76.7	81	78.7	83	3	64-103/15
129-00-0	Pyrene	ND		94.3	81.5	86	80.6	85	1	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		94.3	58.5	62	69.4	74	17	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F32782-3	Limits
367-12-4	2-Fluorophenol	50%	59%	35%	19-90%
4165-62-2	Phenol-d5	34%	40%	19%	10-68%
118-79-6	2,4,6-Tribromophenol	88%	89%	89%	36-137%
4165-60-0	Nitrobenzene-d5	58%	69%	55%	49-119%
321-60-8	2-Fluorobiphenyl	68%	78%	65%	45-118%
1718-51-0	Terphenyl-d14	86%	87%	86%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-DFTPP
Lab File ID: F010035.D
Instrument ID: GCMSF
Injection Date: 06/23/05
Injection Time: 10:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	149324	41.2		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	155066	42.8		Pass
70	Less than 2.0% of mass 69	987	0.27	(0.64) [a]	Pass
127	40.0 - 60.0% of mass 198	178434	49.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	362218	100.0		Pass
199	5.0 - 9.0% of mass 198	23357	6.4		Pass
275	10.0 - 30.0% of mass 198	71402	19.7		Pass
365	1.0 - 100.0% of mass 198	5532	1.5		Pass
441	Present, but less than mass 443	28343	7.8	(73.9) [b]	Pass
442	40.0 - 100.0% of mass 198	193413	53.4		Pass
443	17.0 - 23.0% of mass 442	38369	10.6	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SF569-IC569	F010036.D	06/23/05	10:55	00:20	Initial cal 5
SF569-IC569	F010037.D	06/23/05	11:25	00:50	Initial cal 25
SF569-IC569	F010038.D	06/23/05	11:55	01:20	Initial cal 50
SF569-ICC569	F010039.D	06/23/05	12:26	01:51	Initial cal 75
SF569-IC569	F010040.D	06/23/05	12:56	02:21	Initial cal 100
SF569-IC569	F010041.D	06/23/05	13:27	02:52	Initial cal 125
SF569-ICV569	F010042.D	06/23/05	13:57	03:22	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF572-DFTPP
Lab File ID: F010120.D
Instrument ID: GCMSF
Injection Date: 06/28/05
Injection Time: 10:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	77194	40.4		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	79188	41.4		Pass
70	Less than 2.0% of mass 69	473	0.25	(0.6) [a]	Pass
127	40.0 - 60.0% of mass 198	91685	48.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	191149	100.0		Pass
199	5.0 - 9.0% of mass 198	13258	6.9		Pass
275	10.0 - 30.0% of mass 198	37792	19.8		Pass
365	1.0 - 100.0% of mass 198	3242	1.7		Pass
441	Present, but less than mass 443	14142	7.4	(72.3) [b]	Pass
442	40.0 - 100.0% of mass 198	97394	51.0		Pass
443	17.0 - 23.0% of mass 442	19555	10.2	(20.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SF572-CC569	F010121.D	06/28/05	10:22	00:19	Continuing cal 50
OP13695-LBS	F010122.D	06/28/05	10:52	00:49	Blank Spike
OP13695-LB	F010123.D	06/28/05	11:23	01:20	Leachate Blank
F32705-2	F010124.D	06/28/05	11:53	01:50	(used for QC only; not part of job F32754)
OP13695-DUP	F010125.D	06/28/05	12:24	02:21	Duplicate
F32705-3	F010126.D	06/28/05	12:54	02:51	(used for QC only; not part of job F32754)
OP13695-MS	F010127.D	06/28/05	13:25	03:22	Matrix Spike
OP13695-MSD	F010128.D	06/28/05	13:55	03:52	Matrix Spike Duplicate
OP13694-BS	F010129.D	06/28/05	14:26	04:23	Blank Spike
OP13694-MB	F010130.D	06/28/05	14:56	04:53	Method Blank
ZZZZZZ	F010131.D	06/28/05	15:27	05:24	(unrelated sample)
OP13693-BS	F010132.D	06/28/05	15:57	05:54	Blank Spike
OP13693-MB	F010133.D	06/28/05	16:28	06:25	Method Blank
F32754-1	F010134.D	06/28/05	16:58	06:55	UST645-MW20
F32754-2	F010135.D	06/28/05	17:28	07:25	UST645-MW19
F32754-3	F010136.D	06/28/05	17:58	07:55	UST645-MW16
ZZZZZZ	F010137.D	06/28/05	18:29	08:26	(unrelated sample)
ZZZZZZ	F010138.D	06/28/05	18:59	08:56	(unrelated sample)
F32782-3	F010139.D	06/28/05	19:29	09:26	(used for QC only; not part of job F32754)

Instrument Performance Check (DFTPP)

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SF572-DFTPP	**Injection Date:**	06/28/05
Lab File ID:	F010120.D	**Injection Time:**	10:03
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP13693-MS	F010140.D	06/28/05	19:59	09:56	Matrix Spike
OP13693-MSD	F010141.D	06/28/05	20:29	10:26	Matrix Spike Duplicate
ZZZZZZ	F010142.D	06/28/05	20:59	10:56	(unrelated sample)
ZZZZZZ	F010143.D	06/28/05	21:30	11:27	(unrelated sample)
ZZZZZZ	F010144.D	06/28/05	21:59	11:56	(unrelated sample)
ZZZZZZ	F010145.D	06/28/05	22:30	12:27	(unrelated sample)
ZZZZZZ	F010146.D	06/28/05	23:00	12:57	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SF572-CC569 **Injection Date:** 06/28/05
Lab File ID: F010121.D **Injection Time:** 10:22
Instrument ID: GCMSF **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	190728	4.60	697036	5.68	394542	7.86	666363	10.32	535364	15.23	473000	17.73
Upper Limit [a]	381456	5.10	1394072	6.18	789084	8.36	1332726	10.82	1070728	15.73	946000	18.23
Lower Limit [b]	95364	4.10	348518	5.18	197271	7.36	333182	9.82	267682	14.73	236500	17.23
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP13695-LBS	197620	4.60	740137	5.68	414632	7.85	697346	10.32	549656	15.23	458780	17.72
OP13695-LB	188919	4.60	694558	5.68	381728	7.85	643440	10.31	500919	15.22	436908	17.72
F32705-2	189524	4.60	702779	5.68	385384	7.85	643798	10.31	500503	15.22	429323	17.72
OP13695-DUP	182832	4.60	688415	5.67	379517	7.85	643141	10.31	499958	15.22	436961	17.72
F32705-3	197420	4.60	746388	5.68	425826	7.85	725376	10.31	564647	15.22	468520	17.72
OP13695-MS	210933	4.60	809330	5.68	459773	7.85	781460	10.32	609414	15.23	505296	17.73
OP13695-MSD	196836	4.60	748889	5.68	428362	7.85	722442	10.32	552429	15.23	460164	17.72
OP13694-BS [c]	191427	4.60	703509	5.68	395451	7.85	661974	10.32	510582	15.23	422537	17.72
OP13694-MB	203442	4.60	749101	5.68	406539	7.85	657376	10.31	479831	15.22	382534	17.72
ZZZZZZ	211451	4.60	774444	5.68	425336	7.85	707205	10.31	516773	15.22	430446	17.72
OP13693-BS	217419	4.60	803455	5.68	446903	7.85	736692	10.32	555595	15.23	460091	17.72
OP13693-MB	191760	4.60	689806	5.68	381848	7.85	634009	10.31	503239	15.22	435836	17.72
F32754-1	174100	4.60	643999	5.68	353701	7.85	597982	10.31	469213	15.22	408818	17.72
F32754-2	182653	4.60	678459	5.67	367739	7.85	624222	10.31	506973	15.22	445912	17.72
F32754-3	155465	4.60	576139	5.67	318711	7.85	549771	10.31	442958	15.22	388214	17.72
ZZZZZZ	180729	4.60	661636	5.68	365293	7.85	604003	10.31	481793	15.22	425094	17.72
ZZZZZZ	172821	4.60	627235	5.67	344739	7.85	585907	10.31	482148	15.22	423813	17.72
F32782-3	160024	4.60	599607	5.67	333683	7.85	563774	10.31	453666	15.22	392087	17.72
OP13693-MS	188265	4.60	703526	5.68	392854	7.85	642424	10.31	475880	15.23	397143	17.72
OP13693-MSD	198453	4.60	732126	5.68	410631	7.85	693670	10.32	549072	15.23	474707	17.72
ZZZZZZ	212315	4.60	795280	5.68	441111	7.85	731476	10.31	567956	15.22	486668	17.72
ZZZZZZ	195922	4.60	738386	5.68	408890	7.85	683468	10.31	542007	15.22	470545	17.72
ZZZZZZ	204164	4.60	764741	5.68	436697	7.85	738429	10.31	589859	15.22	493531	17.72
ZZZZZZ	189716	4.60	703946	5.67	391627	7.85	654192	10.31	526310	15.22	452492	17.72
ZZZZZZ	176040	4.60	636794	5.67	351493	7.85	586834	10.31	452398	15.22	393663	17.72

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	SF572-CC569	**Injection Date:**	06/28/05
Lab File ID:	F010121.D	**Injection Time:**	10:22
Instrument ID:	GCMSF	**Method:**	EPA 625

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(c) Insufficient sample for MS/MSD.

Semivolatile Surrogate Recovery Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F32754-1	F010134.D	43.0	24.0	89.0	70.0	82.0	91.0
F32754-2	F010135.D	44.0	24.0	92.0	71.0	85.0	85.0
F32754-3	F010136.D	45.0	24.0	91.0	70.0	82.0	88.0
OP13693-BS	F010132.D	54.0	31.0	94.0	73.0	83.0	92.0
OP13693-MB	F010133.D	50.0	30.0	87.0	70.0	77.0	84.0
OP13693-MS	F010140.D	50.0	34.0	88.0	58.0	68.0	86.0
OP13693-MSD	F010141.D	59.0	40.0	89.0	69.0	78.0	87.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	19-90%
S2 = Phenol-d5	10-68%
S3 = 2,4,6-Tribromophenol	36-137%
S4 = Nitrobenzene-d5	49-119%
S5 = 2-Fluorobiphenyl	45-118%
S6 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICC569
Lab FileID: F010039.D

Response Factor Report MS-F

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jun 23 14:30:01 2005
Response via : Initial Calibration

Calibration Files
5 =F010036.D 25 =F010037.D 50 =F010038.D 75 =F010039.D
100 =F010040.D 125 =F010041.D icv =F009976.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) 1,4-Dioxane	0.490	0.411	0.409	0.411	0.424	0.405		0.425	7.70
3) N-nitrosodimethyl	0.661	0.512	0.501	0.520	0.681	0.634		0.585	14.13
4) Pyridine	1.542	1.007	0.910	1.085	1.254	1.193		1.165	19.10
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9905									
Response Ratio = 0.00000 + 0.90252 *A + 0.10448 *A^2									
5) Benzaldehyde	0.995	1.036	1.028	0.926	0.802			0.958	10.16
6) Aniline	2.063	2.240	2.057	2.023	2.193	2.090		2.111	4.07
7)S 2-Fluorophenol	1.193	1.236	1.192	1.198	1.237	1.240		1.216	1.95
8) bis(2-Chloroethyl	1.046	1.132	1.118	1.130	1.134	1.151		1.119	3.30
9)S Phenol-d5	1.710	1.873	1.698	1.645	1.801	1.724		1.742	4.70
10)C Phenol	1.794	1.990	1.822	1.788	1.932	1.879		1.868	4.37
11) 2-Chlorophenol	1.355	1.432	1.388	1.389	1.450	1.414		1.405	2.45
12) 1,3-Dichlorobenze	1.472	1.503	1.483	1.488	1.498	1.487		1.489	0.74
13)C 1,4-Dichlorobenze	1.515	1.560	1.537	1.531	1.531	1.530		1.534	0.96
14) 1,2-Dichlorobenze	1.432	1.458	1.432	1.425	1.434	1.408		1.431	1.13
15) Benzyl alcohol	0.725	0.929	0.870	0.878	0.923	0.904		0.871	8.67
16) bis(2-chloroisopr	1.667	1.698	1.748	1.751	1.735	1.730		1.721	1.90
17) 2-Methylphenol	1.267	1.343	1.251	1.216	1.287	1.263		1.271	3.33
18) Acetophenone	1.809	1.897	1.870	1.891	1.863	1.847		1.863	1.71
19) Hexachloroethane	0.554	0.575	0.577	0.590	0.582	0.578		0.576	2.07
20)P N-Nitroso-di-n-pr	0.910	1.001	0.955	0.981	1.001	0.981		0.971	3.56
21) 3&4-Methylphenol	1.355	1.399	1.298	1.286	1.366	1.345		1.341	3.18
22) I Naphthalene-d8	----------ISTD----------								
23)S Nitrobenzene-d5	0.400	0.419	0.413	0.416	0.419	0.410		0.413	1.70
24) Nitrobenzene	0.387	0.390	0.397	0.396	0.403	0.393		0.395	1.46
25) Isophorone	0.617	0.646	0.659	0.667	0.674	0.650		0.652	3.11
26)C 2-Nitrophenol	0.196	0.204	0.209	0.210	0.214	0.208		0.207	3.00
27) 2,4-Dimethylpheno	0.363	0.381	0.379	0.393	0.391	0.383		0.382	2.82
28) bis(2-Chloroethox	0.366	0.376	0.398	0.403	0.390	0.390		0.387	3.63
29) Benzoic Acid		0.262	0.269	0.278	0.297	0.289		0.279	5.06
30)C 2,4-Dichloropheno	0.297	0.314	0.317	0.321	0.324	0.314		0.314	2.97
31) 1,2,4-Trichlorobe	0.318	0.333	0.341	0.347	0.335	0.329		0.334	2.94
32) Naphthalene	1.058	1.118	1.118	1.136	1.131	1.114		1.112	2.52
33) 4-Chloroaniline	0.449	0.485	0.477	0.473	0.481	0.462		0.471	2.86
34) 2,6-Dichloropheno	0.282	0.298	0.305	0.305	0.305	0.290		0.297	3.32
35)C Hexachlorobutadie	0.159	0.168	0.180	0.191	0.176	0.176		0.175	6.17
36) Caprolactam	0.168	0.171	0.172	0.167	0.185	0.171		0.172	3.70
37)C 4-Chloro-3-methyl	0.314	0.349	0.335	0.337	0.348	0.332		0.336	3.79
38) 2-Methylnaphthale	0.652	0.695	0.713	0.727	0.728	0.709		0.704	4.03
39) 1-Methylnaphthale	0.635	0.676	0.697	0.692	0.694	0.674		0.678	3.40
40) 1,2,4,5-Tetrachlo	0.311	0.331	0.337	0.337	0.337	0.323		0.329	3.16
41) I Acenaphthene-d10	----------ISTD----------								

Initial Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICC569
Lab FileID: F010039.D

```
42)P Hexachlorocyclope 0.077 0.143 0.209 0.264 0.247 0.289       0.205  39.32
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9919
              Response Ratio = 0.00000 + 0.16416 *A + 0.03912 *A^2

43)C 2,4,6-Trichloroph 0.369 0.400 0.395 0.408 0.400 0.398       0.395   3.39
44)  2,4,5-Trichloroph 0.415 0.430 0.425 0.430 0.430 0.419       0.425   1.52
45)S 2-Fluorobiphenyl  1.350 1.362 1.418 1.448 1.374 1.400       1.392   2.66
46)  1,1'-Biphenyl     1.461 1.493 1.579 1.597 1.486 1.521       1.523   3.56
47)  2-Chloronaphthale 1.151 1.192 1.206 1.225 1.181 1.196       1.192   2.09
48)  2-Nitroaniline    0.386 0.425 0.408 0.409 0.423 0.410       0.410   3.43
49)  Acenaphthylene    1.921 2.027 2.026 2.051 2.054 2.018       2.016   2.42
50)  Dimethylphthalate 1.301 1.353 1.397 1.404 1.406 1.367       1.371   2.97
51)  2,6-Dinitrotoluen 0.330 0.340 0.340 0.337 0.333 0.329       0.335   1.43
52)C Acenaphthene      1.159 1.201 1.227 1.230 1.216 1.203       1.206   2.14
53)  3-Nitroaniline    0.346 0.383 0.375 0.364 0.386 0.373       0.371   3.91
54)P 2,4-Dinitrophenol 0.047 0.098 0.136 0.149 0.179 0.191       0.133  40.20
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.09186 *A + 0.03239 *A^2

55)  Dibenzofuran      1.639 1.691 1.720 1.749 1.745 1.715       1.710   2.38
56)  2,4-Dinitrotoluen 0.390 0.429 0.435 0.439 0.453 0.433       0.430   4.90
57)P 4-Nitrophenol     0.176 0.193 0.184 0.179 0.203 0.192       0.188   5.42
58)  2,3,4,6-Tetrachlo 0.256 0.278 0.299 0.307 0.321 0.307       0.295   7.98
59)  Fluorene          1.320 1.359 1.406 1.436 1.421 1.375       1.386   3.11
60)  4-Chlorophenyl-ph 0.600 0.631 0.664 0.672 0.650 0.638       0.643   4.05
61)  Diethylphthalate  1.216 1.270 1.369 1.421 1.373 1.361       1.335   5.72
62)  4-Nitroaniline    0.348 0.395 0.383 0.368 0.410 0.371       0.379   5.74

63) I   Phenanthrene-d10      ----------------ISTD---------------------
64)  4,6-Dinitro-2-met       0.129 0.140 0.155 0.161 0.163       0.149   9.68
65)C n-Nitrosodiphenyl 0.523 0.585 0.581 0.593 0.568 0.580       0.572   4.42
66)  1,2-Diphenylhydra 0.702 0.737 0.783 0.808 0.764 0.799       0.766   5.26
67)S 2,4,6-Tribromophe 0.067 0.073 0.072 0.073 0.070 0.071       0.071   3.07
68)  4-Bromophenyl-phe 0.189 0.192 0.196 0.200 0.190 0.193       0.193   2.11
69)  Hexachlorobenzene 0.176 0.173 0.178 0.178 0.177 0.177       0.176   0.91
70)  Atrazine          0.200 0.216 0.233 0.232 0.210 0.214       0.218   5.85
71)C Pentachlorophenol       0.053 0.063 0.072 0.078 0.084       0.070  17.38
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9951
              Response Ratio = 0.00000 + 0.07825 *A

72)  Phenanthrene      1.142 1.168 1.168 1.187 1.158 1.176       1.166   1.32
73)  Anthracene        1.155 1.192 1.188 1.212 1.203 1.192       1.190   1.62
74)  Carbazole         1.083 1.125 1.109 1.115 1.131 1.073       1.106   2.09
75)  Di-n-butylphthala 1.140 1.202 1.309 1.366 1.313 1.316       1.275   6.66
76)C Fluoranthene      1.114 1.161 1.199 1.198 1.220 1.167       1.176   3.21

77) I   Chrysene-d12          ----------------ISTD---------------------
78)  Benzidine               1.007 1.018 1.047 0.980 0.949       1.000   3.75
79)  Pyrene            1.575 1.580 1.572 1.623 1.514 1.614       1.580   2.44
80)S Terphenyl-d14     0.856 0.894 0.908 0.953 0.881 0.953       0.907   4.30
81)  Butylbenzylphthal 0.654 0.692 0.726 0.757 0.715 0.749       0.715   5.36
82)  3,3'-Dichlorobenz 0.479 0.505 0.517 0.528 0.507 0.497       0.506   3.31
83)  Benzo[a]anthracen 1.376 1.379 1.400 1.435 1.403 1.410       1.401   1.55
84)  Chrysene          1.277 1.296 1.325 1.369 1.322 1.312       1.317   2.36
85)  bis(2-Ethylhexyl) 0.876 0.927 1.010 1.039 0.985 1.044       0.980   6.80

86) I   Perylene-d12          ----------------ISTD---------------------
87)C Di-n-octylphthala 1.750 1.847 1.931 2.041 1.833 2.025       1.904   6.06
88)  Benzo[b]fluoranth 1.398 1.409 1.405 1.499 1.426 1.451       1.431   2.67
89)  Benzo[k]fluoranth 1.328 1.392 1.424 1.489 1.394 1.447       1.412   3.89
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Initial Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICC569
Lab FileID: F010039.D

90)C Benzo[a]pyrene	1.282	1.374	1.408	1.435	1.393	1.406	1.383	3.86
91) Indeno[1,2,3-cd]p	1.014	1.148	1.220	1.157	1.232	1.169	1.157	6.74
92) Dibenz[a,h]anthra	1.033	1.153	1.225	1.174	1.226	1.233	1.174	6.49
93) Benzo[g,h,i]peryl	1.160	1.295	1.368	1.268	1.344	1.251	1.281	5.78

(#) = Out of Range

8270C.M Fri Jun 24 11:17:17 2005

Initial Calibration Verification

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICV569
Lab FileID: F010042.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\062305\F010042.D Vial: 8
Acq On : 23 Jun 2005 1:57 pm Operator: nareshj
Sample : icv569-50 Inst : MS-F
Misc : op13595,sf569,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jun 23 14:30:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	102	0.00	4.63
2		1,4-Dioxane	50.000	45.777	8.4	0	0.00	2.13
3		N-nitrosodimethylamine	50.000	45.969	8.1	0	0.00	2.47
		----------	Amount	Calc.	%Drift		----------	
4		Pyridine	50.000	52.630	-5.3	0	0.00	2.50
		----------	Amount	Calc.	%Drift		----------	
5		Benzaldehyde	50.000	53.619	-7.2	0	0.00	4.31
6		Aniline	50.000	45.768	8.5	0	0.00	4.39
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	59.065	-18.1	0	0.00	4.44
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	52.090	-4.2	0	0.00	4.41
11		2-Chlorophenol	50.000	53.991	-8.0	0	0.00	4.49
12		1,3-Dichlorobenzene	50.000	52.110	-4.2	0	0.00	4.59
13	C	1,4-Dichlorobenzene	50.000	52.898	-5.8	0	0.00	4.65
14		1,2-Dichlorobenzene	50.000	52.692	-5.4	0	0.00	4.76
15		Benzyl alcohol	50.000	57.631	-15.3	0	0.00	4.75
16		bis(2-chloroisopropyl)eth	50.000	54.052	-8.1	0	0.00	4.85
17		2-Methylphenol	50.000	52.748	-5.5	0	0.00	4.85
18		Acetophenone	50.000	52.560	-5.1	0	0.00	4.95
19		Hexachloroethane	50.000	53.719	-7.4	0	0.00	5.02
20	P	N-Nitroso-di-n-propylamin	50.000	53.995	-8.0	0	0.00	4.95
21		3&4-Methylphenol	100.000	107.971	-8.0	0	0.00	4.98
22	I	Naphthalene-d8	40.000	40.000	0.0	110	0.00	5.71
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	52.128	-4.3	0	0.00	5.09
25		Isophorone	50.000	55.724	-11.4	0	0.00	5.29
26	C	2-Nitrophenol	50.000	52.802	-5.6	0	0.00	5.36
27		2,4-Dimethylphenol	50.000	53.494	-7.0	0	0.00	5.41
28		bis(2-Chloroethoxy)methan	50.000	53.388	-6.8	0	0.00	5.49
29		Benzoic Acid	100.000	117.919	-17.9	0	0.02	5.55
30	C	2,4-Dichlorophenol	50.000	55.574	-11.1	0	0.00	5.60
31		1,2,4-Trichlorobenzene	50.000	53.602	-7.2	0	0.00	5.66
32		Naphthalene	50.000	52.005	-4.0	0	0.00	5.74
33		4-Chloroaniline	50.000	34.612	30.8#	0	0.00	5.80
34		2,6-Dichlorophenol	50.000	54.708	-9.4	0	0.00	5.80
35	C	Hexachlorobutadiene	50.000	53.269	-6.5	0	0.00	5.85
36		Caprolactam	50.000	54.545	-9.1	0	0.01	6.18
37	C	4-Chloro-3-methylphenol	50.000	54.834	-9.7	0	0.00	6.35

Initial Calibration Verification

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICV569
Lab FileID: F010042.D

38		2-Methylnaphthalene	50.000	56.386	-12.8	0	0.00	6.49
39		1-Methylnaphthalene	50.000	53.383	-6.8	0	0.00	6.61
40		1,2,4,5-Tetrachlorobenzen	50.000	53.333	-6.7	0	0.00	6.70
41	I	Acenaphthene-d10	40.000	40.000	0.0	116	0.00	7.90
			Amount	Calc.	%Drift			
42	P	Hexachlorocyclopentadiene	50.000	52.932	-5.9	0	0.00	6.68
			Amount	Calc.	%Drift			
43	C	2,4,6-Trichlorophenol	50.000	53.134	-6.3	0	0.00	6.86
44		2,4,5-Trichlorophenol	50.000	52.920	-5.8	0	0.00	6.92
45	S	2-Fluorobiphenyl			NA			
46		1,1'-Biphenyl	50.000	52.043	-4.1	0	0.00	7.09
47		2-Chloronaphthalene	50.000	51.635	-3.3	0	0.00	7.11
48		2-Nitroaniline	50.000	53.890	-7.8	0	0.00	7.27
49		Acenaphthylene	50.000	51.559	-3.1	0	0.00	7.69
50		Dimethylphthalate	50.000	56.275	-12.5	0	0.00	7.56
51		2,6-Dinitrotoluene	50.000	51.334	-2.7	0	0.00	7.64
52	C	Acenaphthene	50.000	53.677	-7.4	0	0.00	7.95
53		3-Nitroaniline	50.000	34.702	30.6#	0	0.00	7.88
			Amount	Calc.	%Drift			
54	P	2,4-Dinitrophenol	100.000	104.825	-4.8	0	0.00	8.06
			Amount	Calc.	%Drift			
55		Dibenzofuran	50.000	54.310	-8.6	0	0.00	8.22
56		2,4-Dinitrotoluene	50.000	54.429	-8.9	0	0.00	8.26
57	P	4-Nitrophenol	100.000	103.429	-3.4	0	0.00	8.25
58		2,3,4,6-Tetrachlorophenol	50.000	50.710	-1.4	0	0.00	8.45
59		Fluorene	50.000	53.036	-6.1	0	0.00	8.77
60		4-Chlorophenyl-phenylethe	50.000	55.632	-11.3	0	0.00	8.82
61		Diethylphthalate	50.000	56.646	-13.3	0	0.00	8.69
62		4-Nitroaniline	50.000	51.182	-2.4	0	0.00	8.87
63	I	Phenanthrene-d10	40.000	40.000	0.0	120	0.00	10.37
64		4,6-Dinitro-2-methylpheno	100.000	117.343	-17.3	0	0.00	8.94
65	C	n-Nitrosodiphenylamine	50.000	54.036	-8.1	0	0.00	9.03
66		1,2-Diphenylhydrazine	50.000	54.162	-8.3	0	0.00	9.08
67	S	2,4,6-Tribromophenol			NA			
68		4-Bromophenyl-phenylether	50.000	54.020	-8.0	0	0.00	9.64
69		Hexachlorobenzene	50.000	53.246	-6.5	0	0.00	9.69
70		Atrazine	50.000	55.416	-10.8	0	0.00	10.04
			Amount	Calc.	%Drift			
71	C	Pentachlorophenol	100.000	110.675	-10.7	0	0.00	10.09
			Amount	Calc.	%Drift			
72		Phenanthrene	50.000	53.646	-7.3	0	0.00	10.42
73		Anthracene	50.000	51.604	-3.2	0	0.00	10.51
74		Carbazole	50.000	54.222	-8.4	0	0.00	10.86
75		Di-n-butylphthalate	50.000	56.458	-12.9	0	0.00	11.65
76	C	Fluoranthene	50.000	56.381	-12.8	0	0.00	12.59
77	I	Chrysene-d12	40.000	40.000	0.0	127	0.00	15.29
78		Benzidine			NA			
79		Pyrene	50.000	52.404	-4.8	0	0.00	12.99
80	S	Terphenyl-d14			NA			
81		Butylbenzylphthalate	50.000	55.630	-11.3	0	0.00	14.46
82		3,3'-Dichlorobenzidine	50.000	1.586	96.8#	0	0.00	15.33

Initial Calibration Verification

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICV569
Lab FileID: F010042.D

83		Benzo[a]anthracene	50.000	52.746	-5.5	0	0.00	15.28
84		Chrysene	50.000	54.353	-8.7	0	0.00	15.34
85		bis(2-Ethylhexyl)phthalat	50.000	55.892	-11.8	0	0.00	15.65
86	I	Perylene-d12	40.000	40.000	0.0	127	0.00	17.79
87	C	Di-n-octylphthalate	50.000	58.296	-16.6	0	0.00	16.84
88		Benzo[b]fluoranthene	50.000	55.017	-10.0	0	0.00	17.19
89		Benzo[k]fluoranthene	50.000	54.857	-9.7	0	0.00	17.23
90	C	Benzo[a]pyrene	50.000	51.923	-3.8	0	0.00	17.70
91		Indeno[1,2,3-cd]pyrene	50.000	54.046	-8.1	0	0.00	19.38
92		Dibenz[a,h]anthracene	50.000	52.622	-5.2	0	0.00	19.43
93		Benzo[g,h,i]perylene	50.000	51.610	-3.2	0	0.00	19.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F009976.D 8270C.M Fri Jun 24 11:17:53 2005

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF572-CC569
Lab FileID: F010121.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\062805\F010121.D Vial: 2
Acq On : 28 Jun 2005 10:22 am Operator: nareshj
Sample : cc569-50 Inst : MS-F
Misc : op13672,sf572,30.0,,,1,1,soil Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jun 23 14:30:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	168	-0.03	4.60
2		1,4-Dioxane	0.425	0.405	4.7	166	-0.02	2.11
3		N-nitrosodimethylamine	0.585	0.595	-1.7	200#	-0.03	2.43
			Amount	Calc.	%Drift			
4		Pyridine	50.000	49.583	0.8	189	-0.03	2.47
			AvgRF	CCRF	%Dev			
5		Benzaldehyde	0.958	1.038	-8.4	170	-0.03	4.28
6		Aniline	2.111	1.938	8.2	158	-0.03	4.37
7	S	2-Fluorophenol	1.216	1.169	3.9	165	-0.03	3.64
8		bis(2-Chloroethyl)ether	1.119	1.068	4.6	161	-0.03	4.42
9	S	Phenol-d5	1.742	1.560	10.4	155	-0.03	4.37
10	C	Phenol	1.868	1.699	9.0	157	-0.03	4.38
11		2-Chlorophenol	1.405	1.340	4.6	162	-0.03	4.46
12		1,3-Dichlorobenzene	1.489	1.511	-1.5	171	-0.03	4.56
13	C	1,4-Dichlorobenzene	1.534	1.557	-1.5	170	-0.03	4.61
14		1,2-Dichlorobenzene	1.431	1.423	0.6	167	-0.03	4.73
15		Benzyl alcohol	0.871	0.848	2.6	164	-0.03	4.72
16		bis(2-chloroisopropyl)eth	1.721	1.603	6.9	154	-0.03	4.82
17		2-Methylphenol	1.271	1.206	5.1	162	-0.03	4.82
18		Acetophenone	1.863	1.949	-4.6	175	-0.03	4.92
19		Hexachloroethane	0.576	0.575	0.2	168	-0.03	4.99
20	P	N-Nitroso-di-n-propylamin	0.971	0.927	4.5	163	-0.03	4.92
21		3&4-Methylphenol	1.341	1.267	5.5	164	-0.03	4.94
22	I	Naphthalene-d8	1.000	1.000	0.0	168	-0.04	5.68
23	S	Nitrobenzene-d5	0.413	0.381	7.7	155	-0.03	5.04
24		Nitrobenzene	0.395	0.365	7.6	155	-0.03	5.06
25		Isophorone	0.652	0.624	4.3	159	-0.03	5.26
26	C	2-Nitrophenol	0.207	0.210	-1.4	169	-0.03	5.33
27		2,4-Dimethylphenol	0.382	0.374	2.1	166	-0.03	5.38
28		bis(2-Chloroethoxy)methan	0.387	0.373	3.6	158	-0.03	5.46
29		Benzoic Acid	0.279	0.275	1.4	172	-0.03	5.51
30	C	2,4-Dichlorophenol	0.314	0.321	-2.2	170	-0.04	5.56
31		1,2,4-Trichlorobenzene	0.334	0.345	-3.3	171	-0.04	5.62
32		Naphthalene	1.112	1.091	1.9	164	-0.04	5.70
33		4-Chloroaniline	0.471	0.451	4.2	159	-0.04	5.76
34		2,6-Dichlorophenol	0.297	0.298	-0.3	164	-0.04	5.77
35	C	Hexachlorobutadiene	0.175	0.187	-6.9	176	-0.04	5.82
36		Caprolactam	0.172	0.159	7.6	155	-0.03	6.15
37	C	4-Chloro-3-methylphenol	0.336	0.324	3.6	163	-0.04	6.31

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF572-CC569
Lab FileID: F010121.D

38		2-Methylnaphthalene	0.704	0.732	-4.0	173	-0.04	6.45
39		1-Methylnaphthalene	0.678	0.693	-2.2	167	-0.04	6.56
40		1,2,4,5-Tetrachlorobenzen	0.329	0.343	-4.3	172	-0.04	6.65
41	I	Acenaphthene-d10	1.000	1.000	0.0	169	-0.05	7.86
			Amount	Calc.	%Drift			
42	P	Hexachlorocyclopentadiene	50.000	61.080	-22.2#	221	-0.05	6.63
			AvgRF	CCRF	%Dev			
43	C	2,4,6-Trichlorophenol	0.395	0.408	-3.3	174	-0.05	6.81
44		2,4,5-Trichlorophenol	0.425	0.433	-1.9	172	-0.04	6.87
45	S	2-Fluorobiphenyl	1.392	1.443	-3.7	172	-0.04	6.92
46		1,1'-Biphenyl	1.523	1.687	-10.8	181	-0.04	7.05
47		2-Chloronaphthalene	1.192	1.210	-1.5	170	-0.04	7.07
48		2-Nitroaniline	0.410	0.379	7.6	157	-0.04	7.23
49		Acenaphthylene	2.016	2.018	-0.1	168	-0.05	7.64
50		Dimethylphthalate	1.371	1.400	-2.1	169	-0.04	7.52
51		2,6-Dinitrotoluene	0.335	0.328	2.1	163	-0.04	7.60
52	C	Acenaphthene	1.206	1.227	-1.7	169	-0.05	7.90
53		3-Nitroaniline	0.371	0.365	1.6	164	-0.05	7.84
			Amount	Calc.	%Drift			
54	P	2,4-Dinitrophenol	50.000	59.508	-19.0	207	-0.05	8.02
			AvgRF	CCRF	%Dev			
55		Dibenzofuran	1.710	1.729	-1.1	170	-0.05	8.18
56		2,4-Dinitrotoluene	0.430	0.438	-1.9	170	-0.05	8.21
57	P	4-Nitrophenol	0.188	0.194	-3.2	178	-0.05	8.20
58		2,3,4,6-Tetrachlorophenol	0.295	0.318	-7.8	179	-0.05	8.40
59		Fluorene	1.386	1.408	-1.6	169	-0.05	8.72
60		4-Chlorophenyl-phenylethe	0.643	0.663	-3.1	169	-0.05	8.76
61		Diethylphthalate	1.335	1.394	-4.4	172	-0.05	8.64
62		4-Nitroaniline	0.379	0.363	4.2	160	-0.05	8.82
63	I	Phenanthrene-d10	1.000	1.000	0.0	167	-0.05	10.32
64		4,6-Dinitro-2-methylpheno	0.149	0.155	-4.0	184	-0.05	8.88
65	C	n-Nitrosodiphenylamine	0.572	0.588	-2.8	169	-0.05	8.98
66		1,2-Diphenylhydrazine	0.766	0.756	1.3	161	-0.05	9.03
67	S	2,4,6-Tribromophenol	0.071	0.078	-9.9	181	-0.05	9.13
68		4-Bromophenyl-phenylether	0.193	0.198	-2.6	169	-0.06	9.59
69		Hexachlorobenzene	0.176	0.185	-5.1	173	-0.06	9.64
70		Atrazine	0.218	0.245	-12.4	176	-0.05	9.98
			Amount	Calc.	%Drift			
71	C	Pentachlorophenol	50.000	55.190	-10.4	227	-0.06	10.02
			AvgRF	CCRF	%Dev			
72		Phenanthrene	1.166	1.183	-1.5	169	-0.06	10.36
73		Anthracene	1.190	1.200	-0.8	168	-0.06	10.45
74		Carbazole	1.106	1.091	1.4	164	-0.06	10.80
75		Di-n-butylphthalate	1.275	1.338	-4.9	171	-0.05	11.60
76	C	Fluoranthene	1.176	1.196	-1.7	166	-0.06	12.53
77	I	Chrysene-d12	1.000	1.000	0.0	164	-0.06	15.23
78		Benzidine	1.000	0.986	1.4	159	-0.06	12.89
79		Pyrene	1.580	1.602	-1.4	167	-0.06	12.93
80	S	Terphenyl-d14	0.907	0.949	-4.6	172	-0.06	13.36
81		Butylbenzylphthalate	0.715	0.730	-2.1	165	-0.06	14.40
82		3,3'-Dichlorobenzidine	0.506	0.513	-1.4	163	-0.06	15.27

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF572-CC569
Lab FileID: F010121.D

83		Benzo[a]anthracene	1.401	1.405	-0.3	165	-0.06	15.22
84		Chrysene	1.317	1.320	-0.2	163	-0.06	15.28
85		bis(2-Ethylhexyl)phthalat	0.980	1.001	-2.1	162	-0.06	15.59
86	I	Perylene-d12	1.000	1.000	0.0	158	-0.06	17.73
87	C	Di-n-octylphthalate	1.904	1.913	-0.5	156	-0.06	16.78
88		Benzo[b]fluoranthene	1.431	1.429	0.1	160	-0.06	17.12
89		Benzo[k]fluoranthene	1.412	1.497	-6.0	166	-0.06	17.17
90	C	Benzo[a]pyrene	1.383	1.411	-2.0	158	-0.06	17.64
91		Indeno[1,2,3-cd]pyrene	1.157	1.170	-1.1	151	-0.07	19.31
92		Dibenz[a,h]anthracene	1.174	1.136	3.2	146	-0.07	19.36
93		Benzo[g,h,i]perylene	1.281	1.315	-2.7	152	-0.07	19.66

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F010038.D 8270C.M Wed Jun 29 10:28:46 2005

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3691-MB	EF052538.D	1	06/29/05	TD	n/a	n/a	GEF3691

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32754-1, F32754-2, F32754-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	71-130%
460-00-4	4-Bromofluorobenzene	87%	71-130%
98-08-8	aaa-Trifluorotoluene	93%	71-124%
98-08-8	aaa-Trifluorotoluene	100%	71-124%

Method Blank Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-MB	EF052602.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32754-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	71-130%
98-08-8	aaa-Trifluorotoluene	103%	71-124%

Method Blank Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-MB	EF052624.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32754-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	99%	71-130%
98-08-8	aaa-Trifluorotoluene	104%	71-124%

Blank Spike Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3691-BS	EF052537.D	1	06/29/05	TD	n/a	n/a	GEF3691

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32754-1, F32754-2, F32754-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	21.2	106	81-121
108-90-7	Chlorobenzene	20	21.9	110	76-120
95-50-1	1,2-Dichlorobenzene	20	19.6	98	63-127
541-73-1	1,3-Dichlorobenzene	20	20.1	101	70-124
106-46-7	1,4-Dichlorobenzene	20	18.4	92	68-121
100-41-4	Ethylbenzene	20	21.7	109	79-124
1634-04-4	Methyl Tert Butyl Ether	20	21.2	106	73-118
108-88-3	Toluene	20	21.5	108	79-122
1330-20-7	Xylenes (total)	60	63.8	106	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	71-130%
98-08-8	aaa-Trifluorotoluene	106%	71-124%

Blank Spike Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-BS	EF052601.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32754-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.6	98	81-121
108-90-7	Chlorobenzene	20	20.4	102	76-120
95-50-1	1,2-Dichlorobenzene	20	19.1	96	63-127
541-73-1	1,3-Dichlorobenzene	20	19.4	97	70-124
106-46-7	1,4-Dichlorobenzene	20	18.1	91	68-121
100-41-4	Ethylbenzene	20	20.2	101	79-124
1634-04-4	Methyl Tert Butyl Ether	20	19.3	97	73-118
108-88-3	Toluene	20	20.0	100	79-122
1330-20-7	Xylenes (total)	60	59.5	99	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	107%	71-130%
98-08-8	aaa-Trifluorotoluene	108%	71-124%

Blank Spike Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-BS	EF052623.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32754-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.1	101	81-121
108-90-7	Chlorobenzene	20	20.7	104	76-120
95-50-1	1,2-Dichlorobenzene	20	19.6	98	63-127
541-73-1	1,3-Dichlorobenzene	20	19.7	99	70-124
106-46-7	1,4-Dichlorobenzene	20	18.1	91	68-121
100-41-4	Ethylbenzene	20	20.4	102	79-124
1634-04-4	Methyl Tert Butyl Ether	20	20.7	104	73-118
108-88-3	Toluene	20	20.4	102	79-122
1330-20-7	Xylenes (total)	60	60.0	100	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	71-130%
98-08-8	aaa-Trifluorotoluene	108%	71-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F32754-3MS	EF052558.D	1	06/29/05	TD	n/a	n/a	GEF3691
F32754-3MSD	EF052559.D	1	06/29/05	TD	n/a	n/a	GEF3691
F32754-3	EF052557.D	1	06/29/05	TD	n/a	n/a	GEF3691

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32754-1, F32754-2, F32754-3

CAS No.	Compound	F32754-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.5	108	21.7	109	1	74-126/11
108-90-7	Chlorobenzene	ND		20	22.3	112	22.5	113	1	72-124/8
95-50-1	1,2-Dichlorobenzene	ND		20	20.2	101	21.3	107	5	55-136/13
541-73-1	1,3-Dichlorobenzene	ND		20	20.6	103	21.2	106	3	65-132/16
106-46-7	1,4-Dichlorobenzene	ND		20	19.0	95	19.5	98	3	61-133/11
100-41-4	Ethylbenzene	ND		20	21.8	109	22.0	110	1	71-131/8
1634-04-4	Methyl Tert Butyl Ether	ND		20	20.5	103	20.9	105	2	63-130/11
108-88-3	Toluene	ND		20	21.7	109	22.0	110	1	69-132/7
1330-20-7	Xylenes (total)	ND		60	64.8	108	65.1	109	0	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F32754-3	Limits
460-00-4	4-Bromofluorobenzene	104%	110%	91%	71-130%
98-08-8	aaa-Trifluorotoluene	102%	109%	97%	71-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F32780-1MS	EF052608.D	1	07/01/05	TD	n/a	n/a	GEF3694
F32780-1MSD	EF052609.D	1	07/01/05	TD	n/a	n/a	GEF3694
F32780-1	EF052607.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32754-4

CAS No.	Compound	F32780-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	27.5	110	27.8	111	1	74-126/11
108-90-7	Chlorobenzene	ND		25	28.4	114	28.9	116	2	72-124/8
95-50-1	1,2-Dichlorobenzene	ND		25	27.7	111	28.4	114	2	55-136/13
541-73-1	1,3-Dichlorobenzene	ND		25	27.6	110	28.2	113	2	65-132/16
106-46-7	1,4-Dichlorobenzene	ND		25	27.2	109	27.8	111	2	61-133/11
100-41-4	Ethylbenzene	ND		25	29.2	117	29.2	117	0	71-131/8
1634-04-4	Methyl Tert Butyl Ether	ND		25	26.2	105	25.6	102	2	63-130/11
108-88-3	Toluene	ND		25	28.4	114	28.4	114	0	69-132/7
1330-20-7	Xylenes (total)	ND		75	86.3	115	87.4	117	1	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F32780-1	Limits
460-00-4	4-Bromofluorobenzene	103%	103%	101%	71-130%
98-08-8	aaa-Trifluorotoluene	100%	99%	107%	71-124%

Volatile Surrogate Recovery Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F32754-1	EF052555.D	90.0	96.0
F32754-2	EF052556.D	91.0	96.0
F32754-3	EF052557.D	91.0	97.0
F32754-4	EF052603.D	96.0	100.0
F32754-3MS	EF052558.D	104.0	102.0
F32754-3MSD	EF052559.D	110.0	109.0
F32780-1MS	EF052608.D	103.0	100.0
F32780-1MSD	EF052609.D	103.0	99.0
GEF3691-BS	EF052537.D	105.0	106.0
GEF3691-MB	EF052538.D	87.0	100.0
GEF3694-BS	EF052601.D	107.0	108.0
GEF3694-BS	EF052623.D	108.0	108.0
GEF3694-MB	EF052602.D	98.0	103.0
GEF3694-MB	EF052624.D	99.0	104.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	71-130%
S2 = aaa-Trifluorotoluene	71-124%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GEF3691-CC3669
Lab File ID: EF052536.D
Instrument ID: GCEF

Injection Date: 06/29/05
Injection Time: 08:47
Method: EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.68	10.86	5.72	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
GEF3691-BS	EF052537.D	06/29/05	09:11		10.86		5.83
GEF3691-MB	EF052538.D	06/29/05	09:35	10.69	10.88	5.72	5.83
ZZZZZZ	EF052539.D	06/29/05	10:32		10.86		5.83
ZZZZZZ	EF052540.D	06/29/05	10:59		10.86		5.83
ZZZZZZ	EF052541.D	06/29/05	11:23		10.86		5.83
ZZZZZZ	EF052542.D	06/29/05	11:47		10.86		5.83
ZZZZZZ	EF052543.D	06/29/05	12:12	10.67	10.86	5.72	5.83
ZZZZZZ	EF052544.D	06/29/05	12:36		10.86		5.83
ZZZZZZ	EF052545.D	06/29/05	13:00		10.86		5.83
ZZZZZZ	EF052546.D	06/29/05	13:24		10.86		5.83
ZZZZZZ	EF052547.D	06/29/05	13:49		10.86		5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3691-CC3669	**Injection Date:**	06/29/05
Lab File ID:	EF052549.D	**Injection Time:**	14:37
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.86	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	EF052550.D	06/29/05	15:02	10.86	5.83
ZZZZZZ	EF052551.D	06/29/05	15:26	10.86	5.83
ZZZZZZ	EF052552.D	06/29/05	15:50	10.86	5.83
ZZZZZZ	EF052553.D	06/29/05	16:17	10.85	5.83
ZZZZZZ	EF052554.D	06/29/05	16:42	10.86	5.83
F32754-1	EF052555.D	06/29/05	17:06	10.86	5.83
F32754-2	EF052556.D	06/29/05	17:30	10.86	5.83
F32754-3	EF052557.D	06/29/05	17:54	10.86	5.83
F32754-3MS	EF052558.D	06/29/05	18:19	10.86	5.83
F32754-3MSD	EF052559.D	06/29/05	18:43	10.85	5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GEF3694-CC3669
Lab File ID: EF052600.D
Instrument ID: GCEF

Injection Date: 07/01/05
Injection Time: 09:40
Method: EPA 601/602

	S1 [a] RT	S2 [b] RT	S2 [a] RT
Check Std	10.85	5.71	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [b] RT	S2 [a] RT
GEF3694-BS	EF052601.D	07/01/05	10:04	10.85		5.83
GEF3694-MB	EF052602.D	07/01/05	10:29	10.88		5.83
F32754-4	EF052603.D	07/01/05	11:11	10.86		5.83
ZZZZZZ	EF052604.D	07/01/05	11:35	10.85		5.83
ZZZZZZ	EF052605.D	07/01/05	12:00	10.85		5.83
ZZZZZZ	EF052606.D	07/01/05	12:24	10.85		5.83
F32780-1	EF052607.D	07/01/05	12:48	10.85		5.83
F32780-1MS	EF052608.D	07/01/05	13:12	10.85		5.83
F32780-1MSD	EF052609.D	07/01/05	13:37	10.85		5.83
ZZZZZZ	EF052610.D	07/01/05	14:01	10.85	5.70	

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3694-CC3669	**Injection Date:**	07/01/05
Lab File ID:	EF052622.D	**Injection Time:**	20:38
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.67	10.85	5.71	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
GEF3694-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3695-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3694-MB	EF052624.D	07/01/05	21:26		10.85		5.83
GEF3695-MB	EF052624.D	07/01/05	21:26	10.67	10.85	5.71	5.83
ZZZZZZ	EF052625.D	07/01/05	21:50		10.85		5.83
ZZZZZZ	EF052626.D	07/01/05	22:14		10.85		5.83
ZZZZZZ	EF052627.D	07/01/05	22:39		10.85		5.83
ZZZZZZ	EF052628.D	07/01/05	23:03		10.85		5.83
ZZZZZZ	EF052629.D	07/01/05	23:27		10.85		5.83
ZZZZZZ	EF052630.D	07/01/05	23:51		10.85		5.83
ZZZZZZ	EF052631.D	07/02/05	00:15		10.85		5.83
ZZZZZZ	EF052632.D	07/02/05	00:40		10.86		5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: GEF3695-CC3669
Lab File ID: EF052622.D
Instrument ID: GCEF
Injection Date: 07/01/05
Injection Time: 20:38
Method: EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.67	10.85	5.71	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
GEF3694-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3695-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3694-MB	EF052624.D	07/01/05	21:26		10.85		5.83
GEF3695-MB	EF052624.D	07/01/05	21:26	10.67	10.85	5.71	5.83
ZZZZZZ	EF052625.D	07/01/05	21:50		10.85		5.83
ZZZZZZ	EF052626.D	07/01/05	22:14		10.85		5.83
ZZZZZZ	EF052627.D	07/01/05	22:39		10.85		5.83
ZZZZZZ	EF052628.D	07/01/05	23:03		10.85		5.83
ZZZZZZ	EF052629.D	07/01/05	23:27		10.85		5.83
ZZZZZZ	EF052630.D	07/01/05	23:51		10.85		5.83
ZZZZZZ	EF052631.D	07/02/05	00:15		10.85		5.83
ZZZZZZ	EF052632.D	07/02/05	00:40		10.86		5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3669-ICC3669
Lab FileID: EF052010.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL0330.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Jun 08 14:07:36 2005
Response via : Initial Calibration

Calibration Files
1 =EF052007.D 5 =EF052008.D 20 =EF052009.D 40 =EF052010.D
70 =EF052011.D 100 =EF052012.D

		Compound	1	5	20	40	70	100	Avg		%RSD
1)		Methyl tert Butyl E	1.303	1.475	1.467	1.480	1.481	1.479	1.448	E3	4.89
2)		Di-Isopropyl ether	2.410	2.711	2.677	2.668	2.656	2.657	2.630	E3	4.17
3)		Benzene	5.138	5.656	5.546	5.574	5.647	5.614	5.529	E3	3.55
4)	S	a,a,a-TFT(S)	1.731	1.756	1.778	1.736	1.839	1.843	1.780	E3	2.79
5)		Toluene	4.681	4.893	4.802	4.905	4.947	4.931	4.860	E3	2.08
6)		Chlorobenzene	4.461	4.585	4.564	4.629	4.681	4.690	4.602	E3	1.85
7)		Ethylbenzene	3.841	4.002	3.965	4.117	4.174	4.132	4.039	E3	3.11
8)		m,p-Xylene	4.420	4.405	4.367	4.500	4.556	4.572	4.470	E3	1.90
9)		o-Xylene	3.701	3.829	3.852	3.962	4.014	4.018	3.896	E3	3.20
10)	S	BFB(S)	3.307	3.412	3.638	3.670	3.957	3.961	3.658	E3	7.40
11)		1,3-Dichlorobenzene	2.907	2.617	2.838	3.091	3.302	3.287	3.007	E3	8.97
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9991									
		Response Ratio = 0.00000 + 3261.26140 *A									
12)		1,4-Dichlorobenzene	3.511	2.896	3.136	3.454	3.685	3.707	3.398	E3	9.44
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9989									
		Response Ratio = 0.00000 + 3661.76321 *A									
13)		1,2-Dichlorobenzene	1.648	1.298	1.477	1.723	1.901	1.886	1.656	E3	14.24
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9979									
		Response Ratio = 0.00000 + 1864.69285 *A									

Signal #2

1)		Methyl tert Butyl E	1.339	1.535	1.559	1.577	1.574	1.569	1.525	E3	6.06
2)		Di-Isopropyl ether	2.293	2.683	2.735	2.733	2.703	2.678	2.638	E3	6.46
3)		Benzene	5.246	5.881	5.883	5.890	5.953	5.901	5.792	E3	4.64
4)	S	a,a,a-TFT(S)	1.732	1.782	1.838	1.787	1.895	1.893	1.821	E3	3.60
5)		Toluene	4.825	5.174	5.136	5.149	5.221	5.174	5.113	E3	2.82
6)		Chlorobenzene	4.666	4.913	4.952	5.011	5.032	5.015	4.931	E3	2.79
7)		Ethylbenzene	4.180	4.455	4.398	4.495	4.579	4.525	4.439	E3	3.18
8)		m,p-Xylene	4.730	4.875	4.737	4.943	4.988	4.920	4.865	E3	2.23
9)		o-Xylene	3.732	3.982	4.069	4.139	4.209	4.153	4.048	E3	4.28
10)	S	BFB(S)	3.747	3.878	4.095	4.164	4.458	4.457	4.133	E3	7.08
11)		1,3-Dichlorobenzene	2.968	2.704	2.964	3.218	3.425	3.400	3.113	E3	9.10
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9992									
		Response Ratio = 0.00000 + 3378.80375 *A									
12)		1,4-Dichlorobenzene	3.441	2.925	3.160	3.477	3.665	3.696	3.394	E3	8.83
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9992									
		Response Ratio = 0.00000 + 3652.69225 *A									
13)		1,2-Dichlorobenzene	1.708	1.375	1.585	1.868	2.048	2.051	1.772	E3	15.15
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9979									
		Response Ratio = 0.00000 + 2021.11827 *A									

Initial Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3669-ICC3669
Lab FileID: EF052010.D

(#) = Out of Range

DUAL0330.M Thu Jun 09 08:54:50 2005

Initial Calibration Verification

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3669-ICV3669
Lab FileID: EF052013.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\060805\EF052013.D\FID1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\060805\EF052013.D\FID2B.CH
Acq On : 8 Jun 2005 2:07 pm Operator: KelliK
Sample : icv3669-20 Inst : VOA1
Misc : gc5022,gef3669,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0330.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Jun 08 14:07:36 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	20.000	21.126	-5.6	104	0.00	2.84- 3.04
2	Di-Isopropyl ether	20.000	19.170	4.1	94	0.00	3.30- 3.50
3	Benzene	20.000	19.771	1.1	99	0.00	4.57- 4.77
4 S	a,a,a-TFT(S)	20.000	20.143	-0.7	101	0.00	5.60- 5.80
5	Toluene	20.000	20.170	-0.9	102	0.00	7.00- 7.20
6	Chlorobenzene	20.000	20.878	-4.4	105	0.02	8.81- 9.01
7	Ethylbenzene	20.000	20.548	-2.7	105	0.02	9.15- 9.35
8	m,p-Xylene	40.000	41.048	-2.6	105	0.02	9.46- 9.66
9	o-Xylene	20.000	20.832	-4.2	105	0.02	9.99-10.19
10 S	BFB(S)	20.000	20.851	-4.3	105	0.02	10.50-10.80
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	21.711	-8.6	125	0.02	12.43-12.63
12	1,4-Dichlorobenzene	20.000	19.799	1.0	116	0.02	12.54-12.74
13	1,2-Dichlorobenzene	20.000	21.633	-8.2	137	0.02	13.05-13.25

***** Signal #2 *****

	----------	Amount	Calc.	%Drift	----------		
1	Methyl tert Butyl Ethe	20.000	20.428	-2.1	100	0.00	2.79- 2.99
2	Di-Isopropyl ether	20.000	19.020	4.9	92	0.00	3.21- 3.41
3	Benzene	20.000	19.689	1.6	97	0.00	4.59- 4.79
4 S	a,a,a-TFT(S)	20.000	19.701	1.5	98	0.00	5.71- 5.91
5	Toluene	20.000	20.071	-0.4	100	0.00	6.96- 7.16
6	Chlorobenzene	20.000	21.020	-5.1	105	0.02	8.93- 9.13
7	Ethylbenzene	20.000	20.578	-2.9	104	0.02	9.12- 9.32
8	m,p-Xylene	40.000	41.007	-2.5	105	0.02	9.31- 9.51
9	o-Xylene	20.000	21.168	-5.8	105	0.02	9.90-10.11
10 S	BFB(S)	20.000	20.721	-3.6	105	0.02	10.69-10.99
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	21.481	-7.4	122	0.02	12.50-12.70
12	1,4-Dichlorobenzene	20.000	20.054	-0.3	116	0.02	12.66-12.86
13	1,2-Dichlorobenzene	20.000	21.477	-7.4	137	0.01	13.26-13.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0330.M Thu Jun 09 08:54:11 2005

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3691-CC3669
Lab FileID: EF052536.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062905\EF052536.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\062905\EF052536.D\FID2B.CH
Acq On : 29 Jun 2005 8:47 am Operator: Trangd
Sample : cc3669-40 Inst : VOA1
Misc : gc5093,gef3690,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	39.572	1.1	97	0.00	2.85- 3.05
2		Di-Isopropyl ether	40.000	38.723	3.2	95	0.00	3.31- 3.51
3		Benzene	40.000	40.754	-1.9	101	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	16.207	19.0#	83	0.00	5.61- 5.81
5		Toluene	40.000	40.925	-2.3	101	0.00	7.02- 7.22
6		Chlorobenzene	40.000	40.807	-2.0	101	0.00	8.83- 9.03
7		Ethylbenzene	40.000	40.839	-2.1	100	0.00	9.17- 9.37
8		m,p-Xylene	80.000	81.005	-1.3	101	0.00	9.48- 9.68
9		o-Xylene	40.000	41.621	-4.1	102	0.00	10.01-10.21
10	S	BFB(S)	20.000	17.097	14.5	85	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift	----------		
11		1,3-Dichlorobenzene	40.000	37.470	6.3	99	0.00	12.45-12.65
12		1,4-Dichlorobenzene	40.000	36.939	7.7	98	0.00	12.56-12.76
13		1,2-Dichlorobenzene	40.000	36.900	7.8	100	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift	----------		
1		Methyl tert Butyl Ethe	40.000	42.368	-5.9	102	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	41.702	-4.3	101	0.00	3.22- 3.42
3		Benzene	40.000	43.653	-9.1	107	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	17.303	13.5	88	0.00	5.73- 5.93
5		Toluene	40.000	43.676	-9.2	108	0.00	6.97- 7.17
6		Chlorobenzene	40.000	43.669	-9.2	107	0.00	8.94- 9.14
7		Ethylbenzene	40.000	43.946	-9.9	108	0.00	9.14- 9.34
8		m,p-Xylene	80.000	86.948	-8.7	107	0.00	9.33- 9.53
9		o-Xylene	40.000	44.767	-11.9	109	0.00	9.92-10.12
10	S	BFB(S)	20.000	18.074	9.6	90	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift	----------		
11		1,3-Dichlorobenzene	40.000	40.731	-1.8	107	0.00	12.52-12.72
12		1,4-Dichlorobenzene	40.000	39.602	1.0	104	0.00	12.68-12.88
13		1,2-Dichlorobenzene	40.000	39.657	0.9	107	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052010.D DUAL0608.M Thu Jun 30 12:38:14 2005

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3691-CC3669
Lab FileID: EF052549.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062905\EF052549.D\FID1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\062905\EF052549.D\FID2B.CH
Acq On : 29 Jun 2005 2:37 pm Operator: Trangd
Sample : cc3669-20 Inst : VOA1
Misc : gc5093,gef3691,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	20.659	-3.3	102	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	19.777	1.1	97	0.00	3.31- 3.51
3		Benzene	20.000	20.352	-1.8	101	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	18.970	5.2	95	0.00	5.61- 5.81
5		Toluene	20.000	20.248	-1.2	102	0.00	7.02- 7.22
6		Chlorobenzene	20.000	20.151	-0.8	102	0.00	8.83- 9.03
7		Ethylbenzene	20.000	20.318	-1.6	103	0.00	9.17- 9.37
8		m,p-Xylene	40.000	39.849	0.4	102	0.00	9.48- 9.68
9		o-Xylene	20.000	20.375	-1.9	103	0.00	10.01-10.21
10	S	BFB(S)	20.000	19.772	1.1	99	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	18.620	6.9	107	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.154	9.2	106	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	19.212	3.9	121	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	21.740	-8.7	106	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	21.229	-6.1	102	0.00	3.22- 3.42
3		Benzene	20.000	21.851	-9.3	108	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	20.246	-1.2	100	0.00	5.73- 5.93
5		Toluene	20.000	22.020	-10.1	110	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.678	-8.4	108	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.939	-9.7	111	0.00	9.14- 9.34
8		m,p-Xylene	40.000	43.143	-7.9	111	0.00	9.33- 9.53
9		o-Xylene	20.000	22.356	-11.8	111	0.00	9.92-10.12
10	S	BFB(S)	20.000	21.184	-5.9	107	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.122	-0.6	115	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	19.665	1.7	114	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	20.641	-3.2	132	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jun 30 12:37:51 2005

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3691-ECC3669
Lab FileID: EF052560.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\062905\EF052560.D\FID1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\062905\EF052560.D\FID2B.CH
Acq On : 29 Jun 2005 7:07 pm Operator: Trangd
Sample : ecc3669-20 Inst : VOA1
Misc : gc5100,gef3691,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	20.000	20.362	-1.8	100	0.00	2.85- 3.05
2	Di-Isopropyl ether	20.000	19.784	1.1	97	0.00	3.31- 3.51
3	Benzene	20.000	20.260	-1.3	101	0.00	4.59- 4.79
4 S	a,a,a-TFT(S)	20.000	19.377	3.1	97	0.00	5.61- 5.81
5	Toluene	20.000	20.195	-1.0	102	0.00	7.02- 7.22
6	Chlorobenzene	20.000	20.036	-0.2	101	0.02	8.83- 9.03
7	Ethylbenzene	20.000	20.071	-0.4	102	0.02	9.17- 9.37
8	m,p-Xylene	40.000	39.659	0.9	101	0.02	9.48- 9.68
9	o-Xylene	20.000	20.345	-1.7	103	0.02	10.01-10.21
10 S	BFB(S)	20.000	19.778	1.1	99	0.02	10.52-10.82
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	18.661	6.7	107	0.02	12.45-12.65
12	1,4-Dichlorobenzene	20.000	18.360	8.2	107	0.02	12.56-12.76
13	1,2-Dichlorobenzene	20.000	18.935	5.3	120	0.01	13.07-13.27

***** Signal #2 *****

	----------	Amount	Calc.	%Drift	----------		
1	Methyl tert Butyl Ethe	20.000	22.330	-11.6	109	0.00	2.80- 3.00
2	Di-Isopropyl ether	20.000	21.847	-9.2	105	0.00	3.22- 3.42
3	Benzene	20.000	22.374	-11.9	110	0.00	4.60- 4.80
4 S	a,a,a-TFT(S)	20.000	21.336	-6.7	106	0.00	5.73- 5.93
5	Toluene	20.000	22.165	-10.8	110	0.00	6.97- 7.17
6	Chlorobenzene	20.000	22.093	-10.5	110	0.02	8.94- 9.14
7	Ethylbenzene	20.000	21.839	-9.2	110	0.02	9.14- 9.34
8	m,p-Xylene	40.000	43.359	-8.4	111	0.02	9.33- 9.53
9	o-Xylene	20.000	22.463	-12.3	112	0.02	9.92-10.12
10 S	BFB(S)	20.000	21.620	-8.1	109	0.02	10.70-11.00
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	20.509	-2.5	117	0.02	12.52-12.72
12	1,4-Dichlorobenzene	20.000	20.233	-1.2	117	0.02	12.68-12.88
13	1,2-Dichlorobenzene	20.000	20.316	-1.6	130	0.02	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Fri Jul 01 13:03:48 2005

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3694-CC3669
Lab FileID: EF052600.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052600.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052600.D\FID2B.CH
Acq On : 1 Jul 2005 9:40 am Operator: Trangd
Sample : CC3669-40 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	38.834	2.9	95	0.00	2.85- 3.05
2		Di-Isopropyl ether	40.000	37.966	5.1	94	0.00	3.31- 3.51
3		Benzene	40.000	39.107	2.2	97	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	18.747	6.3	96	0.00	5.61- 5.81
5		Toluene	40.000	39.437	1.4	98	0.00	7.02- 7.22
6		Chlorobenzene	40.000	40.060	-0.2	100	0.00	8.83- 9.03
7		Ethylbenzene	40.000	40.271	-0.7	99	0.00	9.17- 9.37
8		m,p-Xylene	80.000	80.235	-0.3	100	0.00	9.48- 9.68
9		o-Xylene	40.000	40.498	-1.2	100	0.00	10.01-10.21
10	S	BFB(S)	20.000	19.262	3.7	96	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	40.000	38.811	3.0	102	0.00	12.45-12.65
12		1,4-Dichlorobenzene	40.000	38.617	3.5	102	0.00	12.56-12.76
13		1,2-Dichlorobenzene	40.000	39.445	1.4	107	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	40.000	42.532	-6.3	103	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	42.158	-5.4	102	0.00	3.22- 3.42
3		Benzene	40.000	42.692	-6.7	105	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	20.481	-2.4	104	0.00	5.73- 5.93
5		Toluene	40.000	42.826	-7.1	106	0.00	6.97- 7.17
6		Chlorobenzene	40.000	43.660	-9.1	107	0.00	8.94- 9.14
7		Ethylbenzene	40.000	43.839	-9.6	108	0.00	9.14- 9.34
8		m,p-Xylene	80.000	87.316	-9.1	107	0.00	9.33- 9.53
9		o-Xylene	40.000	44.323	-10.8	108	0.00	9.92-10.12
10	S	BFB(S)	20.000	20.899	-4.5	104	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	40.000	43.021	-7.6	113	0.00	12.52-12.72
12		1,4-Dichlorobenzene	40.000	42.071	-5.2	110	0.00	12.68-12.88
13		1,2-Dichlorobenzene	40.000	42.605	-6.5	115	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052010.D DUAL0608.M Fri Jul 08 13:24:31 2005

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3694-CC3669
Lab FileID: EF052611.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052611.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052611.D\FID2B.CH
Acq On : 1 Jul 2005 2:26 pm Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	20.000	21.372	-6.9	105	0.00	2.85- 3.05
2	Di-Isopropyl ether	20.000	20.499	-2.5	101	0.00	3.31- 3.51
3	Benzene	20.000	20.136	-0.7	100	0.00	4.59- 4.79
4 S	a,a,a-TFT(S)	20.000	20.036	-0.2	100	0.00	5.61- 5.81
5	Toluene	20.000	19.523	2.4	99	0.00	7.02- 7.22
6	Chlorobenzene	20.000	19.614	1.9	99	0.02	8.83- 9.03
7	Ethylbenzene	20.000	18.952	5.2	97	0.02	9.17- 9.37
8	m,p-Xylene	40.000	37.760	5.6	97	0.02	9.48- 9.68
9	o-Xylene	20.000	19.714	1.4	100	0.02	10.01-10.21
10 S	BFB(S)	20.000	21.153	-5.8	106	0.02	10.52-10.82
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	19.060	4.7	110	0.01	12.45-12.65
12	1,4-Dichlorobenzene	20.000	18.863	5.7	110	0.01	12.56-12.76
13	1,2-Dichlorobenzene	20.000	20.258	-1.3	128	0.01	13.07-13.27

***** Signal #2 *****

	----------	Amount	Calc.	%Drift	----------		
1	Methyl tert Butyl Ethe	20.000	22.883	-14.4	112	0.00	2.80- 3.00
2	Di-Isopropyl ether	20.000	22.283	-11.4	107	0.00	3.22- 3.42
3	Benzene	20.000	21.951	-9.8	108	0.00	4.60- 4.80
4 S	a,a,a-TFT(S)	20.000	21.615	-8.1	107	0.00	5.73- 5.93
5	Toluene	20.000	21.221	-6.1	106	0.00	6.97- 7.17
6	Chlorobenzene	20.000	21.397	-7.0	107	0.02	8.94- 9.14
7	Ethylbenzene	20.000	20.631	-3.2	104	0.02	9.14- 9.34
8	m,p-Xylene	40.000	40.698	-1.7	104	0.02	9.33- 9.53
9	o-Xylene	20.000	21.570	-7.9	107	0.02	9.92-10.12
10 S	BFB(S)	20.000	22.718	-13.6	115	0.02	10.70-11.00
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	20.630	-3.1	118	0.01	12.52-12.72
12	1,4-Dichlorobenzene	20.000	20.358	-1.8	118	0.01	12.68-12.88
13	1,2-Dichlorobenzene	20.000	21.675	-8.4	138	0.01	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:26:48 2005

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3694-CC3669
Lab FileID: EF052622.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID2B.CH
Acq On : 1 Jul 2005 8:38 pm Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.949	5.3	93	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	18.978	5.1	93	0.00	3.31- 3.51
3		Benzene	20.000	19.392	3.0	97	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	19.890	0.5	100	0.00	5.61- 5.81
5		Toluene	20.000	19.921	0.4	101	0.00	7.02- 7.22
6		Chlorobenzene	20.000	20.257	-1.3	102	0.00	8.83- 9.03
7		Ethylbenzene	20.000	20.365	-1.8	104	0.00	9.17- 9.37
8		m,p-Xylene	40.000	40.556	-1.4	104	0.00	9.48- 9.68
9		o-Xylene	20.000	20.490	-2.4	104	0.00	10.01-10.21
10	S	BFB(S)	20.000	20.149	-0.7	101	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	19.493	2.5	112	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.881	5.6	110	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	19.590	2.1	124	0.00	13.07-13.27

***** Signal #2 *****

			Amount	Calc.	%Drift			
		----------						----------
1		Methyl tert Butyl Ethe	20.000	20.487	-2.4	100	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	20.787	-3.9	100	0.00	3.22- 3.42
3		Benzene	20.000	21.098	-5.5	104	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	21.500	-7.5	107	0.00	5.73- 5.93
5		Toluene	20.000	21.553	-7.8	107	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.946	-9.7	109	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.912	-9.6	111	0.00	9.14- 9.34
8		m,p-Xylene	40.000	43.279	-8.2	111	0.00	9.33- 9.53
9		o-Xylene	20.000	22.437	-12.2	112	0.00	9.92-10.12
10	S	BFB(S)	20.000	21.666	-8.3	109	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.911	-4.6	119	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.523	-2.6	119	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	21.001	-5.0	134	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:43:07 2005

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3695-CC3669
Lab FileID: EF052622.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID2B.CH
Acq On : 1 Jul 2005 8:38 pm Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.949	5.3	93	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	18.978	5.1	93	0.00	3.31- 3.51
3		Benzene	20.000	19.392	3.0	97	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	19.890	0.5	100	0.00	5.61- 5.81
5		Toluene	20.000	19.921	0.4	101	0.00	7.02- 7.22
6		Chlorobenzene	20.000	20.257	-1.3	102	0.00	8.83- 9.03
7		Ethylbenzene	20.000	20.365	-1.8	104	0.00	9.17- 9.37
8		m,p-Xylene	40.000	40.556	-1.4	104	0.00	9.48- 9.68
9		o-Xylene	20.000	20.490	-2.4	104	0.00	10.01-10.21
10	S	BFB(S)	20.000	20.149	-0.7	101	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	19.493	2.5	112	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.881	5.6	110	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	19.590	2.1	124	0.00	13.07-13.27

***** Signal #2 *****

			Amount	Calc.	%Drift			
		----------						----------
1		Methyl tert Butyl Ethe	20.000	20.487	-2.4	100	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	20.787	-3.9	100	0.00	3.22- 3.42
3		Benzene	20.000	21.098	-5.5	104	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	21.500	-7.5	107	0.00	5.73- 5.93
5		Toluene	20.000	21.553	-7.8	107	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.946	-9.7	109	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.912	-9.6	111	0.00	9.14- 9.34
8		m,p-Xylene	40.000	43.279	-8.2	111	0.00	9.33- 9.53
9		o-Xylene	20.000	22.437	-12.2	112	0.00	9.92-10.12
10	S	BFB(S)	20.000	21.666	-8.3	109	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.911	-4.6	119	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.523	-2.6	119	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	21.001	-5.0	134	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:43:07 2005

Continuing Calibration Summary

Job Number: F32754
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3695-CC3669
Lab FileID: EF052633.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052633.D\FID1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052633.D\FID2B.CH
Acq On : 2 Jul 2005 1:04 am Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5117,gef3695,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	19.842	0.8	98	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	19.386	3.1	95	0.00	3.31- 3.51
3		Benzene	20.000	19.685	1.6	98	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	18.751	6.2	94	0.00	5.61- 5.81
5		Toluene	20.000	19.948	0.3	101	0.00	7.02- 7.22
6		Chlorobenzene	20.000	19.889	0.6	100	0.00	8.83- 9.03
7		Ethylbenzene	20.000	19.865	0.7	101	0.00	9.17- 9.37
8		m,p-Xylene	40.000	39.975	0.1	102	0.00	9.48- 9.68
9		o-Xylene	20.000	20.434	-2.2	103	0.00	10.01-10.21
10	S	BFB(S)	20.000	19.190	4.0	96	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	18.992	5.0	109	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.567	7.2	108	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	19.579	2.1	124	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	21.506	-7.5	105	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	21.214	-6.1	102	0.00	3.22- 3.42
3		Benzene	20.000	21.438	-7.2	106	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	20.403	-2.0	101	0.00	5.73- 5.93
5		Toluene	20.000	21.625	-8.1	108	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.790	-8.9	109	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.567	-7.8	109	0.00	9.14- 9.34
8		m,p-Xylene	40.000	42.887	-7.2	110	0.00	9.33- 9.53
9		o-Xylene	20.000	22.118	-10.6	110	0.00	9.92-10.12
10	S	BFB(S)	20.000	21.030	-5.2	106	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.676	-3.4	118	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.395	-2.0	118	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	20.723	-3.6	132	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:43:07 2005

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F32781

Sampling Date: 06/23/05

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **80**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F32781

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F32781-1	06/23/05	08:52	BS	06/24/05	AQ	Ground Water	UST645-MW22
F32781-2	06/23/05	09:30	BS	06/24/05	AQ	Ground Water	UST645-MW17
F32781-3	06/23/05	10:00	BS	06/24/05	AQ	Ground Water	UST645-MW10
F32781-4	06/23/05	10:25	BS	06/24/05	AQ	Ground Water	UST645-MW14
F32781-5	06/23/05	10:50	BS	06/24/05	AQ	Ground Water	UST645-MW7
F32781-6	06/23/05	12:45	BS	06/24/05	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EEI **Job No:** F32781

Site: Camp Lejeune-Bldg 645 **Report Date:** 7/15/2005 4:52:43 PM

5 Samples and 1 Trip Blank were collected on 06/23/2005 and were received at Accutest on 06/24/2005 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of F32781. 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.

Extractables by GCMS by Method EPA 625

Matrix: AQ **Batch ID:** OP13693

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 F32782-3MS, F32782-3MSD were used as the QC samples indicated.

Volatiles by GC by Method EPA 601/602

Matrix: AQ **Batch ID:** GCD2542

All samples were analyzed within the recommended method holding time.

Samples F32883-1MS, F32883-1MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method EPA 601/602: F32781-1, F32781-2, F32781-3, F32781-5, F32781-6. Samples analyzed beyond hold time; reported results are considered minimum values. All hits confirmed by dual column analysis.

RPDs for MSD for Benzene, Ethylbenzene, Toluene, Xylenes (total) are outside control limits for sample F32883-1MSD. Probable cause: due to sample non-homogeneity.

Matrix: AQ **Batch ID:** GEF3694

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F32780-1MS, F32780-1MSD were used as the QC samples indicated.

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: July 15, 2005

Ellen Pampel, Inorganic QA (signature on file)

Friday, July 15, 2005

Report of Analysis

Client Sample ID: UST645-MW22
Lab Sample ID: F32781-1
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/23/05
Date Received: 06/24/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F010142.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	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:	UST645-MW22		
Lab Sample ID:	F32781-1	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		19-90%
4165-62-2	Phenol-d5	23%		10-68%
118-79-6	2,4,6-Tribromophenol	91%		36-137%
4165-60-0	Nitrobenzene-d5	65%		49-119%
321-60-8	2-Fluorobiphenyl	77%		45-118%
1718-51-0	Terphenyl-d14	90%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		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:	UST645-MW22		
Lab Sample ID:	F32781-1	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F32781-1	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD061641.D	1	07/12/05	MM	n/a	n/a	GCD2542
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	16.2	1.0	0.50	ug/l	
108-88-3	Toluene [b]	0.65	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		71-130%
98-08-8	aaa-Trifluorotoluene	95%		71-124%

(a) Sample analyzed beyond hold time; reported results are considered minimum values. All hits confirmed by dual column analysis.
(b) CCV outside of control limits; results may be biased high.

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

Report of Analysis

Client Sample ID: UST645-MW17
Lab Sample ID: F32781-2
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/23/05
Date Received: 06/24/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F010143.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
Run #2							

	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	2.0	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	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	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	5.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	2.0	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	5.1	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.1	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.1	1.0	ug/l	
120-12-7	Anthracene	ND	5.1	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	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	2.0	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	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.1	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.1	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.1	1.0	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:	UST645-MW17		
Lab Sample ID:	F32781-2	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.1	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.1	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.1	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.1	1.0	ug/l	
86-73-7	Fluorene	ND	5.1	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.1	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.1	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.1	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.1	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	2.0	ug/l	
78-59-1	Isophorone	ND	5.1	1.0	ug/l	
91-20-3	Naphthalene	ND	5.1	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.1	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.1	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.1	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		19-90%
4165-62-2	Phenol-d5	23%		10-68%
118-79-6	2,4,6-Tribromophenol	84%		36-137%
4165-60-0	Nitrobenzene-d5	63%		49-119%
321-60-8	2-Fluorobiphenyl	74%		45-118%
1718-51-0	Terphenyl-d14	77%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		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:	UST645-MW17		
Lab Sample ID:	F32781-2	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW17		
Lab Sample ID:	F32781-2	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD061640.D	1	07/12/05	MM	n/a	n/a	GCD2542
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		71-130%
98-08-8	aaa-Trifluorotoluene	95%		71-124%

(a) Sample analyzed beyond hold time; reported results are considered minimum values. All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: UST645-MW10
Lab Sample ID: F32781-3
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 06/23/05
Date Received: 06/24/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F010144.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW10		
Lab Sample ID:	F32781-3	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		19-90%
4165-62-2	Phenol-d5	23%		10-68%
118-79-6	2,4,6-Tribromophenol	84%		36-137%
4165-60-0	Nitrobenzene-d5	65%		49-119%
321-60-8	2-Fluorobiphenyl	73%		45-118%
1718-51-0	Terphenyl-d14	83%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
590-36-3	2-Pentanol, 2-methyl-	2.37	5.9	ug/l	JN
77-74-7	3-Pentanol, 3-methyl-	2.57	6.5	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW10		
Lab Sample ID:	F32781-3	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
597-96-6	3-Hexanol, 3-methyl-	3.38	5.2	ug/l	JN
	Total TIC, Semi-Volatile		17.6	ug/l	J

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

Report of Analysis

Client Sample ID:	UST645-MW10		
Lab Sample ID:	F32781-3	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD061642.D	1	07/12/05	MM	n/a	n/a	GCD2542
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		71-130%
98-08-8	aaa-Trifluorotoluene	97%		71-124%

(a) Sample analyzed beyond hold time; reported results are considered minimum values. All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	UST645-MW14		
Lab Sample ID:	F32781-4	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F010145.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	24	15	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW14		
Lab Sample ID:	F32781-4	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		19-90%
4165-62-2	Phenol-d5	26%		10-68%
118-79-6	2,4,6-Tribromophenol	93%		36-137%
4165-60-0	Nitrobenzene-d5	73%		49-119%
321-60-8	2-Fluorobiphenyl	82%		45-118%
1718-51-0	Terphenyl-d14	88%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		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:	UST645-MW14		
Lab Sample ID:	F32781-4	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW14		
Lab Sample ID:	F32781-4	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF052606.D	1	07/01/05	TD	n/a	n/a	GEF3694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		71-130%
98-08-8	aaa-Trifluorotoluene	98%		71-124%

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

Report of Analysis

Client Sample ID:	UST645-MW7		
Lab Sample ID:	F32781-5	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F010146.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	24	15	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

Report of Analysis

Client Sample ID:	UST645-MW7		
Lab Sample ID:	F32781-5	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	92%		36-137%
4165-60-0	Nitrobenzene-d5	70%		49-119%
321-60-8	2-Fluorobiphenyl	79%		45-118%
1718-51-0	Terphenyl-d14	90%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		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:	UST645-MW7		
Lab Sample ID:	F32781-5	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW7		
Lab Sample ID:	F32781-5	**Date Sampled:**	06/23/05
Matrix:	AQ - Ground Water	**Date Received:**	06/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD061643.D	1	07/12/05	MM	n/a	n/a	GCD2542
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		71-130%
98-08-8	aaa-Trifluorotoluene	97%		71-124%

(a) Sample analyzed beyond hold time; reported results are considered minimum values. All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F32781-6	**Date Sampled:**	06/23/05
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD061644.D	1	07/12/05	MM	n/a	n/a	GCD2542
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		71-130%
98-08-8	aaa-Trifluorotoluene	96%		71-124%

(a) Sample analyzed beyond hold time; reported results are considered minimum values. All hits confirmed by dual column analysis.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F32781
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Engineering + Environment Inc.
ADDRESS: 824 Gumbranch rd. Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO: Bill Morris
PHONE #: 910-989-3214

FACILITY INFORMATION

PROJECT NAME: Bid 645
LOCATION:
PROJECT NO.:
FAX #: 910-989-3341

ANALYTICAL INFORMATION

60 / 62

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	60	62
1	UST645-MW22	6/23/05	8:52	BS	GW	5	X				X	3	2
2	UST645-MW17	6/23/05	9:30	BS	GW	6	X				X	3	2
3	UST645-MW10	6/23/05	10:05	BS	GW	5	X				X	3	2
4	UST645-MW14	6/23/05	10:25	BS	GW	5	X				X	3	2
5	UST645-MW7	6/23/05	10:50	BS	GW	5	X				X	3	2
6	Trip Blank	6/23/05	12:45										

DATA TURNAROUND INFORMATION

☑ STANDARD
☐ 48 HOUR RUSH
☐ 24 HOUR EMERGENCY
☐ OTHER
APPROVED BY:
EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☑ OTHER (SPECIFY) Nccsg 4

COMMENTS/REMARKS

Bob Sellers

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Bob Sellers	12:45 6/23/05	1. FX	2. FX	9:08 6-24-05	2. Steven Cuzzort
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐
5.		5.			TEMPERATURE 3.6, 3.6 C

F32781: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F32781 CLIENT: engineering + envir PROJECT: Bld 645

DATE/TIME RECEIVED: 6-24-05 / 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.4, 3.6

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

AIRBILL NUMBERS: 8508 6431 7487

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] NO COC RECEIVED
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] 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 PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] 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(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE Steven Brown /6-24-05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

4.1 4

F32781: Chain of Custody

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GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-MB	F010133.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32781-1, F32781-2, F32781-3, F32781-4, F32781-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	

Method Blank Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-MB	F010133.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32781-1, F32781-2, F32781-3, F32781-4, F32781-5

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	19-90%
4165-62-2	Phenol-d5	30%	10-68%
118-79-6	2,4,6-Tribromophenol	87%	36-137%
4165-60-0	Nitrobenzene-d5	70%	49-119%
321-60-8	2-Fluorobiphenyl	77%	45-118%
1718-51-0	Terphenyl-d14	84%	46-135%

Method Blank Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-MB	F010133.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32781-1, F32781-2, F32781-3, F32781-4, F32781-5

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-BS	F010132.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32781-1, F32781-2, F32781-3, F32781-4, F32781-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	37.5	75	62-103
59-50-7	4-Chloro-3-methyl phenol	50	37.5	75	64-103
120-83-2	2,4-Dichlorophenol	50	40.8	82	59-103
105-67-9	2,4-Dimethylphenol	50	35.3	71	43-94
51-28-5	2,4-Dinitrophenol	100	82.2	82	12-125
534-52-1	4,6-Dinitro-o-cresol	100	95.7	96	47-119
88-75-5	2-Nitrophenol	50	39.5	79	64-104
100-02-7	4-Nitrophenol	100	38.0	38	22-50
87-86-5	Pentachlorophenol	100	108	108	50-111
108-95-2	Phenol	50	17.7	35	25-53
88-06-2	2,4,6-Trichlorophenol	50	40.8	82	60-103
83-32-9	Acenaphthene	50	41.0	82	62-101
208-96-8	Acenaphthylene	50	39.6	79	65-113
120-12-7	Anthracene	50	41.4	83	69-107
92-87-5	Benzidine	50	30.1	60	10-125
56-55-3	Benzo(a)anthracene	50	42.3	85	68-106
50-32-8	Benzo(a)pyrene	50	40.8	82	70-114
205-99-2	Benzo(b)fluoranthene	50	43.5	87	68-110
191-24-2	Benzo(g,h,i)perylene	50	42.0	84	63-115
207-08-9	Benzo(k)fluoranthene	50	45.7	91	68-112
101-55-3	4-Bromophenyl phenyl ether	50	45.1	90	73-103
85-68-7	Butyl benzyl phthalate	50	45.9	92	69-108
91-58-7	2-Chloronaphthalene	50	40.3	81	64-102
106-47-8	4-Chloroaniline	50	38.4	77	57-104
218-01-9	Chrysene	50	43.7	87	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	38.7	77	57-103
111-44-4	bis(2-Chloroethyl)ether	50	40.6	81	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	37.3	75	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	43.4	87	71-104
95-50-1	1,2-Dichlorobenzene	50	37.2	74	62-100
122-66-7	1,2-Diphenylhydrazine	50	42.1	84	65-105
541-73-1	1,3-Dichlorobenzene	50	36.3	73	59-99
106-46-7	1,4-Dichlorobenzene	50	36.7	73	60-101
121-14-2	2,4-Dinitrotoluene	50	41.6	83	65-111
606-20-2	2,6-Dinitrotoluene	50	39.9	80	77-111
91-94-1	3,3'-Dichlorobenzidine	50	42.6	85	42-110

Blank Spike Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-BS	F010132.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32781-1, F32781-2, F32781-3, F32781-4, F32781-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
53-70-3	Dibenzo(a,h)anthracene	50	38.3	77	62-115
84-74-2	Di-n-butyl phthalate	50	46.3	93	68-109
117-84-0	Di-n-octyl phthalate	50	48.1	96	63-120
84-66-2	Diethyl phthalate	50	45.3	91	64-110
131-11-3	Dimethyl phthalate	50	43.8	88	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	46.8	94	64-115
206-44-0	Fluoranthene	50	43.4	87	68-111
86-73-7	Fluorene	50	41.3	83	66-105
118-74-1	Hexachlorobenzene	50	44.6	89	69-103
87-68-3	Hexachlorobutadiene	50	38.9	78	55-90
77-47-4	Hexachlorocyclopentadiene	50	34.3	69	26-95
67-72-1	Hexachloroethane	50	35.6	71	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	42.0	84	63-118
78-59-1	Isophorone	50	40.2	80	64-107
91-20-3	Naphthalene	50	36.8	74	62-101
98-95-3	Nitrobenzene	50	37.4	75	61-106
62-75-9	N-Nitrosodimethylamine	50	21.3	43	12-78
621-64-7	N-Nitroso-di-n-propylamine	50	38.0	76	64-109
86-30-6	N-Nitrosodiphenylamine	50	44.0	88	69-114
85-01-8	Phenanthrene	50	42.9	86	68-104
129-00-0	Pyrene	50	45.0	90	64-105
120-82-1	1,2,4-Trichlorobenzene	50	38.3	77	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	54%	19-90%
4165-62-2	Phenol-d5	31%	10-68%
118-79-6	2,4,6-Tribromophenol	94%	36-137%
4165-60-0	Nitrobenzene-d5	73%	49-119%
321-60-8	2-Fluorobiphenyl	83%	45-118%
1718-51-0	Terphenyl-d14	92%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-MS	F010140.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
OP13693-MSD	F010141.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
F32782-3	F010139.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32781-1, F32781-2, F32781-3, F32781-4, F32781-5

CAS No.	Compound	F32782-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		94.3	56.4	60	66.3	70	16	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		94.3	64.6	68	70.7	75	9	60-101/18
120-83-2	2,4-Dichlorophenol	ND		94.3	62.3	66	72.2	77	15	55-100/24
105-67-9	2,4-Dimethylphenol	ND		94.3	55.6	59	63.7	68	14	36-98/26
51-28-5	2,4-Dinitrophenol	ND		189	142	75	153	81	7	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		189	171	91	174	92	2	40-127/24
88-75-5	2-Nitrophenol	ND		94.3	60.6	64	72.3	77	18	53-104/25
100-02-7	4-Nitrophenol	ND		189	88.5	47	95.1	50	7	32-81/28
87-86-5	Pentachlorophenol	ND		189	196	104	198	105	1	44-118/16
108-95-2	Phenol	ND		94.3	35.8	38	41.4	44	15	31-77/26
88-06-2	2,4,6-Trichlorophenol	ND		94.3	67.9	72	75.7	80	11	55-103/21
83-32-9	Acenaphthene	ND		94.3	68.0	72	74.4	79	9	55-103/20
208-96-8	Acenaphthylene	ND		94.3	65.1	69	71.3	76	9	55-113/20
120-12-7	Anthracene	ND		94.3	74.6	79	76.8	81	3	66-105/14
92-87-5	Benzidine	ND		94.3	32.2	34	35.6	38	10	10-125/50
56-55-3	Benzo(a)anthracene	ND		94.3	76.5	81	79.5	84	4	65-103/16
50-32-8	Benzo(a)pyrene	ND		94.3	74.6	79	76.2	81	2	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		94.3	79.0	84	80.5	85	2	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		94.3	78.8	84	79.4	84	1	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		94.3	81.1	86	83.2	88	3	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		94.3	79.0	84	81.4	86	3	68-102/16
85-68-7	Butyl benzyl phthalate	ND		94.3	81.5	86	82.8	88	2	65-108/17
91-58-7	2-Chloronaphthalene	ND		94.3	63.4	67	71.9	76	13	58-101/22
106-47-8	4-Chloroaniline	ND		94.3	57.2	61	68.2	72	18	39-101/21
218-01-9	Chrysene	ND		94.3	78.9	84	81.3	86	3	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		94.3	57.9	61	68.2	72	16	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		94.3	60.9	65	72.8	77	18	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		94.3	54.5	58	64.6	68	17	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		94.3	75.6	80	81.2	86	7	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		94.3	56.2	60	66.4	70	17	50-101/22
122-66-7	1,2-Diphenylhydrazine	ND		94.3	73.8	78	76.5	81	4	61-101/17
541-73-1	1,3-Dichlorobenzene	ND		94.3	54.2	57	64.9	69	18	50-100/23
106-46-7	1,4-Dichlorobenzene	ND		94.3	55.5	59	65.2	69	16	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		94.3	73.5	78	78.7	83	7	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		94.3	69.9	74	73.2	78	5	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		94.3	73.9	78	80.0	85	8	18-112/22

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13693-MS	F010140.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
OP13693-MSD	F010141.D	1	06/28/05	NJ	06/27/05	OP13693	SF572
F32782-3	F010139.D	1	06/28/05	NJ	06/27/05	OP13693	SF572

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

F32781-1, F32781-2, F32781-3, F32781-4, F32781-5

CAS No.	Compound	F32782-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
53-70-3	Dibenzo(a,h)anthracene	ND		94.3	69.8	74	72.4	77	4	57-111/20
84-74-2	Di-n-butyl phthalate	ND		94.3	81.1	86	84.5	90	4	63-107/17
117-84-0	Di-n-octyl phthalate	ND		94.3	82.1	87	83.4	88	2	58-126/23
84-66-2	Diethyl phthalate	ND		94.3	80.3	85	84.0	89	5	59-110/18
131-11-3	Dimethyl phthalate	ND		94.3	76.4	81	82.1	87	7	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		94.3	81.8	87	82.9	88	1	55-120/22
206-44-0	Fluoranthene	ND		94.3	77.3	82	82.1	87	6	62-108/17
86-73-7	Fluorene	ND		94.3	71.4	76	76.0	81	6	60-105/17
118-74-1	Hexachlorobenzene	ND		94.3	79.0	84	80.9	86	2	64-102/16
87-68-3	Hexachlorobutadiene	ND		94.3	59.3	63	72.6	77	20	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		94.3	51.1	54	65.3	69	24	20-92/34
67-72-1	Hexachloroethane	ND		94.3	53.6	57	64.4	68	18	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		94.3	77.8	82	78.2	83	1	61-111/19
78-59-1	Isophorone	ND		94.3	61.9	66	70.7	75	13	59-103/23
91-20-3	Naphthalene	ND		94.3	56.3	60	66.4	70	16	52-102/23
98-95-3	Nitrobenzene	ND		94.3	55.7	59	65.2	69	16	51-103/25
62-75-9	N-Nitrosodimethylamine	ND		94.3	36.5	39	46.4	49	24	20-91/29
621-64-7	N-Nitroso-di-n-propylamine	ND		94.3	58.5	62	67.5	72	14	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		94.3	77.5	82	80.8	86	4	62-112/16
85-01-8	Phenanthrene	ND		94.3	76.7	81	78.7	83	3	64-103/15
129-00-0	Pyrene	ND		94.3	81.5	86	80.6	85	1	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		94.3	58.5	62	69.4	74	17	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F32782-3	Limits
367-12-4	2-Fluorophenol	50%	59%	35%	19-90%
4165-62-2	Phenol-d5	34%	40%	19%	10-68%
118-79-6	2,4,6-Tribromophenol	88%	89%	89%	36-137%
4165-60-0	Nitrobenzene-d5	58%	69%	55%	49-119%
321-60-8	2-Fluorobiphenyl	68%	78%	65%	45-118%
1718-51-0	Terphenyl-d14	86%	87%	86%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-DFTPP
Lab File ID: F010035.D
Instrument ID: GCMSF
Injection Date: 06/23/05
Injection Time: 10:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	149324	41.2		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	155066	42.8		Pass
70	Less than 2.0% of mass 69	987	0.27	(0.64) [a]	Pass
127	40.0 - 60.0% of mass 198	178434	49.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	362218	100.0		Pass
199	5.0 - 9.0% of mass 198	23357	6.4		Pass
275	10.0 - 30.0% of mass 198	71402	19.7		Pass
365	1.0 - 100.0% of mass 198	5532	1.5		Pass
441	Present, but less than mass 443	28343	7.8	(73.9) [b]	Pass
442	40.0 - 100.0% of mass 198	193413	53.4		Pass
443	17.0 - 23.0% of mass 442	38369	10.6	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SF569-IC569	F010036.D	06/23/05	10:55	00:20	Initial cal 5
SF569-IC569	F010037.D	06/23/05	11:25	00:50	Initial cal 25
SF569-IC569	F010038.D	06/23/05	11:55	01:20	Initial cal 50
SF569-ICC569	F010039.D	06/23/05	12:26	01:51	Initial cal 75
SF569-IC569	F010040.D	06/23/05	12:56	02:21	Initial cal 100
SF569-IC569	F010041.D	06/23/05	13:27	02:52	Initial cal 125
SF569-ICV569	F010042.D	06/23/05	13:57	03:22	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF572-DFTPP
Lab File ID: F010120.D
Instrument ID: GCMSF
Injection Date: 06/28/05
Injection Time: 10:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	77194	40.4		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	79188	41.4		Pass
70	Less than 2.0% of mass 69	473	0.25	(0.6) [a]	Pass
127	40.0 - 60.0% of mass 198	91685	48.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	191149	100.0		Pass
199	5.0 - 9.0% of mass 198	13258	6.9		Pass
275	10.0 - 30.0% of mass 198	37792	19.8		Pass
365	1.0 - 100.0% of mass 198	3242	1.7		Pass
441	Present, but less than mass 443	14142	7.4	(72.3) [b]	Pass
442	40.0 - 100.0% of mass 198	97394	51.0		Pass
443	17.0 - 23.0% of mass 442	19555	10.2	(20.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SF572-CC569	F010121.D	06/28/05	10:22	00:19	Continuing cal 50
OP13695-LBS	F010122.D	06/28/05	10:52	00:49	Blank Spike
OP13695-LB	F010123.D	06/28/05	11:23	01:20	Leachate Blank
F32705-2	F010124.D	06/28/05	11:53	01:50	(used for QC only; not part of job F32781)
OP13695-DUP	F010125.D	06/28/05	12:24	02:21	Duplicate
F32705-3	F010126.D	06/28/05	12:54	02:51	(used for QC only; not part of job F32781)
OP13695-MS	F010127.D	06/28/05	13:25	03:22	Matrix Spike
OP13695-MSD	F010128.D	06/28/05	13:55	03:52	Matrix Spike Duplicate
OP13694-BS	F010129.D	06/28/05	14:26	04:23	Blank Spike
OP13694-MB	F010130.D	06/28/05	14:56	04:53	Method Blank
ZZZZZZ	F010131.D	06/28/05	15:27	05:24	(unrelated sample)
OP13693-BS	F010132.D	06/28/05	15:57	05:54	Blank Spike
OP13693-MB	F010133.D	06/28/05	16:28	06:25	Method Blank
ZZZZZZ	F010134.D	06/28/05	16:58	06:55	(unrelated sample)
ZZZZZZ	F010135.D	06/28/05	17:28	07:25	(unrelated sample)
ZZZZZZ	F010136.D	06/28/05	17:58	07:55	(unrelated sample)
ZZZZZZ	F010137.D	06/28/05	18:29	08:26	(unrelated sample)
ZZZZZZ	F010138.D	06/28/05	18:59	08:56	(unrelated sample)
F32782-3	F010139.D	06/28/05	19:29	09:26	(used for QC only; not part of job F32781)

Instrument Performance Check (DFTPP)

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample:	SF572-DFTPP	**Injection Date:**	06/28/05
Lab File ID:	F010120.D	**Injection Time:**	10:03
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP13693-MS	F010140.D	06/28/05	19:59	09:56	Matrix Spike
OP13693-MSD	F010141.D	06/28/05	20:29	10:26	Matrix Spike Duplicate
F32781-1	F010142.D	06/28/05	20:59	10:56	UST645-MW22
F32781-2	F010143.D	06/28/05	21:30	11:27	UST645-MW17
F32781-3	F010144.D	06/28/05	21:59	11:56	UST645-MW10
F32781-4	F010145.D	06/28/05	22:30	12:27	UST645-MW14
F32781-5	F010146.D	06/28/05	23:00	12:57	UST645-MW7

Semivolatile Internal Standard Area Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SF572-CC569 **Injection Date:** 06/28/05
Lab File ID: F010121.D **Injection Time:** 10:22
Instrument ID: GCMSF **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	190728	4.60	697036	5.68	394542	7.86	666363	10.32	535364	15.23	473000	17.73
Upper Limit [a]	381456	5.10	1394072	6.18	789084	8.36	1332726	10.82	1070728	15.73	946000	18.23
Lower Limit [b]	95364	4.10	348518	5.18	197271	7.36	333182	9.82	267682	14.73	236500	17.23
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**	**IS 6 AREA**	**RT**
OP13695-LBS	197620	4.60	740137	5.68	414632	7.85	697346	10.32	549656	15.23	458780	17.72
OP13695-LB	188919	4.60	694558	5.68	381728	7.85	643440	10.31	500919	15.22	436908	17.72
F32705-2	189524	4.60	702779	5.68	385384	7.85	643798	10.31	500503	15.22	429323	17.72
OP13695-DUP	182832	4.60	688415	5.67	379517	7.85	643141	10.31	499958	15.22	436961	17.72
F32705-3	197420	4.60	746388	5.68	425826	7.85	725376	10.31	564647	15.22	468520	17.72
OP13695-MS	210933	4.60	809330	5.68	459773	7.85	781460	10.32	609414	15.23	505296	17.73
OP13695-MSD	196836	4.60	748889	5.68	428362	7.85	722442	10.32	552429	15.23	460164	17.72
OP13694-BS [c]	191427	4.60	703509	5.68	395451	7.85	661974	10.32	510582	15.23	422537	17.72
OP13694-MB	203442	4.60	749101	5.68	406539	7.85	657376	10.31	479831	15.22	382534	17.72
ZZZZZZ	211451	4.60	774444	5.68	425336	7.85	707205	10.31	516773	15.22	430446	17.72
OP13693-BS	217419	4.60	803455	5.68	446903	7.85	736692	10.32	555595	15.23	460091	17.72
OP13693-MB	191760	4.60	689806	5.68	381848	7.85	634009	10.31	503239	15.22	435836	17.72
ZZZZZZ	174100	4.60	643999	5.68	353701	7.85	597982	10.31	469213	15.22	408818	17.72
ZZZZZZ	182653	4.60	678459	5.67	367739	7.85	624222	10.31	506973	15.22	445912	17.72
ZZZZZZ	155465	4.60	576139	5.67	318711	7.85	549771	10.31	442958	15.22	388214	17.72
ZZZZZZ	180729	4.60	661636	5.68	365293	7.85	604003	10.31	481793	15.22	425094	17.72
ZZZZZZ	172821	4.60	627235	5.67	344739	7.85	585907	10.31	482148	15.22	423813	17.72
F32782-3	160024	4.60	599607	5.67	333683	7.85	563774	10.31	453666	15.22	392087	17.72
OP13693-MS	188265	4.60	703526	5.68	392854	7.85	642424	10.31	475880	15.23	397143	17.72
OP13693-MSD	198453	4.60	732126	5.68	410631	7.85	693670	10.32	549072	15.23	474707	17.72
F32781-1	212315	4.60	795280	5.68	441111	7.85	731476	10.31	567956	15.22	486668	17.72
F32781-2	195922	4.60	738386	5.68	408890	7.85	683468	10.31	542007	15.22	470545	17.72
F32781-3	204164	4.60	764741	5.68	436697	7.85	738429	10.31	589859	15.22	493531	17.72
F32781-4	189716	4.60	703946	5.67	391627	7.85	654192	10.31	526310	15.22	452492	17.72
F32781-5	176040	4.60	636794	5.67	351493	7.85	586834	10.31	452398	15.22	393663	17.72

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	SF572-CC569	**Injection Date:**	06/28/05
Lab File ID:	F010121.D	**Injection Time:**	10:22
Instrument ID:	GCMSF	**Method:**	EPA 625

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(c) Insufficient sample for MS/MSD.

Semivolatile Surrogate Recovery Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F32781-1	F010142.D	41.0	23.0	91.0	65.0	77.0	90.0
F32781-2	F010143.D	42.0	23.0	84.0	63.0	74.0	77.0
F32781-3	F010144.D	42.0	23.0	84.0	65.0	73.0	83.0
F32781-4	F010145.D	48.0	26.0	93.0	73.0	82.0	88.0
F32781-5	F010146.D	45.0	24.0	92.0	70.0	79.0	90.0
OP13693-BS	F010132.D	54.0	31.0	94.0	73.0	83.0	92.0
OP13693-MB	F010133.D	50.0	30.0	87.0	70.0	77.0	84.0
OP13693-MS	F010140.D	50.0	34.0	88.0	58.0	68.0	86.0
OP13693-MSD	F010141.D	59.0	40.0	89.0	69.0	78.0	87.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	19-90%
S2 = Phenol-d5	10-68%
S3 = 2,4,6-Tribromophenol	36-137%
S4 = Nitrobenzene-d5	49-119%
S5 = 2-Fluorobiphenyl	45-118%
S6 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICC569
Lab FileID: F010039.D

Response Factor Report MS-F

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jun 23 14:30:01 2005
Response via : Initial Calibration

Calibration Files
5 =F010036.D 25 =F010037.D 50 =F010038.D 75 =F010039.D
100 =F010040.D 125 =F010041.D icv =F009976.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.490	0.411	0.409	0.411	0.424	0.405		0.425	7.70
3) N-nitrosodimethyl	0.661	0.512	0.501	0.520	0.681	0.634		0.585	14.13
4) Pyridine	1.542	1.007	0.910	1.085	1.254	1.193		1.165	19.10
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9905									
Response Ratio = 0.00000 + 0.90252 *A + 0.10448 *A^2									
5) Benzaldehyde	0.995	1.036	1.028	0.926	0.802			0.958	10.16
6) Aniline	2.063	2.240	2.057	2.023	2.193	2.090		2.111	4.07
7)S 2-Fluorophenol	1.193	1.236	1.192	1.198	1.237	1.240		1.216	1.95
8) bis(2-Chloroethyl	1.046	1.132	1.118	1.130	1.134	1.151		1.119	3.30
9)S Phenol-d5	1.710	1.873	1.698	1.645	1.801	1.724		1.742	4.70
10)C Phenol	1.794	1.990	1.822	1.788	1.932	1.879		1.868	4.37
11) 2-Chlorophenol	1.355	1.432	1.388	1.389	1.450	1.414		1.405	2.45
12) 1,3-Dichlorobenze	1.472	1.503	1.483	1.488	1.498	1.487		1.489	0.74
13)C 1,4-Dichlorobenze	1.515	1.560	1.537	1.531	1.531	1.530		1.534	0.96
14) 1,2-Dichlorobenze	1.432	1.458	1.432	1.425	1.434	1.408		1.431	1.13
15) Benzyl alcohol	0.725	0.929	0.870	0.878	0.923	0.904		0.871	8.67
16) bis(2-chloroisopr	1.667	1.698	1.748	1.751	1.735	1.730		1.721	1.90
17) 2-Methylphenol	1.267	1.343	1.251	1.216	1.287	1.263		1.271	3.33
18) Acetophenone	1.809	1.897	1.870	1.891	1.863	1.847		1.863	1.71
19) Hexachloroethane	0.554	0.575	0.577	0.590	0.582	0.578		0.576	2.07
20)P N-Nitroso-di-n-pr	0.910	1.001	0.955	0.981	1.001	0.981		0.971	3.56
21) 3&4-Methylphenol	1.355	1.399	1.298	1.286	1.366	1.345		1.341	3.18
22) I Naphthalene-d8	ISTD								
23)S Nitrobenzene-d5	0.400	0.419	0.413	0.416	0.419	0.410		0.413	1.70
24) Nitrobenzene	0.387	0.390	0.397	0.396	0.403	0.393		0.395	1.46
25) Isophorone	0.617	0.646	0.659	0.667	0.674	0.650		0.652	3.11
26)C 2-Nitrophenol	0.196	0.204	0.209	0.210	0.214	0.208		0.207	3.00
27) 2,4-Dimethylpheno	0.363	0.381	0.379	0.393	0.391	0.383		0.382	2.82
28) bis(2-Chloroethox	0.366	0.376	0.398	0.403	0.390	0.390		0.387	3.63
29) Benzoic Acid		0.262	0.269	0.278	0.297	0.289		0.279	5.06
30)C 2,4-Dichloropheno	0.297	0.314	0.317	0.321	0.324	0.314		0.314	2.97
31) 1,2,4-Trichlorobe	0.318	0.333	0.341	0.347	0.335	0.329		0.334	2.94
32) Naphthalene	1.058	1.118	1.118	1.136	1.131	1.114		1.112	2.52
33) 4-Chloroaniline	0.449	0.485	0.477	0.473	0.481	0.462		0.471	2.86
34) 2,6-Dichloropheno	0.282	0.298	0.305	0.305	0.305	0.290		0.297	3.32
35)C Hexachlorobutadie	0.159	0.168	0.180	0.191	0.176	0.176		0.175	6.17
36) Caprolactam	0.168	0.171	0.172	0.167	0.185	0.171		0.172	3.70
37)C 4-Chloro-3-methyl	0.314	0.349	0.335	0.337	0.348	0.332		0.336	3.79
38) 2-Methylnaphthale	0.652	0.695	0.713	0.727	0.728	0.709		0.704	4.03
39) 1-Methylnaphthale	0.635	0.676	0.697	0.692	0.694	0.674		0.678	3.40
40) 1,2,4,5-Tetrachlo	0.311	0.331	0.337	0.337	0.337	0.323		0.329	3.16
41) I Acenaphthene-d10	ISTD								

Initial Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICC569
Lab FileID: F010039.D

```
42)P Hexachlorocyclope 0.077 0.143 0.209 0.264 0.247 0.289       0.205  39.32
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9919
              Response Ratio = 0.00000 + 0.16416 *A + 0.03912 *A^2

43)C 2,4,6-Trichloroph 0.369 0.400 0.395 0.408 0.400 0.398       0.395   3.39
44)  2,4,5-Trichloroph 0.415 0.430 0.425 0.430 0.430 0.419       0.425   1.52
45)S 2-Fluorobiphenyl  1.350 1.362 1.418 1.448 1.374 1.400       1.392   2.66
46)  1,1'-Biphenyl     1.461 1.493 1.579 1.597 1.486 1.521       1.523   3.56
47)  2-Chloronaphthale 1.151 1.192 1.206 1.225 1.181 1.196       1.192   2.09
48)  2-Nitroaniline    0.386 0.425 0.408 0.409 0.423 0.410       0.410   3.43
49)  Acenaphthylene    1.921 2.027 2.026 2.051 2.054 2.018       2.016   2.42
50)  Dimethylphthalate 1.301 1.353 1.397 1.404 1.406 1.367       1.371   2.97
51)  2,6-Dinitrotoluen 0.330 0.340 0.340 0.337 0.333 0.329       0.335   1.43
52)C Acenaphthene      1.159 1.201 1.227 1.230 1.216 1.203       1.206   2.14
53)  3-Nitroaniline    0.346 0.383 0.375 0.364 0.386 0.373       0.371   3.91
54)P 2,4-Dinitrophenol 0.047 0.098 0.136 0.149 0.179 0.191       0.133  40.20
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
              Response Ratio = 0.00000 + 0.09186 *A + 0.03239 *A^2

55)  Dibenzofuran      1.639 1.691 1.720 1.749 1.745 1.715       1.710   2.38
56)  2,4-Dinitrotoluen 0.390 0.429 0.435 0.439 0.453 0.433       0.430   4.90
57)P 4-Nitrophenol     0.176 0.193 0.184 0.179 0.203 0.192       0.188   5.42
58)  2,3,4,6-Tetrachlo 0.256 0.278 0.299 0.307 0.321 0.307       0.295   7.98
59)  Fluorene          1.320 1.359 1.406 1.436 1.421 1.375       1.386   3.11
60)  4-Chlorophenyl-ph 0.600 0.631 0.664 0.672 0.650 0.638       0.643   4.05
61)  Diethylphthalate  1.216 1.270 1.369 1.421 1.373 1.361       1.335   5.72
62)  4-Nitroaniline    0.348 0.395 0.383 0.368 0.410 0.371       0.379   5.74

63) I   Phenanthrene-d10      ----------------ISTD---------------------
64)  4,6-Dinitro-2-met       0.129 0.140 0.155 0.161 0.163       0.149   9.68
65)C n-Nitrosodiphenyl 0.523 0.585 0.581 0.593 0.568 0.580       0.572   4.42
66)  1,2-Diphenylhydra 0.702 0.737 0.783 0.808 0.764 0.799       0.766   5.26
67)S 2,4,6-Tribromophe 0.067 0.073 0.072 0.073 0.070 0.071       0.071   3.07
68)  4-Bromophenyl-phe 0.189 0.192 0.196 0.200 0.190 0.193       0.193   2.11
69)  Hexachlorobenzene 0.176 0.173 0.178 0.178 0.177 0.177       0.176   0.91
70)  Atrazine          0.200 0.216 0.233 0.232 0.210 0.214       0.218   5.85
71)C Pentachlorophenol       0.053 0.063 0.072 0.078 0.084       0.070  17.38
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9951
              Response Ratio = 0.00000 + 0.07825 *A

72)  Phenanthrene      1.142 1.168 1.168 1.187 1.158 1.176       1.166   1.32
73)  Anthracene        1.155 1.192 1.188 1.212 1.203 1.192       1.190   1.62
74)  Carbazole         1.083 1.125 1.109 1.115 1.131 1.073       1.106   2.09
75)  Di-n-butylphthala 1.140 1.202 1.309 1.366 1.313 1.316       1.275   6.66
76)C Fluoranthene      1.114 1.161 1.199 1.198 1.220 1.167       1.176   3.21

77) I   Chrysene-d12          ----------------ISTD---------------------
78)  Benzidine               1.007 1.018 1.047 0.980 0.949       1.000   3.75
79)  Pyrene            1.575 1.580 1.572 1.623 1.514 1.614       1.580   2.44
80)S Terphenyl-d14     0.856 0.894 0.908 0.953 0.881 0.953       0.907   4.30
81)  Butylbenzylphthal 0.654 0.692 0.726 0.757 0.715 0.749       0.715   5.36
82)  3,3'-Dichlorobenz 0.479 0.505 0.517 0.528 0.507 0.497       0.506   3.31
83)  Benzo[a]anthracen 1.376 1.379 1.400 1.435 1.403 1.410       1.401   1.55
84)  Chrysene          1.277 1.296 1.325 1.369 1.322 1.312       1.317   2.36
85)  bis(2-Ethylhexyl) 0.876 0.927 1.010 1.039 0.985 1.044       0.980   6.80

86) I   Perylene-d12          ----------------ISTD---------------------
87)C Di-n-octylphthala 1.750 1.847 1.931 2.041 1.833 2.025       1.904   6.06
88)  Benzo[b]fluoranth 1.398 1.409 1.405 1.499 1.426 1.451       1.431   2.67
89)  Benzo[k]fluoranth 1.328 1.392 1.424 1.489 1.394 1.447       1.412   3.89
```

Initial Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICC569
Lab FileID: F010039.D

90)C Benzo[a]pyrene	1.282	1.374	1.408	1.435	1.393	1.406	1.383	3.86
91) Indeno[1,2,3-cd]p	1.014	1.148	1.220	1.157	1.232	1.169	1.157	6.74
92) Dibenz[a,h]anthra	1.033	1.153	1.225	1.174	1.226	1.233	1.174	6.49
93) Benzo[g,h,i]peryl	1.160	1.295	1.368	1.268	1.344	1.251	1.281	5.78

(#) = Out of Range

8270C.M Fri Jun 24 11:17:17 2005

Initial Calibration Verification

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICV569
Lab FileID: F010042.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\062305\F010042.D Vial: 8
Acq On : 23 Jun 2005 1:57 pm Operator: nareshj
Sample : icv569-50 Inst : MS-F
Misc : op13595,sf569,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jun 23 14:30:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	102	0.00	4.63
2		1,4-Dioxane	50.000	45.777	8.4	0	0.00	2.13
3		N-nitrosodimethylamine	50.000	45.969	8.1	0	0.00	2.47
		----------	Amount	Calc.	%Drift		----------	
4		Pyridine	50.000	52.630	-5.3	0	0.00	2.50
		----------	Amount	Calc.	%Drift		----------	
5		Benzaldehyde	50.000	53.619	-7.2	0	0.00	4.31
6		Aniline	50.000	45.768	8.5	0	0.00	4.39
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	59.065	-18.1	0	0.00	4.44
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	52.090	-4.2	0	0.00	4.41
11		2-Chlorophenol	50.000	53.991	-8.0	0	0.00	4.49
12		1,3-Dichlorobenzene	50.000	52.110	-4.2	0	0.00	4.59
13	C	1,4-Dichlorobenzene	50.000	52.898	-5.8	0	0.00	4.65
14		1,2-Dichlorobenzene	50.000	52.692	-5.4	0	0.00	4.76
15		Benzyl alcohol	50.000	57.631	-15.3	0	0.00	4.75
16		bis(2-chloroisopropyl)eth	50.000	54.052	-8.1	0	0.00	4.85
17		2-Methylphenol	50.000	52.748	-5.5	0	0.00	4.85
18		Acetophenone	50.000	52.560	-5.1	0	0.00	4.95
19		Hexachloroethane	50.000	53.719	-7.4	0	0.00	5.02
20	P	N-Nitroso-di-n-propylamin	50.000	53.995	-8.0	0	0.00	4.95
21		3&4-Methylphenol	100.000	107.971	-8.0	0	0.00	4.98
22	I	Naphthalene-d8	40.000	40.000	0.0	110	0.00	5.71
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	52.128	-4.3	0	0.00	5.09
25		Isophorone	50.000	55.724	-11.4	0	0.00	5.29
26	C	2-Nitrophenol	50.000	52.802	-5.6	0	0.00	5.36
27		2,4-Dimethylphenol	50.000	53.494	-7.0	0	0.00	5.41
28		bis(2-Chloroethoxy)methan	50.000	53.388	-6.8	0	0.00	5.49
29		Benzoic Acid	100.000	117.919	-17.9	0	0.02	5.55
30	C	2,4-Dichlorophenol	50.000	55.574	-11.1	0	0.00	5.60
31		1,2,4-Trichlorobenzene	50.000	53.602	-7.2	0	0.00	5.66
32		Naphthalene	50.000	52.005	-4.0	0	0.00	5.74
33		4-Chloroaniline	50.000	34.612	30.8#	0	0.00	5.80
34		2,6-Dichlorophenol	50.000	54.708	-9.4	0	0.00	5.80
35	C	Hexachlorobutadiene	50.000	53.269	-6.5	0	0.00	5.85
36		Caprolactam	50.000	54.545	-9.1	0	0.01	6.18
37	C	4-Chloro-3-methylphenol	50.000	54.834	-9.7	0	0.00	6.35

Initial Calibration Verification

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICV569
Lab FileID: F010042.D

38		2-Methylnaphthalene	50.000	56.386	-12.8	0	0.00	6.49
39		1-Methylnaphthalene	50.000	53.383	-6.8	0	0.00	6.61
40		1,2,4,5-Tetrachlorobenzen	50.000	53.333	-6.7	0	0.00	6.70
41	I	Acenaphthene-d10	40.000	40.000	0.0	116	0.00	7.90
			Amount	Calc.	%Drift			
42	P	Hexachlorocyclopentadiene	50.000	52.932	-5.9	0	0.00	6.68
			Amount	Calc.	%Drift			
43	C	2,4,6-Trichlorophenol	50.000	53.134	-6.3	0	0.00	6.86
44		2,4,5-Trichlorophenol	50.000	52.920	-5.8	0	0.00	6.92
45	S	2-Fluorobiphenyl			NA			
46		1,1'-Biphenyl	50.000	52.043	-4.1	0	0.00	7.09
47		2-Chloronaphthalene	50.000	51.635	-3.3	0	0.00	7.11
48		2-Nitroaniline	50.000	53.890	-7.8	0	0.00	7.27
49		Acenaphthylene	50.000	51.559	-3.1	0	0.00	7.69
50		Dimethylphthalate	50.000	56.275	-12.5	0	0.00	7.56
51		2,6-Dinitrotoluene	50.000	51.334	-2.7	0	0.00	7.64
52	C	Acenaphthene	50.000	53.677	-7.4	0	0.00	7.95
53		3-Nitroaniline	50.000	34.702	30.6#	0	0.00	7.88
			Amount	Calc.	%Drift			
54	P	2,4-Dinitrophenol	100.000	104.825	-4.8	0	0.00	8.06
			Amount	Calc.	%Drift			
55		Dibenzofuran	50.000	54.310	-8.6	0	0.00	8.22
56		2,4-Dinitrotoluene	50.000	54.429	-8.9	0	0.00	8.26
57	P	4-Nitrophenol	100.000	103.429	-3.4	0	0.00	8.25
58		2,3,4,6-Tetrachlorophenol	50.000	50.710	-1.4	0	0.00	8.45
59		Fluorene	50.000	53.036	-6.1	0	0.00	8.77
60		4-Chlorophenyl-phenylethe	50.000	55.632	-11.3	0	0.00	8.82
61		Diethylphthalate	50.000	56.646	-13.3	0	0.00	8.69
62		4-Nitroaniline	50.000	51.182	-2.4	0	0.00	8.87
63	I	Phenanthrene-d10	40.000	40.000	0.0	120	0.00	10.37
64		4,6-Dinitro-2-methylpheno	100.000	117.343	-17.3	0	0.00	8.94
65	C	n-Nitrosodiphenylamine	50.000	54.036	-8.1	0	0.00	9.03
66		1,2-Diphenylhydrazine	50.000	54.162	-8.3	0	0.00	9.08
67	S	2,4,6-Tribromophenol			NA			
68		4-Bromophenyl-phenylether	50.000	54.020	-8.0	0	0.00	9.64
69		Hexachlorobenzene	50.000	53.246	-6.5	0	0.00	9.69
70		Atrazine	50.000	55.416	-10.8	0	0.00	10.04
			Amount	Calc.	%Drift			
71	C	Pentachlorophenol	100.000	110.675	-10.7	0	0.00	10.09
			Amount	Calc.	%Drift			
72		Phenanthrene	50.000	53.646	-7.3	0	0.00	10.42
73		Anthracene	50.000	51.604	-3.2	0	0.00	10.51
74		Carbazole	50.000	54.222	-8.4	0	0.00	10.86
75		Di-n-butylphthalate	50.000	56.458	-12.9	0	0.00	11.65
76	C	Fluoranthene	50.000	56.381	-12.8	0	0.00	12.59
77	I	Chrysene-d12	40.000	40.000	0.0	127	0.00	15.29
78		Benzidine			NA			
79		Pyrene	50.000	52.404	-4.8	0	0.00	12.99
80	S	Terphenyl-d14			NA			
81		Butylbenzylphthalate	50.000	55.630	-11.3	0	0.00	14.46
82		3,3'-Dichlorobenzidine	50.000	1.586	96.8#	0	0.00	15.33

Initial Calibration Verification

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF569-ICV569
Lab FileID: F010042.D

83		Benzo[a]anthracene	50.000	52.746	-5.5	0	0.00	15.28
84		Chrysene	50.000	54.353	-8.7	0	0.00	15.34
85		bis(2-Ethylhexyl)phthalat	50.000	55.892	-11.8	0	0.00	15.65
86	I	Perylene-d12	40.000	40.000	0.0	127	0.00	17.79
87	C	Di-n-octylphthalate	50.000	58.296	-16.6	0	0.00	16.84
88		Benzo[b]fluoranthene	50.000	55.017	-10.0	0	0.00	17.19
89		Benzo[k]fluoranthene	50.000	54.857	-9.7	0	0.00	17.23
90	C	Benzo[a]pyrene	50.000	51.923	-3.8	0	0.00	17.70
91		Indeno[1,2,3-cd]pyrene	50.000	54.046	-8.1	0	0.00	19.38
92		Dibenz[a,h]anthracene	50.000	52.622	-5.2	0	0.00	19.43
93		Benzo[g,h,i]perylene	50.000	51.610	-3.2	0	0.00	19.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F009976.D 8270C.M Fri Jun 24 11:17:53 2005

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF572-CC569
Lab FileID: F010121.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\062805\F010121.D Vial: 2
Acq On : 28 Jun 2005 10:22 am Operator: nareshj
Sample : cc569-50 Inst : MS-F
Misc : op13672,sf572,30.0,,,1,1,soil Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Jun 23 14:30:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	168	-0.03	4.60
2		1,4-Dioxane	0.425	0.405	4.7	166	-0.02	2.11
3		N-nitrosodimethylamine	0.585	0.595	-1.7	200#	-0.03	2.43
			Amount	Calc.	%Drift			
4		Pyridine	50.000	49.583	0.8	189	-0.03	2.47
			AvgRF	CCRF	%Dev			
5		Benzaldehyde	0.958	1.038	-8.4	170	-0.03	4.28
6		Aniline	2.111	1.938	8.2	158	-0.03	4.37
7	S	2-Fluorophenol	1.216	1.169	3.9	165	-0.03	3.64
8		bis(2-Chloroethyl)ether	1.119	1.068	4.6	161	-0.03	4.42
9	S	Phenol-d5	1.742	1.560	10.4	155	-0.03	4.37
10	C	Phenol	1.868	1.699	9.0	157	-0.03	4.38
11		2-Chlorophenol	1.405	1.340	4.6	162	-0.03	4.46
12		1,3-Dichlorobenzene	1.489	1.511	-1.5	171	-0.03	4.56
13	C	1,4-Dichlorobenzene	1.534	1.557	-1.5	170	-0.03	4.61
14		1,2-Dichlorobenzene	1.431	1.423	0.6	167	-0.03	4.73
15		Benzyl alcohol	0.871	0.848	2.6	164	-0.03	4.72
16		bis(2-chloroisopropyl)eth	1.721	1.603	6.9	154	-0.03	4.82
17		2-Methylphenol	1.271	1.206	5.1	162	-0.03	4.82
18		Acetophenone	1.863	1.949	-4.6	175	-0.03	4.92
19		Hexachloroethane	0.576	0.575	0.2	168	-0.03	4.99
20	P	N-Nitroso-di-n-propylamin	0.971	0.927	4.5	163	-0.03	4.92
21		3&4-Methylphenol	1.341	1.267	5.5	164	-0.03	4.94
22	I	Naphthalene-d8	1.000	1.000	0.0	168	-0.04	5.68
23	S	Nitrobenzene-d5	0.413	0.381	7.7	155	-0.03	5.04
24		Nitrobenzene	0.395	0.365	7.6	155	-0.03	5.06
25		Isophorone	0.652	0.624	4.3	159	-0.03	5.26
26	C	2-Nitrophenol	0.207	0.210	-1.4	169	-0.03	5.33
27		2,4-Dimethylphenol	0.382	0.374	2.1	166	-0.03	5.38
28		bis(2-Chloroethoxy)methan	0.387	0.373	3.6	158	-0.03	5.46
29		Benzoic Acid	0.279	0.275	1.4	172	-0.03	5.51
30	C	2,4-Dichlorophenol	0.314	0.321	-2.2	170	-0.04	5.56
31		1,2,4-Trichlorobenzene	0.334	0.345	-3.3	171	-0.04	5.62
32		Naphthalene	1.112	1.091	1.9	164	-0.04	5.70
33		4-Chloroaniline	0.471	0.451	4.2	159	-0.04	5.76
34		2,6-Dichlorophenol	0.297	0.298	-0.3	164	-0.04	5.77
35	C	Hexachlorobutadiene	0.175	0.187	-6.9	176	-0.04	5.82
36		Caprolactam	0.172	0.159	7.6	155	-0.03	6.15
37	C	4-Chloro-3-methylphenol	0.336	0.324	3.6	163	-0.04	6.31

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF572-CC569
Lab FileID: F010121.D

38		2-Methylnaphthalene	0.704	0.732	-4.0	173	-0.04	6.45
39		1-Methylnaphthalene	0.678	0.693	-2.2	167	-0.04	6.56
40		1,2,4,5-Tetrachlorobenzen	0.329	0.343	-4.3	172	-0.04	6.65
41	I	Acenaphthene-d10	1.000	1.000	0.0	169	-0.05	7.86
		----------	Amount	Calc.	%Drift		----------	
42	P	Hexachlorocyclopentadiene	50.000	61.080	-22.2#	221	-0.05	6.63
		----------	AvgRF	CCRF	%Dev		----------	
43	C	2,4,6-Trichlorophenol	0.395	0.408	-3.3	174	-0.05	6.81
44		2,4,5-Trichlorophenol	0.425	0.433	-1.9	172	-0.04	6.87
45	S	2-Fluorobiphenyl	1.392	1.443	-3.7	172	-0.04	6.92
46		1,1'-Biphenyl	1.523	1.687	-10.8	181	-0.04	7.05
47		2-Chloronaphthalene	1.192	1.210	-1.5	170	-0.04	7.07
48		2-Nitroaniline	0.410	0.379	7.6	157	-0.04	7.23
49		Acenaphthylene	2.016	2.018	-0.1	168	-0.05	7.64
50		Dimethylphthalate	1.371	1.400	-2.1	169	-0.04	7.52
51		2,6-Dinitrotoluene	0.335	0.328	2.1	163	-0.04	7.60
52	C	Acenaphthene	1.206	1.227	-1.7	169	-0.05	7.90
53		3-Nitroaniline	0.371	0.365	1.6	164	-0.05	7.84
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	50.000	59.508	-19.0	207	-0.05	8.02
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.710	1.729	-1.1	170	-0.05	8.18
56		2,4-Dinitrotoluene	0.430	0.438	-1.9	170	-0.05	8.21
57	P	4-Nitrophenol	0.188	0.194	-3.2	178	-0.05	8.20
58		2,3,4,6-Tetrachlorophenol	0.295	0.318	-7.8	179	-0.05	8.40
59		Fluorene	1.386	1.408	-1.6	169	-0.05	8.72
60		4-Chlorophenyl-phenylethe	0.643	0.663	-3.1	169	-0.05	8.76
61		Diethylphthalate	1.335	1.394	-4.4	172	-0.05	8.64
62		4-Nitroaniline	0.379	0.363	4.2	160	-0.05	8.82
63	I	Phenanthrene-d10	1.000	1.000	0.0	167	-0.05	10.32
64		4,6-Dinitro-2-methylpheno	0.149	0.155	-4.0	184	-0.05	8.88
65	C	n-Nitrosodiphenylamine	0.572	0.588	-2.8	169	-0.05	8.98
66		1,2-Diphenylhydrazine	0.766	0.756	1.3	161	-0.05	9.03
67	S	2,4,6-Tribromophenol	0.071	0.078	-9.9	181	-0.05	9.13
68		4-Bromophenyl-phenylether	0.193	0.198	-2.6	169	-0.06	9.59
69		Hexachlorobenzene	0.176	0.185	-5.1	173	-0.06	9.64
70		Atrazine	0.218	0.245	-12.4	176	-0.05	9.98
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	50.000	55.190	-10.4	227	-0.06	10.02
		----------	AvgRF	CCRF	%Dev		----------	
72		Phenanthrene	1.166	1.183	-1.5	169	-0.06	10.36
73		Anthracene	1.190	1.200	-0.8	168	-0.06	10.45
74		Carbazole	1.106	1.091	1.4	164	-0.06	10.80
75		Di-n-butylphthalate	1.275	1.338	-4.9	171	-0.05	11.60
76	C	Fluoranthene	1.176	1.196	-1.7	166	-0.06	12.53
77	I	Chrysene-d12	1.000	1.000	0.0	164	-0.06	15.23
78		Benzidine	1.000	0.986	1.4	159	-0.06	12.89
79		Pyrene	1.580	1.602	-1.4	167	-0.06	12.93
80	S	Terphenyl-d14	0.907	0.949	-4.6	172	-0.06	13.36
81		Butylbenzylphthalate	0.715	0.730	-2.1	165	-0.06	14.40
82		3,3'-Dichlorobenzidine	0.506	0.513	-1.4	163	-0.06	15.27

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF572-CC569
Lab FileID: F010121.D

83		Benzo[a]anthracene	1.401	1.405	-0.3	165	-0.06	15.22
84		Chrysene	1.317	1.320	-0.2	163	-0.06	15.28
85		bis(2-Ethylhexyl)phthalat	0.980	1.001	-2.1	162	-0.06	15.59
86	I	Perylene-d12	1.000	1.000	0.0	158	-0.06	17.73
87	C	Di-n-octylphthalate	1.904	1.913	-0.5	156	-0.06	16.78
88		Benzo[b]fluoranthene	1.431	1.429	0.1	160	-0.06	17.12
89		Benzo[k]fluoranthene	1.412	1.497	-6.0	166	-0.06	17.17
90	C	Benzo[a]pyrene	1.383	1.411	-2.0	158	-0.06	17.64
91		Indeno[1,2,3-cd]pyrene	1.157	1.170	-1.1	151	-0.07	19.31
92		Dibenz[a,h]anthracene	1.174	1.136	3.2	146	-0.07	19.36
93		Benzo[g,h,i]perylene	1.281	1.315	-2.7	152	-0.07	19.66

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F010038.D 8270C.M Wed Jun 29 10:28:46 2005

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-MB	EF052602.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32781-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	71-130%
98-08-8	aaa-Trifluorotoluene	103%	71-124%

Method Blank Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-MB	EF052624.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32781-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	99%	71-130%
98-08-8	aaa-Trifluorotoluene	104%	71-124%

Method Blank Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2542-MB	CD061639.D	1	07/12/05	MM	n/a	n/a	GCD2542

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32781-1, F32781-2, F32781-3, F32781-5, F32781-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	71-130%
98-08-8	aaa-Trifluorotoluene	95%	71-124%

Blank Spike Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-BS	EF052601.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32781-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.6	98	81-121
108-90-7	Chlorobenzene	20	20.4	102	76-120
95-50-1	1,2-Dichlorobenzene	20	19.1	96	63-127
541-73-1	1,3-Dichlorobenzene	20	19.4	97	70-124
106-46-7	1,4-Dichlorobenzene	20	18.1	91	68-121
100-41-4	Ethylbenzene	20	20.2	101	79-124
1634-04-4	Methyl Tert Butyl Ether	20	19.3	97	73-118
108-88-3	Toluene	20	20.0	100	79-122
1330-20-7	Xylenes (total)	60	59.5	99	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	107%	71-130%
98-08-8	aaa-Trifluorotoluene	108%	71-124%

Blank Spike Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3694-BS	EF052623.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32781-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.1	101	81-121
108-90-7	Chlorobenzene	20	20.7	104	76-120
95-50-1	1,2-Dichlorobenzene	20	19.6	98	63-127
541-73-1	1,3-Dichlorobenzene	20	19.7	99	70-124
106-46-7	1,4-Dichlorobenzene	20	18.1	91	68-121
100-41-4	Ethylbenzene	20	20.4	102	79-124
1634-04-4	Methyl Tert Butyl Ether	20	20.7	104	73-118
108-88-3	Toluene	20	20.4	102	79-122
1330-20-7	Xylenes (total)	60	60.0	100	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	71-130%
98-08-8	aaa-Trifluorotoluene	108%	71-124%

Blank Spike Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD2542-BS	CD061638.D	1	07/12/05	MM	n/a	n/a	GCD2542

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32781-1, F32781-2, F32781-3, F32781-5, F32781-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	20.1	101	81-121
108-90-7	Chlorobenzene	20	19.6	98	76-120
95-50-1	1,2-Dichlorobenzene	20	18.2	91	63-127
541-73-1	1,3-Dichlorobenzene	20	19.0	95	70-124
106-46-7	1,4-Dichlorobenzene	20	18.5	93	68-121
100-41-4	Ethylbenzene	20	19.7	99	79-124
1634-04-4	Methyl Tert Butyl Ether	20	19.0	95	73-118
108-88-3	Toluene	20	19.8	99	79-122
1330-20-7	Xylenes (total)	60	58.3	97	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	99%	71-130%
98-08-8	aaa-Trifluorotoluene	99%	71-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F32780-1MS	EF052608.D	1	07/01/05	TD	n/a	n/a	GEF3694
F32780-1MSD	EF052609.D	1	07/01/05	TD	n/a	n/a	GEF3694
F32780-1	EF052607.D	1	07/01/05	TD	n/a	n/a	GEF3694

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32781-4

CAS No.	Compound	F32780-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	27.5	110	27.8	111	1	74-126/11
108-90-7	Chlorobenzene	ND		25	28.4	114	28.9	116	2	72-124/8
95-50-1	1,2-Dichlorobenzene	ND		25	27.7	111	28.4	114	2	55-136/13
541-73-1	1,3-Dichlorobenzene	ND		25	27.6	110	28.2	113	2	65-132/16
106-46-7	1,4-Dichlorobenzene	ND		25	27.2	109	27.8	111	2	61-133/11
100-41-4	Ethylbenzene	ND		25	29.2	117	29.2	117	0	71-131/8
1634-04-4	Methyl Tert Butyl Ether	ND		25	26.2	105	25.6	102	2	63-130/11
108-88-3	Toluene	ND		25	28.4	114	28.4	114	0	69-132/7
1330-20-7	Xylenes (total)	ND		75	86.3	115	87.4	117	1	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F32780-1	Limits
460-00-4	4-Bromofluorobenzene	103%	103%	101%	71-130%
98-08-8	aaa-Trifluorotoluene	100%	99%	107%	71-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F32883-1MS	CD061659.D	1	07/13/05	MM	n/a	n/a	GCD2542
F32883-1MSD	CD061660.D	1	07/13/05	MM	n/a	n/a	GCD2542
F32883-1	CD061645.D	1	07/12/05	MM	n/a	n/a	GCD2542

The QC reported here applies to the following samples: **Method:** EPA 601/602

F32781-1, F32781-2, F32781-3, F32781-5, F32781-6

CAS No.	Compound	F32883-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	23.1	116	20.4	102	12*	74-126/11
108-90-7	Chlorobenzene	ND		20	22.1	111	20.4	102	8	72-124/8
95-50-1	1,2-Dichlorobenzene	ND		20	21.9	110	20.4	102	7	55-136/13
541-73-1	1,3-Dichlorobenzene	ND		20	22.5	113	20.4	102	10	65-132/16
106-46-7	1,4-Dichlorobenzene	ND		20	21.9	110	20.0	100	9	61-133/11
100-41-4	Ethylbenzene	ND		20	23.0	115	20.4	102	12*	71-131/8
1634-04-4	Methyl Tert Butyl Ether	ND		20	20.1	101	20.3	102	1	63-130/11
108-88-3	Toluene	ND		20	23.6	118	20.6	103	14*	69-132/7
1330-20-7	Xylenes (total)	ND		60	69.1	115	60.5	101	13*	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F32883-1	Limits
460-00-4	4-Bromofluorobenzene	101%	99%	91%	71-130%
98-08-8	aaa-Trifluorotoluene	99%	98%	96%	71-124%

Volatile Surrogate Recovery Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F32781-1	CD061641.D	91.0	95.0
F32781-2	CD061640.D	89.0	95.0
F32781-3	CD061642.D	92.0	97.0
F32781-4	EF052606.D	94.0	98.0
F32781-5	CD061643.D	93.0	97.0
F32781-6	CD061644.D	92.0	96.0
F32780-1MS	EF052608.D	103.0	100.0
F32780-1MSD	EF052609.D	103.0	99.0
F32883-1MS	CD061659.D	101.0	99.0
F32883-1MSD	CD061660.D	99.0	98.0
GCD2542-BS	CD061638.D	99.0	99.0
GCD2542-MB	CD061639.D	90.0	95.0
GEF3694-BS	EF052601.D	107.0	108.0
GEF3694-BS	EF052623.D	108.0	108.0
GEF3694-MB	EF052602.D	98.0	103.0
GEF3694-MB	EF052624.D	99.0	104.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	71-130%
S2 = aaa-Trifluorotoluene	71-124%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2542-CC2541	**Injection Date:**	07/12/05
Lab File ID:	CD061658.D	**Injection Time:**	19:54
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.99	5.54

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F32883-1MS	CD061659.D	07/13/05	07:32	10.97	5.52
F32883-1MSD	CD061660.D	07/13/05	07:56	10.98	5.53
GCD2542-ECC2541	CD061661.D	07/13/05	09:07	11.00	5.53

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3694-CC3669	**Injection Date:**	07/01/05
Lab File ID:	EF052600.D	**Injection Time:**	09:40
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [b] RT	S2 [a] RT
Check Std	10.85	5.71	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [b] RT	S2 [a] RT
GEF3694-BS	EF052601.D	07/01/05	10:04	10.85		5.83
GEF3694-MB	EF052602.D	07/01/05	10:29	10.88		5.83
ZZZZZZ	EF052603.D	07/01/05	11:11	10.86		5.83
ZZZZZZ	EF052604.D	07/01/05	11:35	10.85		5.83
ZZZZZZ	EF052605.D	07/01/05	12:00	10.85		5.83
F32781-4	EF052606.D	07/01/05	12:24	10.85		5.83
F32780-1	EF052607.D	07/01/05	12:48	10.85		5.83
F32780-1MS	EF052608.D	07/01/05	13:12	10.85		5.83
F32780-1MSD	EF052609.D	07/01/05	13:37	10.85		5.83
ZZZZZZ	EF052610.D	07/01/05	14:01	10.85	5.70	

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3694-CC3669	**Injection Date:**	07/01/05
Lab File ID:	EF052622.D	**Injection Time:**	20:38
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.67	10.85	5.71	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
GEF3694-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3695-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3694-MB	EF052624.D	07/01/05	21:26		10.85		5.83
GEF3695-MB	EF052624.D	07/01/05	21:26	10.67	10.85	5.71	5.83
ZZZZZZ	EF052625.D	07/01/05	21:50		10.85		5.83
ZZZZZZ	EF052626.D	07/01/05	22:14		10.85		5.83
ZZZZZZ	EF052627.D	07/01/05	22:39		10.85		5.83
ZZZZZZ	EF052628.D	07/01/05	23:03		10.85		5.83
ZZZZZZ	EF052629.D	07/01/05	23:27		10.85		5.83
ZZZZZZ	EF052630.D	07/01/05	23:51		10.85		5.83
ZZZZZZ	EF052631.D	07/02/05	00:15		10.85		5.83
ZZZZZZ	EF052632.D	07/02/05	00:40		10.86		5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GCD2542-CC2541	**Injection Date:**	07/12/05
Lab File ID:	CD061637.D	**Injection Time:**	09:00
Instrument ID:	GCCD	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.98	5.53

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GCD2542-BS	CD061638.D	07/12/05	09:24	10.99	5.54
GCD2542-MB	CD061639.D	07/12/05	09:48	11.00	5.54
F32781-2	CD061640.D	07/12/05	12:32	10.98	5.53
F32781-1	CD061641.D	07/12/05	12:57	10.99	5.54
F32781-3	CD061642.D	07/12/05	13:22	10.99	5.54
F32781-5	CD061643.D	07/12/05	13:46	10.99	5.55
F32781-6	CD061644.D	07/12/05	14:10	10.99	5.54
F32883-1	CD061645.D	07/12/05	14:34	10.99	5.54
ZZZZZZ	CD061646.D	07/12/05	14:58	10.98	5.54

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3695-CC3669	**Injection Date:**	07/01/05
Lab File ID:	EF052622.D	**Injection Time:**	20:38
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.67	10.85	5.71	5.83

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
GEF3694-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3695-BS	EF052623.D	07/01/05	21:02		10.85		5.83
GEF3694-MB	EF052624.D	07/01/05	21:26		10.85		5.83
GEF3695-MB	EF052624.D	07/01/05	21:26	10.67	10.85	5.71	5.83
ZZZZZZ	EF052625.D	07/01/05	21:50		10.85		5.83
ZZZZZZ	EF052626.D	07/01/05	22:14		10.85		5.83
ZZZZZZ	EF052627.D	07/01/05	22:39		10.85		5.83
ZZZZZZ	EF052628.D	07/01/05	23:03		10.85		5.83
ZZZZZZ	EF052629.D	07/01/05	23:27		10.85		5.83
ZZZZZZ	EF052630.D	07/01/05	23:51		10.85		5.83
ZZZZZZ	EF052631.D	07/02/05	00:15		10.85		5.83
ZZZZZZ	EF052632.D	07/02/05	00:40		10.86		5.83

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2541-ICC2541
Lab FileID: CD061632.D

Response Factor Report VOA2

Method : C:\HPCHEM\1\METHODS\GCD0711.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Mon Jul 11 16:46:10 2005
Response via : Initial Calibration

Calibration Files
1 =CD061630.D 5 =CD061631.D 20 =CD061632.D 40 =CD061633.D
70 =CD061634.D 100 =CD061635.D

		Compound	1	5	20	40	70	100	Avg		%RSD
1)		Methyl tert Butyl E	1.024	1.136	1.283	1.316	1.289	1.237	1.214	E3	9.29
2)		Di-Isopropyl ether	1.648	1.752	1.962	1.994	1.965	1.925	1.874	E3	7.51
3)		BENZENE	4.296	4.053	4.614	4.721	4.695	4.609	4.498	E3	5.91
4)	S	a,a,a-TFT(S)	1.577	1.687	1.770	1.815	1.800	1.789	1.740	E3	5.25
5)		TOLUENE	4.490	4.048	4.605	4.739	4.706	4.656	4.541	E3	5.65
6)		CHLOROBENZENE	4.635	4.475	4.963	5.113	5.133	5.014	4.889	E3	5.54
7)		ETHYLBENZENE	3.817	3.618	4.129	4.263	4.257	4.179	4.044	E3	6.56
8)		m,p-XYLENE	4.246	3.983	4.439	4.660	4.627	4.505	4.410	E3	5.81
9)		o-XYLENE	3.910	3.856	4.217	4.307	4.309	4.229	4.138	E3	4.88
10)	S	BFB(S)	4.397	4.679	4.979	5.264	5.310	5.313	4.990	E3	7.66
11)		1,3-DICHLOROBENZENE	3.949	3.722	4.177	4.374	4.413	4.377	4.169	E3	6.73
12)		1,4-DICHLOROBENZENE	4.020	3.931	4.307	4.570	4.618	4.591	4.340	E3	7.02
13)		1,2-DICHLOROBENZENE	3.119	3.074	3.419	3.574	3.638	3.582	3.401	E3	7.27

Signal #2

1)		Methyl tert Butyl E	9.151	9.394	9.773	9.940	9.689	9.396	9.557	E2	3.06
2)		Di-Isopropyl ether	1.313	1.339	1.408	1.415	1.397	1.374	1.374	E3	2.97
3)		BENZENE	3.516	3.182	3.447	3.483	3.478	3.480	3.431	E3	3.60
4)	S	a,a,a-TFT(S)	1.191	1.228	1.256	1.299	1.293	1.289	1.259	E3	3.41
5)		TOLUENE	3.663	3.206	3.556	3.617	3.607	3.595	3.540	E3	4.73
6)		CHLOROBENZENE	3.902	3.617	3.917	3.992	4.016	4.021	3.911	E3	3.90
7)		ETHYLBENZENE	3.425	2.921	3.271	3.354	3.368	3.344	3.280	E3	5.58
8)		m,p-XYLENE	3.681	3.116	3.403	3.576	3.630	3.570	3.496	E3	5.96
9)		o-XYLENE	3.402	3.029	3.265	3.353	3.385	3.332	3.294	E3	4.20
10)	S	BFB(S)	3.758	3.848	4.060	4.381	4.344	4.374	4.128	E3	6.77
11)		1,3-DICHLOROBENZENE	3.356	3.050	3.392	3.544	3.631	3.555	3.421	E3	6.13
12)		1,4-DICHLOROBENZENE	3.534	3.242	3.468	3.665	3.733	3.801	3.574	E3	5.71
13)		1,2-DICHLOROBENZENE	2.732	2.530	2.796	2.957	2.983	2.968	2.827	E3	6.31

(#) = Out of Range

GCD0711.M Wed Jul 27 10:30:17 2005

Initial Calibration Verification

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2541-ICV2541
Lab FileID: CD061636.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\071105\CD061636.D\FID1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\071105\CD061636.D\FID2B.CH
Acq On : 11 Jul 2005 5:21 pm Operator: MikeM
Sample : icv2541-20 Inst : VOA2
Misc : gc5119,gcd2541,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0711.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Mon Jul 11 16:46:10 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	16.626	16.9#	79	0.00	2.93- 3.33
2		Di-Isopropyl ether	20.000	16.592	17.0#	79	0.00	3.46- 3.76
3		BENZENE	20.000	17.240	13.8	84	0.00	4.77- 5.07
4	S	a,a,a-TFT(S)	20.000	17.472	12.6	86	0.00	5.82- 6.12
5		TOLUENE	20.000	17.263	13.7	85	0.00	7.24- 7.54
6		CHLOROBENZENE	20.000	17.613	11.9	87	0.03	9.06- 9.36
7		ETHYLBENZENE	20.000	17.849	10.8	87	0.03	9.40- 9.70
8		m,p-XYLENE	40.000	37.969	5.1	94	0.03	9.71-10.01
9		o-XYLENE	20.000	19.153	4.2	94	0.03	10.25-10.55
10	S	BFB(S)	20.000	19.485	2.6	98	0.03	10.81-11.11
11		1,3-DICHLOROBENZENE	20.000	19.470	2.7	97	0.02	12.73-12.93
12		1,4-DICHLOROBENZENE	20.000	19.655	1.7	99	0.02	12.85-13.05
13		1,2-DICHLOROBENZENE	20.000	19.610	2.0	98	0.02	13.30-13.60

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	18.470	7.7	90	0.00	2.80- 3.20
2		Di-Isopropyl ether	20.000	18.774	6.1	92	0.00	3.38- 3.68
3		BENZENE	20.000	19.585	2.1	97	0.00	4.63- 4.93
4	S	a,a,a-TFT(S)	20.000	19.671	1.6	99	0.00	5.38- 5.68
5		TOLUENE	20.000	19.384	3.1	97	0.00	7.21- 7.51
6		CHLOROBENZENE	20.000	19.709	1.5	98	0.02	9.06- 9.36
7		ETHYLBENZENE	20.000	19.609	2.0	98	0.02	9.51- 9.81
8		m,p-XYLENE	40.000	39.139	2.2	101	0.02	9.81-10.11
9		o-XYLENE	20.000	19.715	1.4	99	0.02	10.34-10.64
10	S	BFB(S)	20.000	20.189	-0.9	103	0.02	10.83-11.13
11		1,3-DICHLOROBENZENE	20.000	20.079	-0.4	101	0.01	12.97-13.17
12		1,4-DICHLOROBENZENE	20.000	19.737	1.3	102	0.01	13.05-13.25
13		1,2-DICHLOROBENZENE	20.000	19.628	1.9	99	0.01	13.50-13.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD061632.D GCD0711.M Wed Jul 27 10:30:54 2005

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2542-CC2541
Lab FileID: CD061637.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\071205\CD061637.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\071205\CD061637.D\FID2B.CH
Acq On : 12 Jul 2005 9:00 am Operator: MikeM
Sample : cc2541-40 Inst : VOA2
Misc : gc5126,gcd2542,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0711.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Mon Jul 11 16:46:10 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	35.404	11.5	82	0.00	2.93- 3.33
2		Di-Isopropyl ether	40.000	36.041	9.9	85	0.00	3.46- 3.76
3		BENZENE	40.000	37.012	7.5	88	0.00	4.77- 5.07
4	S	a,a,a-TFT(S)	20.000	18.934	5.3	91	0.00	5.82- 6.12
5		TOLUENE	40.000	38.170	4.6	91	0.00	7.24- 7.54
6		CHLOROBENZENE	40.000	38.949	2.6	93	0.01	9.06- 9.36
7		ETHYLBENZENE	40.000	39.521	1.2	94	0.01	9.40- 9.70
8		m,p-XYLENE	80.000	78.733	1.6	93	0.01	9.71-10.01
9		o-XYLENE	40.000	39.608	1.0	95	0.01	10.25-10.55
10	S	BFB(S)	20.000	20.421	-2.1	97	0.01	10.81-11.11
11		1,3-DICHLOROBENZENE	40.000	39.696	0.8	95	0.02	12.73-12.93
12		1,4-DICHLOROBENZENE	40.000	39.662	0.8	94	0.02	12.85-13.05
13		1,2-DICHLOROBENZENE	40.000	39.988	0.0	95	0.02	13.30-13.60

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	38.687	3.3	93	0.00	2.80- 3.20
2		Di-Isopropyl ether	40.000	39.675	0.8	96	0.00	3.38- 3.68
3		BENZENE	40.000	39.267	1.8	97	0.00	4.63- 4.93
4	S	a,a,a-TFT(S)	20.000	19.834	0.8	96	0.00	5.38- 5.68
5		TOLUENE	40.000	39.332	1.7	96	0.00	7.21- 7.51
6		CHLOROBENZENE	40.000	39.709	0.7	97	0.00	9.06- 9.36
7		ETHYLBENZENE	40.000	39.626	0.9	97	0.00	9.51- 9.81
8		m,p-XYLENE	80.000	79.073	1.2	97	0.00	9.81-10.11
9		o-XYLENE	40.000	39.046	2.4	96	0.00	10.34-10.64
10	S	BFB(S)	20.000	20.200	-1.0	95	0.00	10.83-11.13
11		1,3-DICHLOROBENZENE	40.000	40.149	-0.4	97	0.01	12.97-13.17
12		1,4-DICHLOROBENZENE	40.000	39.247	1.9	96	0.01	13.05-13.25
13		1,2-DICHLOROBENZENE	40.000	39.267	1.8	94	0.01	13.50-13.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD061633.D GCD0711.M Wed Jul 13 14:57:12 2005

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2542-CC2541
Lab FileID: CD061648.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\071205\CD061648.D\FID1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\071205\CD061648.D\FID2B.CH
Acq On : 12 Jul 2005 3:49 pm Operator: MikeM
Sample : cc2541-20 Inst : VOA2
Misc : gc5141,gcd2542,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0711.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Mon Jul 11 16:46:10 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	21.338	-6.7	101	0.01	2.93- 3.33
2		Di-Isopropyl ether	20.000	20.942	-4.7	100	0.02	3.46- 3.76
3		BENZENE	20.000	26.817	-34.1#	131	0.02	4.77- 5.07
4	S	a,a,a-TFT(S)	20.000	20.508	-2.5	101	0.02	5.82- 6.12
5		TOLUENE	20.000	48.489	-142.4#	239	0.02	7.24- 7.54
6		CHLOROBENZENE	20.000	19.984	0.1	98	0.02	9.06- 9.36
7		ETHYLBENZENE	20.000	26.391	-32.0#	129	0.02	9.40- 9.70
8		m,p-XYLENE	40.000	73.137	-82.8#	182	0.02	9.71-10.01
9		o-XYLENE	20.000	35.810	-79.1#	176	0.02	10.25-10.55
10	S	BFB(S)	20.000	20.564	-2.8	103	0.02	10.81-11.11
11		1,3-DICHLOROBENZENE	20.000	20.275	-1.4	101	0.02	12.73-12.93
12		1,4-DICHLOROBENZENE	20.000	20.043	-0.2	101	0.02	12.85-13.05
13		1,2-DICHLOROBENZENE	20.000	22.145	-10.7	110	0.02	13.30-13.60

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	20.854	-4.3	102	0.00	2.80- 3.20
2		Di-Isopropyl ether	20.000	20.179	-0.9	98	0.01	3.38- 3.68
3		BENZENE	20.000	26.209	-31.0#	130	0.01	4.63- 4.93
4	S	a,a,a-TFT(S)	20.000	20.077	-0.4	101	0.01	5.38- 5.68
5		TOLUENE	20.000	47.489	-137.4#	236	0.02	7.21- 7.51
6		CHLOROBENZENE	20.000	19.818	0.9	99	0.02	9.06- 9.36
7		ETHYLBENZENE	20.000	26.095	-30.5#	131	0.02	9.51- 9.81
8		m,p-XYLENE	40.000	70.928	-77.3#	182	0.01	9.81-10.11
9		o-XYLENE	20.000	35.127	-75.6#	177	0.02	10.34-10.64
10	S	BFB(S)	20.000	20.322	-1.6	103	0.01	10.83-11.13
11		1,3-DICHLOROBENZENE	20.000	19.917	0.4	100	0.00	12.97-13.17
12		1,4-DICHLOROBENZENE	20.000	19.459	2.7	100	0.00	13.05-13.25
13		1,2-DICHLOROBENZENE	20.000	20.221	-1.1	102	0.00	13.50-13.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD061632.D GCD0711.M Wed Jul 13 14:55:15 2005

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2542-CC2541
Lab FileID: CD061658.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\071205\CD061658.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\071205\CD061658.D\FID2B.CH
Acq On : 12 Jul 2005 7:54 pm Operator: MikeM
Sample : cc2541-20 Inst : VOA2
Misc : gc5141,gcd2542,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0711.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Mon Jul 11 16:46:10 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.814	5.9	89	0.00	2.93- 3.33
2		Di-Isopropyl ether	20.000	18.076	9.6	86	0.00	3.46- 3.76
3		BENZENE	20.000	17.181	14.1	84	0.01	4.77- 5.07
4	S	a,a,a-TFT(S)	20.000	17.972	10.1	88	0.01	5.82- 6.12
5		TOLUENE	20.000	17.106	14.5	84	0.00	7.24- 7.54
6		CHLOROBENZENE	20.000	17.206	14.0	85	0.02	9.06- 9.36
7		ETHYLBENZENE	20.000	17.357	13.2	85	0.02	9.40- 9.70
8		m,p-XYLENE	40.000	35.824	10.4	89	0.02	9.71-10.01
9		o-XYLENE	20.000	18.377	8.1	90	0.02	10.25-10.55
10	S	BFB(S)	20.000	19.013	4.9	95	0.02	10.81-11.11
11		1,3-DICHLOROBENZENE	20.000	18.128	9.4	90	0.02	12.73-12.93
12		1,4-DICHLOROBENZENE	20.000	18.034	9.8	91	0.02	12.85-13.05
13		1,2-DICHLOROBENZENE	20.000	18.520	7.4	92	0.03	13.30-13.60

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	20.655	-3.3	101	0.00	2.80- 3.20
2		Di-Isopropyl ether	20.000	19.956	0.2	97	0.00	3.38- 3.68
3		BENZENE	20.000	18.948	5.3	94	0.00	4.63- 4.93
4	S	a,a,a-TFT(S)	20.000	19.509	2.5	98	0.00	5.38- 5.68
5		TOLUENE	20.000	18.867	5.7	94	0.00	7.21- 7.51
6		CHLOROBENZENE	20.000	18.618	6.9	93	0.01	9.06- 9.36
7		ETHYLBENZENE	20.000	18.580	7.1	93	0.01	9.51- 9.81
8		m,p-XYLENE	40.000	36.387	9.0	93	0.02	9.81-10.11
9		o-XYLENE	20.000	18.778	6.1	95	0.01	10.34-10.64
10	S	BFB(S)	20.000	19.423	2.9	99	0.02	10.83-11.13
11		1,3-DICHLOROBENZENE	20.000	18.625	6.9	94	0.02	12.97-13.17
12		1,4-DICHLOROBENZENE	20.000	18.293	8.5	94	0.02	13.05-13.25
13		1,2-DICHLOROBENZENE	20.000	18.764	6.2	95	0.02	13.50-13.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD061632.D GCD0711.M Wed Jul 13 14:55:15 2005

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GCD2542-ECC2541
Lab FileID: CD061661.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\071205\CD061661.D\FID1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\071205\CD061661.D\FID2B.CH
Acq On : 13 Jul 2005 9:07 am Operator: MikeM
Sample : ecc2541-20 Inst : VOA2
Misc : gc5141,gcd2542,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\GCD0711.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Mon Jul 11 16:46:10 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	20.110	-0.5	95	0.00	2.93- 3.33
2		Di-Isopropyl ether	20.000	20.468	-2.3	98	0.00	3.46- 3.76
3		BENZENE	20.000	20.034	-0.2	98	0.01	4.77- 5.07
4	S	a,a,a-TFT(S)	20.000	20.383	-1.9	100	0.01	5.82- 6.12
5		TOLUENE	20.000	20.038	-0.2	99	0.02	7.24- 7.54
6		CHLOROBENZENE	20.000	19.975	0.1	98	0.03	9.06- 9.36
7		ETHYLBENZENE	20.000	20.147	-0.7	99	0.03	9.40- 9.70
8		m,p-XYLENE	40.000	39.944	0.1	99	0.03	9.71-10.01
9		o-XYLENE	20.000	20.100	-0.5	99	0.03	10.25-10.55
10	S	BFB(S)	20.000	20.077	-0.4	101	0.03	10.81-11.11
11		1,3-DICHLOROBENZENE	20.000	20.123	-0.6	100	0.03	12.73-12.93
12		1,4-DICHLOROBENZENE	20.000	20.085	-0.4	101	0.03	12.85-13.05
13		1,2-DICHLOROBENZENE	20.000	20.217	-1.1	101	0.03	13.30-13.60

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	19.565	2.2	96	0.00	2.80- 3.20
2		Di-Isopropyl ether	20.000	20.074	-0.4	98	0.00	3.38- 3.68
3		BENZENE	20.000	19.698	1.5	98	0.00	4.63- 4.93
4	S	a,a,a-TFT(S)	20.000	19.786	1.1	99	0.00	5.38- 5.68
5		TOLUENE	20.000	19.736	1.3	98	0.00	7.21- 7.51
6		CHLOROBENZENE	20.000	19.784	1.1	99	0.02	9.06- 9.36
7		ETHYLBENZENE	20.000	19.713	1.4	99	0.02	9.51- 9.81
8		m,p-XYLENE	40.000	38.812	3.0	100	0.02	9.81-10.11
9		o-XYLENE	20.000	19.740	1.3	100	0.02	10.34-10.64
10	S	BFB(S)	20.000	19.911	0.4	101	0.02	10.83-11.13
11		1,3-DICHLOROBENZENE	20.000	19.685	1.6	99	0.02	12.97-13.17
12		1,4-DICHLOROBENZENE	20.000	19.454	2.7	100	0.02	13.05-13.25
13		1,2-DICHLOROBENZENE	20.000	19.793	1.0	100	0.02	13.50-13.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD061632.D GCD0711.M Wed Jul 13 14:55:16 2005

Initial Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3669-ICC3669
Lab FileID: EF052010.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL0330.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Jun 08 14:07:36 2005
Response via : Initial Calibration

Calibration Files
1 =EF052007.D 5 =EF052008.D 20 =EF052009.D 40 =EF052010.D
70 =EF052011.D 100 =EF052012.D

	Compound	1	5	20	40	70	100	Avg		%RSD
1)	Methyl tert Butyl E	1.303	1.475	1.467	1.480	1.481	1.479	1.448	E3	4.89
2)	Di-Isopropyl ether	2.410	2.711	2.677	2.668	2.656	2.657	2.630	E3	4.17
3)	Benzene	5.138	5.656	5.546	5.574	5.647	5.614	5.529	E3	3.55
4) S	a,a,a-TFT(S)	1.731	1.756	1.778	1.736	1.839	1.843	1.780	E3	2.79
5)	Toluene	4.681	4.893	4.802	4.905	4.947	4.931	4.860	E3	2.08
6)	Chlorobenzene	4.461	4.585	4.564	4.629	4.681	4.690	4.602	E3	1.85
7)	Ethylbenzene	3.841	4.002	3.965	4.117	4.174	4.132	4.039	E3	3.11
8)	m,p-Xylene	4.420	4.405	4.367	4.500	4.556	4.572	4.470	E3	1.90
9)	o-Xylene	3.701	3.829	3.852	3.962	4.014	4.018	3.896	E3	3.20
10) S	BFB(S)	3.307	3.412	3.638	3.670	3.957	3.961	3.658	E3	7.40
11)	1,3-Dichlorobenzene	2.907	2.617	2.838	3.091	3.302	3.287	3.007	E3	8.97
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9991									
	Response Ratio = 0.00000 + 3261.26140 *A									
12)	1,4-Dichlorobenzene	3.511	2.896	3.136	3.454	3.685	3.707	3.398	E3	9.44
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9989									
	Response Ratio = 0.00000 + 3661.76321 *A									
13)	1,2-Dichlorobenzene	1.648	1.298	1.477	1.723	1.901	1.886	1.656	E3	14.24
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9979									
	Response Ratio = 0.00000 + 1864.69285 *A									

Signal #2

1)	Methyl tert Butyl E	1.339	1.535	1.559	1.577	1.574	1.569	1.525	E3	6.06
2)	Di-Isopropyl ether	2.293	2.683	2.735	2.733	2.703	2.678	2.638	E3	6.46
3)	Benzene	5.246	5.881	5.883	5.890	5.953	5.901	5.792	E3	4.64
4) S	a,a,a-TFT(S)	1.732	1.782	1.838	1.787	1.895	1.893	1.821	E3	3.60
5)	Toluene	4.825	5.174	5.136	5.149	5.221	5.174	5.113	E3	2.82
6)	Chlorobenzene	4.666	4.913	4.952	5.011	5.032	5.015	4.931	E3	2.79
7)	Ethylbenzene	4.180	4.455	4.398	4.495	4.579	4.525	4.439	E3	3.18
8)	m,p-Xylene	4.730	4.875	4.737	4.943	4.988	4.920	4.865	E3	2.23
9)	o-Xylene	3.732	3.982	4.069	4.139	4.209	4.153	4.048	E3	4.28
10) S	BFB(S)	3.747	3.878	4.095	4.164	4.458	4.457	4.133	E3	7.08
11)	1,3-Dichlorobenzene	2.968	2.704	2.964	3.218	3.425	3.400	3.113	E3	9.10
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9992									
	Response Ratio = 0.00000 + 3378.80375 *A									
12)	1,4-Dichlorobenzene	3.441	2.925	3.160	3.477	3.665	3.696	3.394	E3	8.83
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9992									
	Response Ratio = 0.00000 + 3652.69225 *A									
13)	1,2-Dichlorobenzene	1.708	1.375	1.585	1.868	2.048	2.051	1.772	E3	15.15
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9979									
	Response Ratio = 0.00000 + 2021.11827 *A									

Initial Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3669-ICC3669
Lab FileID: EF052010.D

(#) = Out of Range

DUAL0330.M Thu Jun 09 08:54:50 2005

Initial Calibration Verification

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3669-ICV3669
Lab FileID: EF052013.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\060805\EF052013.D\FID1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\060805\EF052013.D\FID2B.CH
Acq On : 8 Jun 2005 2:07 pm Operator: KelliK
Sample : icv3669-20 Inst : VOA1
Misc : gc5022,gef3669,,,,,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0330.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Wed Jun 08 14:07:36 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methyl tert Butyl Ethe	20.000	21.126	-5.6	104	0.00	2.84- 3.04
2	Di-Isopropyl ether	20.000	19.170	4.1	94	0.00	3.30- 3.50
3	Benzene	20.000	19.771	1.1	99	0.00	4.57- 4.77
4 S	a,a,a-TFT(S)	20.000	20.143	-0.7	101	0.00	5.60- 5.80
5	Toluene	20.000	20.170	-0.9	102	0.00	7.00- 7.20
6	Chlorobenzene	20.000	20.878	-4.4	105	0.02	8.81- 9.01
7	Ethylbenzene	20.000	20.548	-2.7	105	0.02	9.15- 9.35
8	m,p-Xylene	40.000	41.048	-2.6	105	0.02	9.46- 9.66
9	o-Xylene	20.000	20.832	-4.2	105	0.02	9.99-10.19
10 S	BFB(S)	20.000	20.851	-4.3	105	0.02	10.50-10.80
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	21.711	-8.6	125	0.02	12.43-12.63
12	1,4-Dichlorobenzene	20.000	19.799	1.0	116	0.02	12.54-12.74
13	1,2-Dichlorobenzene	20.000	21.633	-8.2	137	0.02	13.05-13.25

***** Signal #2 *****

	----------	Amount	Calc.	%Drift	----------		
1	Methyl tert Butyl Ethe	20.000	20.428	-2.1	100	0.00	2.79- 2.99
2	Di-Isopropyl ether	20.000	19.020	4.9	92	0.00	3.21- 3.41
3	Benzene	20.000	19.689	1.6	97	0.00	4.59- 4.79
4 S	a,a,a-TFT(S)	20.000	19.701	1.5	98	0.00	5.71- 5.91
5	Toluene	20.000	20.071	-0.4	100	0.00	6.96- 7.16
6	Chlorobenzene	20.000	21.020	-5.1	105	0.02	8.93- 9.13
7	Ethylbenzene	20.000	20.578	-2.9	104	0.02	9.12- 9.32
8	m,p-Xylene	40.000	41.007	-2.5	105	0.02	9.31- 9.51
9	o-Xylene	20.000	21.168	-5.8	105	0.02	9.90-10.11
10 S	BFB(S)	20.000	20.721	-3.6	105	0.02	10.69-10.99
	----------	Amount	Calc.	%Drift	----------		
11	1,3-Dichlorobenzene	20.000	21.481	-7.4	122	0.02	12.50-12.70
12	1,4-Dichlorobenzene	20.000	20.054	-0.3	116	0.02	12.66-12.86
13	1,2-Dichlorobenzene	20.000	21.477	-7.4	137	0.01	13.26-13.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0330.M Thu Jun 09 08:54:11 2005

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3694-CC3669
Lab FileID: EF052600.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052600.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052600.D\FID2B.CH
Acq On : 1 Jul 2005 9:40 am Operator: Trangd
Sample : CC3669-40 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	38.834	2.9	95	0.00	2.85- 3.05
2		Di-Isopropyl ether	40.000	37.966	5.1	94	0.00	3.31- 3.51
3		Benzene	40.000	39.107	2.2	97	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	18.747	6.3	96	0.00	5.61- 5.81
5		Toluene	40.000	39.437	1.4	98	0.00	7.02- 7.22
6		Chlorobenzene	40.000	40.060	-0.2	100	0.00	8.83- 9.03
7		Ethylbenzene	40.000	40.271	-0.7	99	0.00	9.17- 9.37
8		m,p-Xylene	80.000	80.235	-0.3	100	0.00	9.48- 9.68
9		o-Xylene	40.000	40.498	-1.2	100	0.00	10.01-10.21
10	S	BFB(S)	20.000	19.262	3.7	96	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift	----------		
11		1,3-Dichlorobenzene	40.000	38.811	3.0	102	0.00	12.45-12.65
12		1,4-Dichlorobenzene	40.000	38.617	3.5	102	0.00	12.56-12.76
13		1,2-Dichlorobenzene	40.000	39.445	1.4	107	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift	----------		
1		Methyl tert Butyl Ethe	40.000	42.532	-6.3	103	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	42.158	-5.4	102	0.00	3.22- 3.42
3		Benzene	40.000	42.692	-6.7	105	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	20.481	-2.4	104	0.00	5.73- 5.93
5		Toluene	40.000	42.826	-7.1	106	0.00	6.97- 7.17
6		Chlorobenzene	40.000	43.660	-9.1	107	0.00	8.94- 9.14
7		Ethylbenzene	40.000	43.839	-9.6	108	0.00	9.14- 9.34
8		m,p-Xylene	80.000	87.316	-9.1	107	0.00	9.33- 9.53
9		o-Xylene	40.000	44.323	-10.8	108	0.00	9.92-10.12
10	S	BFB(S)	20.000	20.899	-4.5	104	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift	----------		
11		1,3-Dichlorobenzene	40.000	43.021	-7.6	113	0.00	12.52-12.72
12		1,4-Dichlorobenzene	40.000	42.071	-5.2	110	0.00	12.68-12.88
13		1,2-Dichlorobenzene	40.000	42.605	-6.5	115	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052010.D DUAL0608.M Fri Jul 08 13:24:31 2005

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3694-CC3669
Lab FileID: EF052611.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052611.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052611.D\FID2B.CH
Acq On : 1 Jul 2005 2:26 pm Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	21.372	-6.9	105	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	20.499	-2.5	101	0.00	3.31- 3.51
3		Benzene	20.000	20.136	-0.7	100	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	20.036	-0.2	100	0.00	5.61- 5.81
5		Toluene	20.000	19.523	2.4	99	0.00	7.02- 7.22
6		Chlorobenzene	20.000	19.614	1.9	99	0.02	8.83- 9.03
7		Ethylbenzene	20.000	18.952	5.2	97	0.02	9.17- 9.37
8		m,p-Xylene	40.000	37.760	5.6	97	0.02	9.48- 9.68
9		o-Xylene	20.000	19.714	1.4	100	0.02	10.01-10.21
10	S	BFB(S)	20.000	21.153	-5.8	106	0.02	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	19.060	4.7	110	0.01	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.863	5.7	110	0.01	12.56-12.76
13		1,2-Dichlorobenzene	20.000	20.258	-1.3	128	0.01	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	22.883	-14.4	112	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	22.283	-11.4	107	0.00	3.22- 3.42
3		Benzene	20.000	21.951	-9.8	108	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	21.615	-8.1	107	0.00	5.73- 5.93
5		Toluene	20.000	21.221	-6.1	106	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.397	-7.0	107	0.02	8.94- 9.14
7		Ethylbenzene	20.000	20.631	-3.2	104	0.02	9.14- 9.34
8		m,p-Xylene	40.000	40.698	-1.7	104	0.02	9.33- 9.53
9		o-Xylene	20.000	21.570	-7.9	107	0.02	9.92-10.12
10	S	BFB(S)	20.000	22.718	-13.6	115	0.02	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.630	-3.1	118	0.01	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.358	-1.8	118	0.01	12.68-12.88
13		1,2-Dichlorobenzene	20.000	21.675	-8.4	138	0.01	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:26:48 2005

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3694-CC3669
Lab FileID: EF052622.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID2B.CH
Acq On : 1 Jul 2005 8:38 pm Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.949	5.3	93	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	18.978	5.1	93	0.00	3.31- 3.51
3		Benzene	20.000	19.392	3.0	97	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	19.890	0.5	100	0.00	5.61- 5.81
5		Toluene	20.000	19.921	0.4	101	0.00	7.02- 7.22
6		Chlorobenzene	20.000	20.257	-1.3	102	0.00	8.83- 9.03
7		Ethylbenzene	20.000	20.365	-1.8	104	0.00	9.17- 9.37
8		m,p-Xylene	40.000	40.556	-1.4	104	0.00	9.48- 9.68
9		o-Xylene	20.000	20.490	-2.4	104	0.00	10.01-10.21
10	S	BFB(S)	20.000	20.149	-0.7	101	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	19.493	2.5	112	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.881	5.6	110	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	19.590	2.1	124	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	20.487	-2.4	100	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	20.787	-3.9	100	0.00	3.22- 3.42
3		Benzene	20.000	21.098	-5.5	104	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	21.500	-7.5	107	0.00	5.73- 5.93
5		Toluene	20.000	21.553	-7.8	107	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.946	-9.7	109	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.912	-9.6	111	0.00	9.14- 9.34
8		m,p-Xylene	40.000	43.279	-8.2	111	0.00	9.33- 9.53
9		o-Xylene	20.000	22.437	-12.2	112	0.00	9.92-10.12
10	S	BFB(S)	20.000	21.666	-8.3	109	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.911	-4.6	119	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.523	-2.6	119	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	21.001	-5.0	134	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:43:07 2005

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3695-CC3669
Lab FileID: EF052622.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052622.D\FID2B.CH
Acq On : 1 Jul 2005 8:38 pm Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5100,gef3694,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.949	5.3	93	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	18.978	5.1	93	0.00	3.31- 3.51
3		Benzene	20.000	19.392	3.0	97	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	19.890	0.5	100	0.00	5.61- 5.81
5		Toluene	20.000	19.921	0.4	101	0.00	7.02- 7.22
6		Chlorobenzene	20.000	20.257	-1.3	102	0.00	8.83- 9.03
7		Ethylbenzene	20.000	20.365	-1.8	104	0.00	9.17- 9.37
8		m,p-Xylene	40.000	40.556	-1.4	104	0.00	9.48- 9.68
9		o-Xylene	20.000	20.490	-2.4	104	0.00	10.01-10.21
10	S	BFB(S)	20.000	20.149	-0.7	101	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	19.493	2.5	112	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.881	5.6	110	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	19.590	2.1	124	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	20.487	-2.4	100	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	20.787	-3.9	100	0.00	3.22- 3.42
3		Benzene	20.000	21.098	-5.5	104	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	21.500	-7.5	107	0.00	5.73- 5.93
5		Toluene	20.000	21.553	-7.8	107	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.946	-9.7	109	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.912	-9.6	111	0.00	9.14- 9.34
8		m,p-Xylene	40.000	43.279	-8.2	111	0.00	9.33- 9.53
9		o-Xylene	20.000	22.437	-12.2	112	0.00	9.92-10.12
10	S	BFB(S)	20.000	21.666	-8.3	109	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.911	-4.6	119	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.523	-2.6	119	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	21.001	-5.0	134	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:43:07 2005

Continuing Calibration Summary

Job Number: F32781
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3695-CC3669
Lab FileID: EF052633.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\070105\EF052633.D\FID1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\070105\EF052633.D\FID2B.CH
Acq On : 2 Jul 2005 1:04 am Operator: Trangd
Sample : CC3669-20 Inst : VOA1
Misc : gc5117,gef3695,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0608.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Thu Jun 23 09:42:28 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	19.842	0.8	98	0.00	2.85- 3.05
2		Di-Isopropyl ether	20.000	19.386	3.1	95	0.00	3.31- 3.51
3		Benzene	20.000	19.685	1.6	98	0.00	4.59- 4.79
4	S	a,a,a-TFT(S)	20.000	18.751	6.2	94	0.00	5.61- 5.81
5		Toluene	20.000	19.948	0.3	101	0.00	7.02- 7.22
6		Chlorobenzene	20.000	19.889	0.6	100	0.00	8.83- 9.03
7		Ethylbenzene	20.000	19.865	0.7	101	0.00	9.17- 9.37
8		m,p-Xylene	40.000	39.975	0.1	102	0.00	9.48- 9.68
9		o-Xylene	20.000	20.434	-2.2	103	0.00	10.01-10.21
10	S	BFB(S)	20.000	19.190	4.0	96	0.00	10.52-10.82
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	18.992	5.0	109	0.00	12.45-12.65
12		1,4-Dichlorobenzene	20.000	18.567	7.2	108	0.00	12.56-12.76
13		1,2-Dichlorobenzene	20.000	19.579	2.1	124	0.00	13.07-13.27

***** Signal #2 *****

		----------	Amount	Calc.	%Drift			----------
1		Methyl tert Butyl Ethe	20.000	21.506	-7.5	105	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	21.214	-6.1	102	0.00	3.22- 3.42
3		Benzene	20.000	21.438	-7.2	106	0.00	4.60- 4.80
4	S	a,a,a-TFT(S)	20.000	20.403	-2.0	101	0.00	5.73- 5.93
5		Toluene	20.000	21.625	-8.1	108	0.00	6.97- 7.17
6		Chlorobenzene	20.000	21.790	-8.9	109	0.00	8.94- 9.14
7		Ethylbenzene	20.000	21.567	-7.8	109	0.00	9.14- 9.34
8		m,p-Xylene	40.000	42.887	-7.2	110	0.00	9.33- 9.53
9		o-Xylene	20.000	22.118	-10.6	110	0.00	9.92-10.12
10	S	BFB(S)	20.000	21.030	-5.2	106	0.00	10.70-11.00
		----------	Amount	Calc.	%Drift			----------
11		1,3-Dichlorobenzene	20.000	20.676	-3.4	118	0.00	12.52-12.72
12		1,4-Dichlorobenzene	20.000	20.395	-2.0	118	0.00	12.68-12.88
13		1,2-Dichlorobenzene	20.000	20.723	-3.6	132	0.00	13.27-13.47

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF052009.D DUAL0608.M Thu Jul 07 10:43:07 2005

September 2005 Groundwater Laboratory Report

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F35186

Sampling Date: 09/22/05

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **89**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F35186

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F35186-1	09/22/05	09:15	BS	09/24/05	AQ	Ground Water	USTG45-MW21
F35186-2	09/22/05	10:30	BS	09/24/05	AQ	Ground Water	USTG45-MW12
F35186-3	09/22/05	11:05	BS	09/24/05	AQ	Ground Water	USTG45-MW09
F35186-4	09/22/05	11:35	BS	09/24/05	AQ	Ground Water	USTG45-MW03
F35186-5	09/22/05	13:25	BS	09/24/05	AQ	Ground Water	USTG45-MW01
F35186-6	09/22/05	14:13	BS	09/24/05	AQ	Ground Water	USTG45-MW02
F35186-7	09/22/05	00:00	BS	09/24/05	AQ	Ground Water	USTG45-DUP
F35186-8	09/22/05	15:15	BS	09/24/05	AQ	Ground Water	USTG45-MW15
F35186-9	09/22/05	12:00	BS	09/24/05	AQ	Ground Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EEI **Job No:** F35186

Site: Camp Lejeune - Bldg 645 **Report Date:** 10/12/2005 11:16:41

9 Samples were collected on 09/22/2005 and were received at Accutest on 09/24/2005 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F35186. 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.

Extractables by GCMS by Method EPA 625

Matrix: AQ **Batch ID:** OP14536

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Samples F35186-3MS, F35186-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Volatiles by GC by Method EPA 601/602

Matrix: AQ **Batch ID:** GEF3790

F35186-8: Confirmation run.

Matrix: AQ **Batch ID:** GEF3792

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F35181-1MS, F35181-1MSD were used as the QC samples indicated.

F35186-5: All hits confirmed by dual column analysis.

F35186-4: All hits confirmed by dual column analysis.

F35186-2: All hits confirmed by dual column analysis.

F35186-7: All hits confirmed by dual column analysis.

F35186-8: All hits confirmed by dual column analysis.

F35186-1: All hits confirmed by dual column analysis.

Matrix: AQ **Batch ID:** GEF3794

All samples were analyzed within the recommended method holding time.

Samples F35185-2MSMSD, F35189-5MS were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F35186-6: All hits confirmed by dual column analysis.

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: October 12, 2005

Ellen Pampel, Inorganic QA (signature on file)

Wednesday, October 12, 2005

Report of Analysis

Client Sample ID: USTG45-MW21
Lab Sample ID: F35186-1
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F011666.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

Report of Analysis

Client Sample ID: USTG45-MW21
Lab Sample ID: F35186-1
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		19-90%
4165-62-2	Phenol-d5	27%		10-68%
118-79-6	2,4,6-Tribromophenol	86%		36-137%
4165-60-0	Nitrobenzene-d5	78%		49-119%
321-60-8	2-Fluorobiphenyl	75%		45-118%
1718-51-0	Terphenyl-d14	78%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
994-05-8	Butane, 2-methoxy-2-methyl-	2.39	6.1	ug/l	JNB
1455-77-2	3,5-Diamino-1,2,4-triazole	15.89	8.5	ug/l	JN

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

Report of Analysis

Client Sample ID:	USTG45-MW21		
Lab Sample ID:	F35186-1	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		8.5	ug/l	J

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

Report of Analysis

Client Sample ID:	USTG45-MW21		
Lab Sample ID:	F35186-1	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF054980.D	1	09/30/05	TD	n/a	n/a	GEF3792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.54	1.0	0.50	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.4	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	3.1	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		71-130%
98-08-8	aaa-Trifluorotoluene	99%		71-124%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: USTG45-MW12
Lab Sample ID: F35186-2
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F011667.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	7.2	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

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

Report of Analysis

Client Sample ID:	USTG45-MW12		
Lab Sample ID:	F35186-2	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	61.2	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		19-90%
4165-62-2	Phenol-d5	27%		10-68%
118-79-6	2,4,6-Tribromophenol	93%		36-137%
4165-60-0	Nitrobenzene-d5	80%		49-119%
321-60-8	2-Fluorobiphenyl	79%		45-118%
1718-51-0	Terphenyl-d14	82%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
590-36-3	2-Pentanol, 2-methyl-	2.90	19	ug/l	JN
77-74-7	3-Pentanol, 3-methyl-	3.10	16	ug/l	JN

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

Report of Analysis

Client Sample ID:	USTG45-MW12		
Lab Sample ID:	F35186-2	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
597-96-6	3-Hexanol, 3-methyl-	3.87	18	ug/l	JN
100-41-4	Ethylbenzene	4.03	59	ug/l	JN
108-38-3	Benzene, 1,3-dimethyl-	4.28	140	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.98	150	ug/l	JN
1000191-13-7	Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	5.27	82	ug/l	JN
135-01-3	Benzene, 1,2-diethyl-	5.32	17	ug/l	JN
105-05-5	Benzene, 1,4-diethyl-	5.38	18	ug/l	JN
527-53-7	Benzene, 1,2,3,5-tetramethyl-	5.78	23	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.81	37	ug/l	JN
767-58-8	Indan, 1-methyl-	6.02	72	ug/l	JN
585-74-0	Ethanone, 1-(3-methylphenyl)-	6.16	15	ug/l	JN
697-82-5	Phenol, 2,3,5-trimethyl-	6.59	17	ug/l	JN
13610-02-1	Benzene, (2-propynyloxy)-	6.98	14	ug/l	JN
603-79-2	Benzoic acid, 2,3-dimethyl-	7.33	20	ug/l	JN
622-47-9	p-Tolylacetic acid	7.36	16	ug/l	JN
480-63-7	Benzoic acid, 2,4,6-trimethyl-	7.95	23	ug/l	JN
72403-15-7	Benzene, (1-chloroethyl)methyl-	8.10	17	ug/l	JN
528-90-5	Benzoic acid, 2,4,5-trimethyl-	8.41	13	ug/l	JN
	Total TIC, Semi-Volatile		786	ug/l	J

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

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

Report of Analysis

Client Sample ID:	USTG45-MW12		
Lab Sample ID:	F35186-2	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF054988.D	5	09/30/05	TD	n/a	n/a	GEF3792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4.2	5.0	2.5	ug/l	J
108-90-7	Chlorobenzene	ND	5.0	2.5	ug/l	
95-50-1	1,2-Dichlorobenzene	31.6	5.0	2.5	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
100-41-4	Ethylbenzene	115	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-88-3	Toluene	26.3	5.0	2.5	ug/l	
1330-20-7	Xylenes (total)	472	15	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		71-130%
98-08-8	aaa-Trifluorotoluene	73%		71-124%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: USTG45-MW09
Lab Sample ID: F35186-3
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F011668.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

Report of Analysis

Client Sample ID:	USTG45-MW09		
Lab Sample ID:	F35186-3	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		19-90%
4165-62-2	Phenol-d5	28%		10-68%
118-79-6	2,4,6-Tribromophenol	86%		36-137%
4165-60-0	Nitrobenzene-d5	82%		49-119%
321-60-8	2-Fluorobiphenyl	79%		45-118%
1718-51-0	Terphenyl-d14	80%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
994-05-8	Butane, 2-methoxy-2-methyl-	2.39	5.9	ug/l	JNB
7098-21-7	Tritetracontane	18.03	5.8	ug/l	JN

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

Report of Analysis

Client Sample ID:	USTG45-MW09		
Lab Sample ID:	F35186-3	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
593-49-7	Heptacosane	19.13	12	ug/l	JN
638-67-5	Tricosane	19.67	16	ug/l	JN
630-02-4	Octacosane	20.19	15	ug/l	JN
630-06-8	Hexatriacontane	20.72	13	ug/l	JN
	Total TIC, Semi-Volatile		61.8	ug/l	J

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

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

Report of Analysis

Client Sample ID:	USTG45-MW09		
Lab Sample ID:	F35186-3	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF054981.D	1	09/30/05	TD	n/a	n/a	GEF3792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		71-130%
98-08-8	aaa-Trifluorotoluene	92%		71-124%

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

Report of Analysis

Client Sample ID: USTG45-MW03
Lab Sample ID: F35186-4
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F011671.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID: USTG45-MW03
Lab Sample ID: F35186-4
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	3.2	4.8	0.95	ug/l	J
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	87%		36-137%
4165-60-0	Nitrobenzene-d5	71%		49-119%
321-60-8	2-Fluorobiphenyl	69%		45-118%
1718-51-0	Terphenyl-d14	83%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
873-49-4	Benzene, cyclopropyl-	5.27	5.8	ug/l	JN
527-53-7	Benzene, 1,2,3,5-tetramethyl-	5.81	8.4	ug/l	JN

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

Report of Analysis

Client Sample ID:	USTG45-MW03		
Lab Sample ID:	F35186-4	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
767-58-8	Indan, 1-methyl-	6.02	12	ug/l	JN
10544-50-0	Cyclic octaatomic sulfur	13.44	16	ug/l	JN
	Total TIC, Semi-Volatile		42.2	ug/l	J

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

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

Report of Analysis

Client Sample ID:	USTG45-MW03		
Lab Sample ID:	F35186-4	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF054982.D	1	09/30/05	TD	n/a	n/a	GEF3792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	3.0	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	5.0	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	2.7	3.0	1.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		71-130%
98-08-8	aaa-Trifluorotoluene	98%		71-124%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID:	USTG45-MW01		
Lab Sample ID:	F35186-5	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F011672.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

Report of Analysis

Client Sample ID: USTG45-MW01
Lab Sample ID: F35186-5
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	8.2	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		19-90%
4165-62-2	Phenol-d5	23%		10-68%
118-79-6	2,4,6-Tribromophenol	80%		36-137%
4165-60-0	Nitrobenzene-d5	75%		49-119%
321-60-8	2-Fluorobiphenyl	71%		45-118%
1718-51-0	Terphenyl-d14	72%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
108-88-3	Toluene	3.21	6	ug/l	JN
100-41-4	Ethylbenzene	4.03	8.7	ug/l	JN

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

Report of Analysis

Client Sample ID:	USTG45-MW01		
Lab Sample ID:	F35186-5	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
108-38-3	Benzene, 1,3-dimethyl-	4.27	7.9	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.75	34	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.98	86	ug/l	JN
300-57-2	Benzene, 2-propenyl-	5.27	17	ug/l	JN
141-93-5	Benzene, 1,3-diethyl-	5.32	13	ug/l	JN
1074-43-7	Benzene, 1-methyl-3-propyl-	5.34	11	ug/l	JN
135-01-3	Benzene, 1,2-diethyl-	5.38	18	ug/l	JN
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	5.50	13	ug/l	JN
99-87-6	Benzene, 1-methyl-4-(1-methylethyl	5.52	11	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.78	14	ug/l	JN
527-53-7	Benzene, 1,2,3,5-tetramethyl-	5.81	22	ug/l	JN
824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	6.02	34	ug/l	JN
1000164-42-6	Bicyclo[4.2.1]nona-2,4,7-triene, 7	6.60	7.9	ug/l	JN
17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethy	6.83	6	ug/l	JN
83-33-0	1H-Inden-1-one, 2,3-dihydro-	6.98	6.1	ug/l	JN
499-06-9	Benzoic acid, 3,5-dimethyl-	7.75	6.5	ug/l	JN
1000201-99-6	7-Methylindan-1-one	7.98	6.5	ug/l	JN
1000118-15-1	3-Phenyl-3-pentene	8.01	5.6	ug/l	JN
	Total TIC, Semi-Volatile		334.2	ug/l	J

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

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

Report of Analysis

Client Sample ID:	USTG45-MW01		
Lab Sample ID:	F35186-5	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF054983.D	1	09/30/05	TD	n/a	n/a	GEF3792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.0	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.84	1.0	0.50	ug/l	J
95-50-1	1,2-Dichlorobenzene	75.6	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	35.2	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.7	1.0	0.50	ug/l	
108-88-3	Toluene	27.9	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	64.7	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		71-130%
98-08-8	aaa-Trifluorotoluene	100%		71-124%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: USTG45-MW02
Lab Sample ID: F35186-6
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F011673.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	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	1.9	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	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

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

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

Report of Analysis

Client Sample ID: USTG45-MW02
Lab Sample ID: F35186-6
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	24.2	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		19-90%
4165-62-2	Phenol-d5	23%		10-68%
118-79-6	2,4,6-Tribromophenol	82%		36-137%
4165-60-0	Nitrobenzene-d5	77%		49-119%
321-60-8	2-Fluorobiphenyl	72%		45-118%
1718-51-0	Terphenyl-d14	74%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
100-41-4	Ethylbenzene	4.03	18	ug/l	JN
108-38-3	Benzene, 1,3-dimethyl-	4.27	36	ug/l	JN

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

Report of Analysis

Client Sample ID:	USTG45-MW02		
Lab Sample ID:	F35186-6	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
103-65-1	Benzene, propyl-	4.71	11	ug/l	JN
620-14-4	Benzene, 1-ethyl-3-methyl-	4.75	78	ug/l	JN
611-14-3	Benzene, 1-ethyl-2-methyl-	4.88	49	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.98	160	ug/l	JN
1000191-13-7	Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	5.27	29	ug/l	JN
105-05-5	Benzene, 1,4-diethyl-	5.32	16	ug/l	JN
1074-43-7	Benzene, 1-methyl-3-propyl-	5.34	18	ug/l	JN
99-87-6	Benzene, 1-methyl-4-(1-methylethyl	5.38	33	ug/l	JN
934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	5.50	19	ug/l	JN
535-77-3	Benzene, 1-methyl-3-(1-methylethyl	5.52	16	ug/l	JN
2870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	5.70	7.2	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.78	18	ug/l	JN
527-53-7	Benzene, 1,2,3,5-tetramethyl-	5.81	28	ug/l	JN
874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	5.96	22	ug/l	JN
767-58-8	Indan, 1-methyl-	6.02	53	ug/l	JN
56147-63-8	2-Ethyl-2,3-dihydro-1H-indene	6.60	8.6	ug/l	JN
1075-22-5	1H-Indene, 2,3-dihydro-5,6-dimethy	6.73	7.6	ug/l	JN
1455-77-2	3,5-Diamino-1,2,4-triazole	15.89	34	ug/l	JN
	Total TIC, Semi-Volatile		661.4	ug/l	J

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

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

Report of Analysis

Client Sample ID:	USTG45-MW02		
Lab Sample ID:	F35186-6	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF054984.D	1	09/30/05	TD	n/a	n/a	GEF3792
Run #2 [a]	EF055014.D	2	10/03/05	TD	n/a	n/a	GEF3794

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

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.73	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	69.9	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	53.8	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.1	1.0	0.50	ug/l	
108-88-3	Toluene	9.3	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	240 [b]	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%	100%	71-130%
98-08-8	aaa-Trifluorotoluene	113%	108%	71-124%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID: USTG45-DUP
Lab Sample ID: F35186-7
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F011674.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	1.9	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	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	7.7	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	4.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	24	15	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	1.9	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	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	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	1.9	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	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	

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

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

Report of Analysis

Client Sample ID: USTG45-DUP
Lab Sample ID: F35186-7
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	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	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	63.4	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.9	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	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	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		19-90%
4165-62-2	Phenol-d5	28%		10-68%
118-79-6	2,4,6-Tribromophenol	91%		36-137%
4165-60-0	Nitrobenzene-d5	84%		49-119%
321-60-8	2-Fluorobiphenyl	79%		45-118%
1718-51-0	Terphenyl-d14	80%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
590-36-3	2-Pentanol, 2-methyl-	2.90	18	ug/l	JN
77-74-7	3-Pentanol, 3-methyl-	3.10	15	ug/l	JN

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

Report of Analysis

Client Sample ID:	USTG45-DUP		
Lab Sample ID:	F35186-7	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
597-96-6	3-Hexanol, 3-methyl-	3.87	17	ug/l	JN
100-41-4	Ethylbenzene	4.03	56	ug/l	JN
95-47-6	Benzene, 1,2-dimethyl-	4.28	130	ug/l	JN
526-73-8	Benzene, 1,2,3-trimethyl-	4.98	140	ug/l	JN
496-11-7	Indane	5.27	81	ug/l	JN
105-05-5	Benzene, 1,4-diethyl-	5.32	17	ug/l	JN
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	5.38	18	ug/l	JN
527-53-7	Benzene, 1,2,3,5-tetramethyl-	5.78	22	ug/l	JN
95-93-2	Benzene, 1,2,4,5-tetramethyl-	5.81	37	ug/l	JN
934-10-1	3-Phenylbut-1-ene	6.02	69	ug/l	JN
119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	6.13	13	ug/l	JN
122-00-9	Ethanone, 1-(4-methylphenyl)-	6.16	15	ug/l	JN
99-86-5	1,3-Cyclohexadiene, 1-methyl-4-(1-	6.59	16	ug/l	JN
13610-02-1	Benzene, (2-propynyloxy)-	6.98	13	ug/l	JN
611-01-8	Benzoic acid, 2,4-dimethyl-	7.33	18	ug/l	JN
480-63-7	Benzoic acid, 2,4,6-trimethyl-	7.95	23	ug/l	JN
6331-04-0	Acetic acid, (2,4-xylyl)-	8.10	17	ug/l	JN
528-90-5	Benzoic acid, 2,4,5-trimethyl-	8.41	14	ug/l	JN
	Total TIC, Semi-Volatile		749	ug/l	J

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

Report of Analysis

Client Sample ID:	USTG45-DUP		
Lab Sample ID:	F35186-7	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF054989.D	5	09/30/05	TD	n/a	n/a	GEF3792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4.3	5.0	2.5	ug/l	J
108-90-7	Chlorobenzene	ND	5.0	2.5	ug/l	
95-50-1	1,2-Dichlorobenzene	21.5	5.0	2.5	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
100-41-4	Ethylbenzene	111	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-88-3	Toluene	25.1	5.0	2.5	ug/l	
1330-20-7	Xylenes (total)	415	15	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		71-130%
98-08-8	aaa-Trifluorotoluene	89%		71-124%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: USTG45-MW15
Lab Sample ID: F35186-8
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/22/05
Date Received: 09/24/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F011675.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

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

Report of Analysis

Client Sample ID:	USTG45-MW15		
Lab Sample ID:	F35186-8	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		19-90%
4165-62-2	Phenol-d5	25%		10-68%
118-79-6	2,4,6-Tribromophenol	80%		36-137%
4165-60-0	Nitrobenzene-d5	74%		49-119%
321-60-8	2-Fluorobiphenyl	71%		45-118%
1718-51-0	Terphenyl-d14	78%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
994-05-8	Butane, 2-methoxy-2-methyl-	2.39	5.4	ug/l	JNB
	Total TIC, Semi-Volatile		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:	USTG45-MW15		
Lab Sample ID:	F35186-8	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF054986.D	1	09/30/05	TD	n/a	n/a	GEF3792
Run #2 [b]	EF054938.D	1	09/29/05	TD	n/a	n/a	GEF3790

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

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.0	1.0	0.50	ug/l	
108-88-3	Toluene	0.74	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%	82%	71-130%
98-08-8	aaa-Trifluorotoluene	93%	82%	71-124%

(a) All hits confirmed by dual column analysis.
(b) Confirmation run.

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F35186-9	**Date Sampled:**	09/22/05
Matrix:	AQ - Ground Water	**Date Received:**	09/24/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF054987.D	1	09/30/05	TD	n/a	n/a	GEF3792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		71-130%
98-08-8	aaa-Trifluorotoluene	92%		71-124%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F35186
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Engineering + Environment
ADDRESS: 929 Gumbranch rd Suite S
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO:
PHONE #: 910-999-3214

FACILITY INFORMATION

PROJECT NAME: Old 645
LOCATION:
PROJECT NO.:
FAX #: 910-999-8341

ANALYTICAL INFORMATION

6020 625 w/ 10 TICs

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	6020	625 w/ 10 TICs	LAB USE ONLY
1	45T645-MW21	9/22/05	9:15	BS	GW	5	X				X	3	2	
2	45T645-MW12	9/22/05	10:30	BS	GW	5	X				X	3	2	
3	45T645-MW09	9/22/05	11:05	BS	GW	5	X				X	3	2	
4	45T645-MW03	9/22/05	11:35	BS	GW	5	X				X	3	2	
5	45T645-MW01	9/22/05	13:25	BS	GW	5	X				X	3	2	
6	45T645-MW02	9/22/05	14:13	BS	GW	5	X				X	3	2	
7	45T645-Dup	9/22/05	—	BS	GW	5	X				X	3	2	
8	45T645-MW15	9/22/05	15:15	BS	GW	5	X				X	3	2	
9	Trip Blank	9/23/05	12:00											

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [x] OTHER (SPECIFY) NJ-EQA4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	9/23/05 12:00	1. FX	2. FX	9/23/05	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE	ON ICE
5.		5.		3.0 3.2	☐

TEMPERATURE: ____ C

F35186: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F35186 CLIENT: ENG + ENVIRO PROJECT: BB4675

DATE/TIME RECEIVED: 9/24/05 09:N # OF COOLERS RECEIVED: 2 COOLER TEMPS: 3.0 3.2

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

AIRBILL NUMBERS: 853076386611 / 853076386599 6

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] NO COC RECEIVED
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [X] SAMPLE(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS: SAMPLE # 5 (45T6VT MW01 @ 13:35)
Received 1 Amber Liter Broken

TECHNICIAN SIGNATURE/DATE CP 9/24/05 TECHNICIAN SIGNATURE/DATE [illegible] 9-24-05

ASBD06/22/05

4.1 4

F35186: Chain of Custody
Page 2 of 2

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14536-MB	F011665.D	1	09/27/05	NJ	09/27/05	OP14536	SF640

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

F35186-1, F35186-2, F35186-3, F35186-4, F35186-5, F35186-6, F35186-7, F35186-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	

Method Blank Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14536-MB	F011665.D	1	09/27/05	NJ	09/27/05	OP14536	SF640

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

F35186-1, F35186-2, F35186-3, F35186-4, F35186-5, F35186-6, F35186-7, F35186-8

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	51%	19-90%
4165-62-2	Phenol-d5	33%	10-68%
118-79-6	2,4,6-Tribromophenol	79%	36-137%
4165-60-0	Nitrobenzene-d5	77%	49-119%
321-60-8	2-Fluorobiphenyl	73%	45-118%
1718-51-0	Terphenyl-d14	78%	46-135%

Method Blank Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14536-MB	F011665.D	1	09/27/05	NJ	09/27/05	OP14536	SF640

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

F35186-1, F35186-2, F35186-3, F35186-4, F35186-5, F35186-6, F35186-7, F35186-8

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
994-05-8	Butane, 2-methoxy-2-methyl-	2.39	7	ug/l	JN
	Total TIC, Semi-Volatile		7	ug/l	J

Blank Spike Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14536-BS	F011664.D	1	09/27/05	NJ	09/27/05	OP14536	SF640

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

F35186-1, F35186-2, F35186-3, F35186-4, F35186-5, F35186-6, F35186-7, F35186-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	42.3	85	62-103
59-50-7	4-Chloro-3-methyl phenol	50	43.3	87	64-103
120-83-2	2,4-Dichlorophenol	50	45.4	91	59-103
105-67-9	2,4-Dimethylphenol	50	33.3	67	43-94
51-28-5	2,4-Dinitrophenol	100	111	111	12-125
534-52-1	4,6-Dinitro-o-cresol	100	112	112	47-119
88-75-5	2-Nitrophenol	50	45.9	92	64-104
100-02-7	4-Nitrophenol	100	37.0	37	22-50
87-86-5	Pentachlorophenol	100	93.6	94	50-111
108-95-2	Phenol	50	19.7	39	25-53
88-06-2	2,4,6-Trichlorophenol	50	44.3	89	60-103
83-32-9	Acenaphthene	50	40.9	82	62-101
208-96-8	Acenaphthylene	50	39.5	79	65-113
120-12-7	Anthracene	50	42.7	85	69-107
56-55-3	Benzo(a)anthracene	50	44.1	88	68-106
50-32-8	Benzo(a)pyrene	50	43.3	87	70-114
205-99-2	Benzo(b)fluoranthene	50	43.0	86	68-110
191-24-2	Benzo(g,h,i)perylene	50	44.0	88	63-115
207-08-9	Benzo(k)fluoranthene	50	44.9	90	68-112
101-55-3	4-Bromophenyl phenyl ether	50	45.1	90	73-103
85-68-7	Butyl benzyl phthalate	50	40.9	82	69-108
91-58-7	2-Chloronaphthalene	50	40.0	80	64-102
218-01-9	Chrysene	50	43.7	87	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	40.8	82	57-103
111-44-4	bis(2-Chloroethyl)ether	50	43.6	87	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	35.5	71	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	43.5	87	71-104
95-50-1	1,2-Dichlorobenzene	50	35.8	72	62-100
122-66-7	1,2-Diphenylhydrazine	50	42.3	85	65-105
541-73-1	1,3-Dichlorobenzene	50	34.0	68	59-99
106-46-7	1,4-Dichlorobenzene	50	34.2	68	60-101
121-14-2	2,4-Dinitrotoluene	50	43.5	87	65-111
606-20-2	2,6-Dinitrotoluene	50	39.9	80	77-111
53-70-3	Dibenzo(a,h)anthracene	50	43.1	86	62-115
84-74-2	Di-n-butyl phthalate	50	40.5	81	68-109
117-84-0	Di-n-octyl phthalate	50	42.1	84	63-120

Blank Spike Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14536-BS	F011664.D	1	09/27/05	NJ	09/27/05	OP14536	SF640

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

F35186-1, F35186-2, F35186-3, F35186-4, F35186-5, F35186-6, F35186-7, F35186-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
84-66-2	Diethyl phthalate	50	41.1	82	64-110
131-11-3	Dimethyl phthalate	50	42.1	84	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	41.5	83	64-115
206-44-0	Fluoranthene	50	42.6	85	68-111
86-73-7	Fluorene	50	41.2	82	66-105
118-74-1	Hexachlorobenzene	50	42.3	85	69-103
87-68-3	Hexachlorobutadiene	50	34.3	69	55-90
77-47-4	Hexachlorocyclopentadiene	50	22.6	45	26-95
67-72-1	Hexachloroethane	50	32.8	66	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	46.0	92	63-118
78-59-1	Isophorone	50	42.4	85	64-107
91-20-3	Naphthalene	50	38.9	78	62-101
98-95-3	Nitrobenzene	50	42.4	85	61-106
62-75-9	N-Nitrosodimethylamine	50	22.4	45	12-78
621-64-7	N-Nitroso-di-n-propylamine	50	40.3	81	64-109
86-30-6	N-Nitrosodiphenylamine	50	43.2	86	69-114
85-01-8	Phenanthrene	50	42.8	86	68-104
129-00-0	Pyrene	50	43.0	86	64-105
120-82-1	1,2,4-Trichlorobenzene	50	36.7	73	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	54%	19-90%
4165-62-2	Phenol-d5	35%	10-68%
118-79-6	2,4,6-Tribromophenol	87%	36-137%
4165-60-0	Nitrobenzene-d5	85%	49-119%
321-60-8	2-Fluorobiphenyl	80%	45-118%
1718-51-0	Terphenyl-d14	83%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14536-MS	F011669.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
OP14536-MSD	F011670.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
F35186-3	F011668.D	1	09/27/05	NJ	09/27/05	OP14536	SF640

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

F35186-1, F35186-2, F35186-3, F35186-4, F35186-5, F35186-6, F35186-7, F35186-8

CAS No.	Compound	F35186-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		48.1	41.1	85	40.2	84	2	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		48.1	41.9	87	42.1	88	0	60-101/18
120-83-2	2,4-Dichlorophenol	ND		48.1	42.8	89	42.2	88	1	55-100/24
105-67-9	2,4-Dimethylphenol	ND		48.1	32.4	67	33.6	70	4	36-98/26
51-28-5	2,4-Dinitrophenol	ND		96.2	94.5	98	95.8	100	1	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		96.2	106	110	99.5	103	6	40-127/24
88-75-5	2-Nitrophenol	ND		48.1	43.7	91	42.8	89	2	53-104/25
100-02-7	4-Nitrophenol	ND		96.2	49.0	51	44.9	47	9	32-81/28
87-86-5	Pentachlorophenol	ND		96.2	89.7	93	81.3	85	10	44-118/16
108-95-2	Phenol	ND		48.1	26.6	55	25.9	54	3	31-77/26
88-06-2	2,4,6-Trichlorophenol	ND		48.1	42.4	88	39.1	81	8	55-103/21
83-32-9	Acenaphthene	ND		48.1	39.6	82	39.5	82	0	55-103/20
208-96-8	Acenaphthylene	ND		48.1	37.6	78	37.5	78	0	55-113/20
120-12-7	Anthracene	ND		48.1	41.1	85	41.5	86	1	66-105/14
56-55-3	Benzo(a)anthracene	ND		48.1	42.9	89	42.0	87	2	65-103/16
50-32-8	Benzo(a)pyrene	ND		48.1	41.5	86	42.2	88	2	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		48.1	42.3	88	43.0	89	2	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		48.1	40.9	85	41.3	86	1	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		48.1	43.2	90	44.0	92	2	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		48.1	43.3	90	42.8	89	1	68-102/16
85-68-7	Butyl benzyl phthalate	ND		48.1	39.0	81	38.7	80	1	65-108/17
91-58-7	2-Chloronaphthalene	ND		48.1	38.5	80	39.1	81	2	58-101/22
218-01-9	Chrysene	ND		48.1	42.5	88	41.7	87	2	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		48.1	38.6	80	38.2	79	1	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		48.1	41.9	87	41.7	87	0	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		48.1	33.5	70	34.4	72	3	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		48.1	41.5	86	41.7	87	0	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		48.1	34.3	71	35.0	73	2	50-101/22
122-66-7	1,2-Diphenylhydrazine	ND		48.1	40.9	85	41.0	85	0	61-101/17
541-73-1	1,3-Dichlorobenzene	ND		48.1	33.2	69	33.5	70	1	50-100/23
106-46-7	1,4-Dichlorobenzene	ND		48.1	33.4	69	33.9	71	1	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		48.1	40.6	84	40.6	84	0	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		48.1	37.8	79	38.7	80	2	60-111/19
53-70-3	Dibenzo(a,h)anthracene	ND		48.1	39.8	83	40.4	84	1	57-111/20
84-74-2	Di-n-butyl phthalate	ND		48.1	38.9	81	39.0	81	0	63-107/17
117-84-0	Di-n-octyl phthalate	ND		48.1	42.2	88	42.7	89	1	58-126/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14536-MS	F011669.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
OP14536-MSD	F011670.D	1	09/27/05	NJ	09/27/05	OP14536	SF640
F35186-3	F011668.D	1	09/27/05	NJ	09/27/05	OP14536	SF640

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

F35186-1, F35186-2, F35186-3, F35186-4, F35186-5, F35186-6, F35186-7, F35186-8

CAS No.	Compound	F35186-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
84-66-2	Diethyl phthalate	ND		48.1	38.1	79	38.8	81	2	59-110/18
131-11-3	Dimethyl phthalate	ND		48.1	39.5	82	40.0	83	1	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		48.1	40.0	83	39.2	82	2	55-120/22
206-44-0	Fluoranthene	ND		48.1	41.7	87	40.9	85	2	62-108/17
86-73-7	Fluorene	ND		48.1	38.9	81	39.3	82	1	60-105/17
118-74-1	Hexachlorobenzene	ND		48.1	39.9	83	40.2	84	1	64-102/16
87-68-3	Hexachlorobutadiene	ND		48.1	36.0	75	36.4	76	1	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		48.1	22.8	47	23.3	48	2	20-92/34
67-72-1	Hexachloroethane	ND		48.1	32.9	68	33.3	69	1	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		48.1	41.7	87	41.4	86	1	61-111/19
78-59-1	Isophorone	ND		48.1	39.8	83	39.9	83	0	59-103/23
91-20-3	Naphthalene	ND		48.1	37.5	78	37.2	77	1	52-102/23
98-95-3	Nitrobenzene	ND		48.1	39.8	83	40.0	83	1	51-103/25
62-75-9	N-Nitrosodimethylamine	ND		48.1	27.6	57	28.4	59	3	20-91/29
621-64-7	N-Nitroso-di-n-propylamine	ND		48.1	37.4	78	38.0	79	2	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		48.1	42.3	88	42.0	87	1	62-112/16
85-01-8	Phenanthrene	ND		48.1	41.8	87	41.2	86	1	64-103/15
129-00-0	Pyrene	ND		48.1	41.8	87	41.1	85	2	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		48.1	37.3	78	36.6	76	2	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F35186-3	Limits
367-12-4	2-Fluorophenol	66%	63%	46%	19-90%
4165-62-2	Phenol-d5	49%	49%	28%	10-68%
118-79-6	2,4,6-Tribromophenol	84%	82%	86%	36-137%
4165-60-0	Nitrobenzene-d5	85%	84%	82%	49-119%
321-60-8	2-Fluorobiphenyl	81%	82%	79%	45-118%
1718-51-0	Terphenyl-d14	82%	83%	80%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF625-DFTPP
Lab File ID: F011386.D
Instrument ID: GCMSF
Injection Date: 09/06/05
Injection Time: 09:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	75162	40.6		Pass
68	Less than 2.0% of mass 69	160	0.09	(0.24) [a]	Pass
69	Mass 69 relative abundance	65384	35.3		Pass
70	Less than 2.0% of mass 69	342	0.18	(0.52) [a]	Pass
127	40.0 - 60.0% of mass 198	93690	50.6		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	185312	100.0		Pass
199	5.0 - 9.0% of mass 198	12359	6.7		Pass
275	10.0 - 30.0% of mass 198	33517	18.1		Pass
365	1.0 - 100.0% of mass 198	2709	1.5		Pass
441	Present, but less than mass 443	14522	7.8	(63.1) [b]	Pass
442	40.0 - 100.0% of mass 198	117312	63.3		Pass
443	17.0 - 23.0% of mass 442	23023	12.4	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SF625-IC625	F011387.D	09/06/05	09:58	00:19	Initial cal 5
SF625-IC625	F011388.D	09/06/05	10:29	00:50	Initial cal 25
SF625-IC625	F011389.D	09/06/05	11:00	01:21	Initial cal 50
SF625-ICC625	F011390.D	09/06/05	11:36	01:57	Initial cal 75
SF625-IC625	F011391.D	09/06/05	12:10	02:31	Initial cal 100
SF625-IC625	F011392.D	09/06/05	12:41	03:02	Initial cal 125
SF625-ICV625	F011393.D	09/06/05	13:13	03:34	Initial cal verification 50
SF625-ICV625	F011394.D	09/06/05	13:45	04:06	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF640-DFTPP
Lab File ID: F011658.D
Instrument ID: GCMSF
Injection Date: 09/27/05
Injection Time: 13:10

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	58454	38.6		Pass
68	Less than 2.0% of mass 69	207	0.14	(0.38) [a]	Pass
69	Mass 69 relative abundance	54066	35.7		Pass
70	Less than 2.0% of mass 69	299	0.2	(0.55) [a]	Pass
127	40.0 - 60.0% of mass 198	74557	49.2		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	151584	100.0		Pass
199	5.0 - 9.0% of mass 198	9618	6.3		Pass
275	10.0 - 30.0% of mass 198	26350	17.4		Pass
365	1.0 - 100.0% of mass 198	2100	1.4		Pass
441	Present, but less than mass 443	7096	4.7	(39.0) [b]	Pass
442	40.0 - 100.0% of mass 198	91946	60.7		Pass
443	17.0 - 23.0% of mass 442	18195	12.0	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SF640-CC625	F011659.D	09/27/05	13:29	00:19	Continuing cal 50
OP14535-BS	F011660.D	09/27/05	14:01	00:51	Blank Spike
OP14535-MB	F011661.D	09/27/05	14:32	01:22	Method Blank
ZZZZZZ	F011662.D	09/27/05	15:04	01:54	(unrelated sample)
ZZZZZZ	F011663.D	09/27/05	15:36	02:26	(unrelated sample)
OP14536-BS	F011664.D	09/27/05	16:07	02:57	Blank Spike
OP14536-MB	F011665.D	09/27/05	16:39	03:29	Method Blank
F35186-1	F011666.D	09/27/05	17:11	04:01	USTG45-MW21
F35186-2	F011667.D	09/27/05	17:43	04:33	USTG45-MW12
F35186-3	F011668.D	09/27/05	18:14	05:04	USTG45-MW09
OP14536-MS	F011669.D	09/27/05	18:46	05:36	Matrix Spike
OP14536-MSD	F011670.D	09/27/05	19:17	06:07	Matrix Spike Duplicate
F35186-4	F011671.D	09/27/05	19:48	06:38	USTG45-MW03
F35186-5	F011672.D	09/27/05	20:18	07:08	USTG45-MW01
F35186-6	F011673.D	09/27/05	20:49	07:39	USTG45-MW02
F35186-7	F011674.D	09/27/05	21:19	08:09	USTG45-DUP
F35186-8	F011675.D	09/27/05	21:50	08:40	USTG45-MW15
OP14511-MB	F011676.D	09/27/05	22:20	09:10	Method Blank
ZZZZZZ	F011677.D	09/27/05	22:51	09:41	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SF640-CC625 **Injection Date:** 09/27/05
Lab File ID: F011659.D **Injection Time:** 13:29
Instrument ID: GCMSF **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	209578	5.12	823226	6.30	459993	8.64	724646	11.17	595883	16.13	552654	18.64
Upper Limit [a]	419156	5.62	1646452	6.80	919986	9.14	1449292	11.67	1191766	16.63	1105308	19.14
Lower Limit [b]	104789	4.62	411613	5.80	229997	8.14	362323	10.67	297942	15.63	276327	18.14

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP14535-BS [c]	218526	5.12	833497	6.30	462346	8.63	703161	11.17	582264	16.13	528548	18.64
OP14535-MB	198655	5.12	761555	6.30	432978	8.63	672247	11.17	581960	16.13	540143	18.64
ZZZZZZ	205917	5.12	798461	6.30	437900	8.63	666304	11.17	561889	16.13	516650	18.64
ZZZZZZ	209697	5.12	807427	6.30	464767	8.63	708075	11.17	587863	16.13	526187	18.64
OP14536-BS	203716	5.12	793521	6.30	458110	8.63	700868	11.17	548490	16.13	487704	18.64
OP14536-MB	199685	5.12	754645	6.30	423200	8.63	649383	11.17	550699	16.13	527484	18.64
F35186-1	209465	5.12	784690	6.30	440052	8.63	665653	11.17	564512	16.13	523834	18.64
F35186-2	214779	5.12	809904	6.30	450073	8.63	673443	11.17	564345	16.13	519632	18.64
F35186-3	206873	5.12	803273	6.30	442292	8.63	670215	11.17	567516	16.13	501402	18.64
OP14536-MS	208145	5.12	798627	6.30	449557	8.63	679707	11.17	544324	16.13	467442	18.64
OP14536-MSD	204678	5.12	798362	6.30	452795	8.63	691231	11.17	542437	16.13	455345	18.64
F35186-4	207965	5.12	805661	6.30	441071	8.63	681539	11.17	581617	16.13	522036	18.64
F35186-5	217617	5.12	827074	6.30	459960	8.63	686044	11.17	562137	16.12	524161	18.64
F35186-6	211825	5.12	790901	6.30	448662	8.63	684404	11.17	577037	16.12	523128	18.64
F35186-7	228158	5.12	881296	6.30	493120	8.63	751159	11.17	632344	16.13	565446	18.64
F35186-8	203995	5.12	788351	6.30	442943	8.63	678324	11.17	577276	16.12	527552	18.64
OP14511-MB	212286	5.12	830041	6.30	478248	8.63	732802	11.17	609644	16.13	549391	18.64
ZZZZZZ	207191	5.12	793200	6.30	449115	8.63	688348	11.17	584787	16.12	541476	18.64

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Insufficient sample for MS/MSD.

Semivolatile Surrogate Recovery Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F35186-1	F011666.D	44.0	27.0	86.0	78.0	75.0	78.0
F35186-2	F011667.D	42.0	27.0	93.0	80.0	79.0	82.0
F35186-3	F011668.D	46.0	28.0	86.0	82.0	79.0	80.0
F35186-4	F011671.D	38.0	24.0	87.0	71.0	69.0	83.0
F35186-5	F011672.D	38.0	23.0	80.0	75.0	71.0	72.0
F35186-6	F011673.D	38.0	23.0	82.0	77.0	72.0	74.0
F35186-7	F011674.D	43.0	28.0	91.0	84.0	79.0	80.0
F35186-8	F011675.D	40.0	25.0	80.0	74.0	71.0	78.0
OP14536-BS	F011664.D	54.0	35.0	87.0	85.0	80.0	83.0
OP14536-MB	F011665.D	51.0	33.0	79.0	77.0	73.0	78.0
OP14536-MS	F011669.D	66.0	49.0	84.0	85.0	81.0	82.0
OP14536-MSD	F011670.D	63.0	49.0	82.0	84.0	82.0	83.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	19-90%
S2 = Phenol-d5	10-68%
S3 = 2,4,6-Tribromophenol	36-137%
S4 = Nitrobenzene-d5	49-119%
S5 = 2-Fluorobiphenyl	45-118%
S6 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF625-ICC625
Lab FileID: F011390.D

Response Factor Report MS-F

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Sep 06 13:57:51 2005
Response via : Initial Calibration

Calibration Files
5 =F011387.D 25 =F011388.D 50 =F011389.D 75 =F011390.D
100 =F011391.D 125 =F011392.D icv =F011393.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.343	0.381	0.390	0.406	0.402	0.403		0.387	6.17
3) N-nitrosodimethyl	0.290	0.463	0.454	0.504	0.536	0.528		0.463	19.63
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9980									
Response Ratio = 0.00000 + 0.44523 *A + 0.02916 *A^2									
4) Pyridine	1.081	1.122	1.118	1.177	1.175	1.183		1.143	3.65
5) Benzaldehyde	1.022	1.026	0.996	0.968	0.933			0.989	3.95
6) Aniline	1.887	1.939	1.924	1.978	1.993	1.948		1.945	1.96
7)S 2-Fluorophenol	1.176	1.195	1.178	1.215	1.213	1.213		1.198	1.52
8) bis(2-Chloroethyl	1.036	1.127	1.103	1.130	1.112	1.113		1.103	3.14
9)S Phenol-d5	1.496	1.563	1.551	1.601	1.595	1.591		1.566	2.52
10)C Phenol	1.504	1.569	1.572	1.597	1.631	1.608		1.580	2.78
11) 2-Chlorophenol	1.307	1.387	1.386	1.437	1.429	1.430		1.396	3.52
12) 1,3-Dichlorobenze	1.453	1.490	1.462	1.485	1.475	1.467		1.472	0.96
13)C 1,4-Dichlorobenze	1.452	1.503	1.491	1.528	1.524	1.508		1.501	1.83
14) 1,2-Dichlorobenze	1.395	1.412	1.360	1.408	1.404	1.391		1.395	1.35
15) Benzyl alcohol	0.759	0.878	0.875	0.903	0.906	0.905		0.871	6.50
16) bis(2-chloroisopr	2.052	2.157	2.112	2.158	2.143	2.108		2.122	1.91
17) 2-Methylphenol	1.159	1.229	1.210	1.250	1.270	1.249		1.228	3.19
18) Acetophenone	1.717	1.762	1.694	1.703	1.698	1.722		1.716	1.45
19) Hexachloroethane	0.510	0.505	0.494	0.515	0.508	0.510		0.507	1.45
20)P N-Nitroso-di-n-pr	0.764	0.828	0.802	0.831	0.815	0.809		0.808	3.00
21) 3&4-Methylphenol	1.242	1.331	1.318	1.350	1.347	1.335		1.320	3.05
22) I Naphthalene-d8	ISTD								
23)S Nitrobenzene-d5	0.230	0.276	0.281	0.294	0.296	0.300		0.280	9.28
24) Nitrobenzene	0.246	0.279	0.275	0.290	0.288	0.290		0.278	6.07
25) Isophorone	0.532	0.575	0.564	0.567	0.568	0.558		0.560	2.70
26)C 2-Nitrophenol	0.123	0.158	0.173	0.184	0.190	0.192		0.170	15.36
---- Linear regr., Force(0,0) ---- Coefficient = 0.9989									
Response Ratio = 0.00000 + 0.18822 *A									
27) 2,4-Dimethylpheno	0.301	0.315	0.316	0.316	0.323	0.317		0.315	2.34
28) bis(2-Chloroethox	0.346	0.368	0.357	0.363	0.360	0.360		0.359	2.05
29) Benzoic Acid	0.083	0.175	0.217	0.242	0.250	0.266		0.205	32.95
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990									
Response Ratio = 0.00000 + 0.18445 *A + 0.02639 *A^2									
30)C 2,4-Dichloropheno	0.269	0.291	0.292	0.295	0.293	0.292		0.289	3.37
31) 1,2,4-Trichlorobe	0.283	0.294	0.287	0.293	0.287	0.288		0.289	1.52
32) Naphthalene	1.038	1.065	1.044	1.055	1.046	1.047		1.049	0.91
33) 4-Chloroaniline	0.437	0.474	0.465	0.467	0.468	0.462		0.462	2.80
34) 2,6-Dichloropheno	0.259	0.279	0.274	0.276	0.276	0.275		0.273	2.61
35)C Hexachlorobutadie	0.128	0.132	0.131	0.131	0.129	0.130		0.130	1.14
36) Caprolactam	0.187	0.191	0.185	0.187	0.190	0.193		0.189	1.58

Initial Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF625-ICC625
Lab FileID: F011390.D

37)C	4-Chloro-3-methyl	0.256	0.279	0.286	0.290	0.291	0.289	0.282	4.81
38)	2-Methylnaphthale	0.684	0.721	0.710	0.724	0.714	0.713	0.711	2.03
39)	1-Methylnaphthale	0.650	0.683	0.672	0.682	0.675	0.670	0.672	1.81
40)	1,2,4,5-Tetrachlo	0.273	0.282	0.279	0.283	0.279	0.275	0.278	1.41
41) I	Acenaphthene-d10	----------ISTD----------							
42)P	Hexachlorocyclope	0.167	0.228	0.240	0.261	0.268	0.273	0.240	16.59
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9985								
	Response Ratio = 0.00000 + 0.26658 *A								
43)C	2,4,6-Trichloroph	0.346	0.360	0.356	0.373	0.377	0.372	0.364	3.21
44)	2,4,5-Trichloroph	0.328	0.383	0.389	0.392	0.403	0.399	0.383	7.17
45)S	2-Fluorobiphenyl	1.319	1.360	1.317	1.340	1.359	1.335	1.338	1.39
46)	1,1'-Biphenyl	1.499	1.464	1.422	1.417	1.476	1.486	1.461	2.33
47)	2-Chloronaphthale	1.128	1.145	1.129	1.130	1.160	1.135	1.138	1.09
48)	2-Nitroaniline	0.174	0.263	0.280	0.293	0.308	0.309	0.271	18.69
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9989								
	Response Ratio = 0.00000 + 0.30290 *A								
49)	Acenaphthylene	1.902	2.018	1.977	2.023	2.028	2.016	1.994	2.43
50)	Dimethylphthalate	1.292	1.348	1.318	1.331	1.335	1.327	1.325	1.43
51)	2,6-Dinitrotoluen	0.161	0.264	0.284	0.304	0.314	0.313	0.273	21.35
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9992								
	Response Ratio = 0.00000 + 0.30883 *A								
52)C	Acenaphthene	1.086	1.130	1.115	1.131	1.143	1.136	1.123	1.85
53)	3-Nitroaniline	0.263	0.341	0.360	0.372	0.392	0.386	0.352	13.42
54)P	2,4-Dinitrophenol	0.036	0.063	0.086	0.114	0.138	0.149	0.098	44.80
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9977								
	Response Ratio = 0.00000 + 0.05299 *A + 0.03163 *A^2								
55)	Dibenzofuran	1.559	1.687	1.664	1.674	1.709	1.683	1.663	3.19
56)	2,4-Dinitrotoluen	0.173	0.296	0.348	0.372	0.390	0.393	0.329	25.58
	---- Linear regr., Force(0,0) ---- Coefficient = 0.9985								
	Response Ratio = 0.00000 + 0.38339 *A								
57)P	4-Nitrophenol	0.143	0.158	0.169	0.172	0.174		0.163	7.84
58)	2,3,4,6-Tetrachlo	0.230	0.262	0.273	0.285	0.296	0.288	0.272	8.78
59)	Fluorene	1.325	1.419	1.391	1.415	1.414	1.415	1.397	2.60
60)	4-Chlorophenyl-ph	0.551	0.590	0.565	0.579	0.585	0.572	0.574	2.49
61)	Diethylphthalate	1.305	1.370	1.348	1.363	1.364	1.340	1.348	1.77
62)	4-Nitroaniline	0.286	0.348	0.375	0.388	0.401	0.407	0.368	12.35
63) I	Phenanthrene-d10	----------ISTD----------							
64)	4,6-Dinitro-2-met	0.030	0.065	0.091	0.113	0.126	0.133	0.093	42.50
	---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9975								
	Response Ratio = 0.00000 + 0.06943 *A + 0.02114 *A^2								
65)C	n-Nitrosodiphenyl	0.627	0.645	0.633	0.660	0.658	0.635	0.643	2.14
66)	1,2-Diphenylhydra	0.660	0.685	0.663	0.689	0.692	0.669	0.676	2.06
67)S	2,4,6-Tribromophe	0.064	0.074	0.073	0.078	0.078	0.076	0.074	6.80
68)	4-Bromophenyl-phe	0.174	0.187	0.189	0.193	0.193	0.186	0.187	3.64
69)	Hexachlorobenzene	0.171	0.176	0.176	0.179	0.179	0.175	0.176	1.70
70)	Atrazine	0.201	0.224	0.222	0.219	0.223	0.220	0.218	3.96
71)C	Pentachlorophenol		0.103	0.114	0.123	0.127	0.125	0.118	8.31
72)	Phenanthrene	1.180	1.223	1.219	1.245	1.248	1.214	1.221	2.04
73)	Anthracene	1.206	1.269	1.234	1.263	1.275	1.245	1.249	2.05
74)	Carbazole	1.166	1.219	1.223	1.222	1.245	1.212	1.214	2.17
75)	Di-n-butylphthala	1.433	1.504	1.494	1.505	1.507	1.471	1.485	1.97
76)C	Fluoranthene	1.097	1.185	1.178	1.199	1.217	1.182	1.176	3.52

Initial Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF625-ICC625
Lab FileID: F011390.D

77) I	Chrysene-d12	----------ISTD----------							
78)	Benzidine	1.099	1.232	1.242	1.207	1.260	1.228	1.211	4.78
79)	Pyrene	1.501	1.593	1.598	1.655	1.601	1.588	1.589	3.14
80)S	Terphenyl-d14	0.860	0.926	0.929	0.945	0.922	0.905	0.915	3.26
81)	Butylbenzylphthal	0.756	0.821	0.848	0.873	0.857	0.838	0.832	4.94
82)	3,3'-Dichlorobenz	0.484	0.504	0.534	0.543	0.531	0.527	0.520	4.25
83)	Benzo[a]anthracen	1.246	1.308	1.315	1.374	1.356	1.338	1.323	3.40
84)	Chrysene	1.201	1.226	1.255	1.288	1.267	1.259	1.249	2.47
85)	bis(2-Ethylhexyl)	1.067	1.109	1.134	1.166	1.135	1.121	1.122	2.96
86) I	Perylene-d12	----------ISTD----------							
87)C	Di-n-octylphthala	2.081	2.234	2.197	2.220	2.177	2.149	2.176	2.56
88)	Benzo[b]fluoranth	1.277	1.376	1.356	1.392	1.388	1.371	1.360	3.14
89)	Benzo[k]fluoranth	1.247	1.391	1.360	1.343	1.319	1.334	1.332	3.63
90)C	Benzo[a]pyrene	1.226	1.332	1.321	1.341	1.326	1.325	1.312	3.24
91)	Indeno[1,2,3-cd]p	1.004	1.140	1.145	1.190	1.163	1.164	1.134	5.85
92)	Dibenz[a,h]anthra	1.022	1.145	1.135	1.215	1.202	1.193	1.152	6.20
93)	Benzo[g,h,i]peryl	1.158	1.237	1.217	1.251	1.217	1.212	1.215	2.62

(#) = Out of Range

8270C.M Wed Sep 07 09:31:53 2005

Initial Calibration Verification

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF625-ICV625
Lab FileID: F011393.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\090605\F011393.D Vial: 8
Acq On : 6 Sep 2005 1:13 pm Operator: marke
Sample : icv625-50 Inst : MS-F
Misc : op14272,sf625,30.0,,,1,1,soil Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Sep 06 13:57:51 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	102	0.00	5.21
2		1,4-Dioxane	50.000	50.663	-1.3	0	0.01	2.76
		---------- Amount	Calc.	%Drift	----------			
3		N-nitrosodimethylamine	50.000	48.512	3.0	0	0.00	3.04
		---------- Amount	Calc.	%Drift	----------			
4		Pyridine	50.000	46.500	7.0	0	0.00	3.08
5		Benzaldehyde	50.000	49.212	1.6	0	0.00	4.86
6		Aniline	50.000	49.706	0.6	0	0.00	4.94
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	54.250	-8.5	0	0.00	4.99
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	53.701	-7.4	0	0.00	4.91
11		2-Chlorophenol	50.000	53.215	-6.4	0	0.00	5.04
12		1,3-Dichlorobenzene	50.000	48.852	2.3	0	0.00	5.16
13	C	1,4-Dichlorobenzene	50.000	50.251	-0.5	0	0.00	5.22
14		1,2-Dichlorobenzene	50.000	50.537	-1.1	0	0.00	5.35
15		Benzyl alcohol	50.000	50.586	-1.2	0	0.00	5.32
16		bis(2-chloroisopropyl)eth	50.000	48.722	2.6	0	0.00	5.43
17		2-Methylphenol	50.000	50.432	-0.9	0	0.00	5.40
18		Acetophenone	50.000	49.160	1.7	0	0.00	5.55
19		Hexachloroethane	50.000	50.271	-0.5	0	0.00	5.65
20	P	N-Nitroso-di-n-propylamin	50.000	47.898	4.2	0	0.00	5.55
21		3&4-Methylphenol	100.000	99.617	0.4	0	0.00	5.54
22	I	Naphthalene-d8	40.000	40.000	0.0	102	0.00	6.40
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	49.881	0.2	0	0.00	5.70
25		Isophorone	50.000	49.775	0.5	0	0.00	5.93
		---------- Amount	Calc.	%Drift	----------			
26	C	2-Nitrophenol	50.000	50.834	-1.7	0	0.00	6.00
		---------- Amount	Calc.	%Drift	----------			
27		2,4-Dimethylphenol	50.000	46.729	6.5	0	0.00	6.03
28		bis(2-Chloroethoxy)methan	50.000	47.897	4.2	0	0.00	6.13
		---------- Amount	Calc.	%Drift	----------			
29		Benzoic Acid	100.000	98.007	2.0	0	0.00	6.16
		---------- Amount	Calc.	%Drift	----------			

Initial Calibration Verification

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF625-ICV625
Lab FileID: F011393.D

30	C	2,4-Dichlorophenol	50.000	52.913	-5.8	0	0.00	6.24
31		1,2,4-Trichlorobenzene	50.000	48.830	2.3	0	0.00	6.34
32		Naphthalene	50.000	47.677	4.6	0	0.00	6.43
33		4-Chloroaniline	50.000	41.388	17.2	0	0.00	6.48
34		2,6-Dichlorophenol	50.000	51.274	-2.5	0	0.00	6.48
35	C	Hexachlorobutadiene	50.000	49.437	1.1	0	0.00	6.55
36		Caprolactam	50.000	47.236	5.5	0	-0.02	6.88
37	C	4-Chloro-3-methylphenol	50.000	52.159	-4.3	0	0.00	7.04
38		2-Methylnaphthalene	50.000	48.882	2.2	0	0.00	7.25
39		1-Methylnaphthalene	50.000	48.496	3.0	0	0.00	7.38
40		1,2,4,5-Tetrachlorobenzen	50.000	47.942	4.1	0	0.00	7.47
41	I	Acenaphthene-d10	40.000	40.000	0.0	101	0.00	8.75
		---------- Amount	Calc.	%Drift	----------			
42	P	Hexachlorocyclopentadiene	50.000	48.036	3.9	0	0.00	7.45
		---------- Amount	Calc.	%Drift	----------			
43	C	2,4,6-Trichlorophenol	50.000	52.469	-4.9	0	0.00	7.62
44		2,4,5-Trichlorophenol	50.000	50.703	-1.4	0	0.00	7.67
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	49.456	1.1	0	0.00	7.89
47		2-Chloronaphthalene	50.000	49.050	1.9	0	0.00	7.92
		---------- Amount	Calc.	%Drift	----------			
48		2-Nitroaniline	50.000	46.799	6.4	0	0.00	8.07
		---------- Amount	Calc.	%Drift	----------			
49		Acenaphthylene	50.000	47.008	6.0	0	0.00	8.54
50		Dimethylphthalate	50.000	50.438	-0.9	0	-0.01	8.36
		---------- Amount	Calc.	%Drift	----------			
51		2,6-Dinitrotoluene	50.000	45.764	8.5	0	0.00	8.45
		---------- Amount	Calc.	%Drift	----------			
52	C	Acenaphthene	50.000	49.770	0.5	0	0.00	8.81
53		3-Nitroaniline	50.000	39.997	20.0#	0	-0.01	8.70
		---------- Amount	Calc.	%Drift	----------			
54	P	2,4-Dinitrophenol	100.000	107.646	-7.6	0	0.00	8.88
		---------- Amount	Calc.	%Drift	----------			
55		Dibenzofuran	50.000	47.638	4.7	0	0.00	9.09
		---------- Amount	Calc.	%Drift	----------			
56		2,4-Dinitrotoluene	50.000	47.179	5.6	0	0.00	9.09
		---------- Amount	Calc.	%Drift	----------			
57	P	4-Nitrophenol	100.000	100.759	-0.8	0	0.00	9.00
58		2,3,4,6-Tetrachlorophenol	50.000	50.639	-1.3	0	0.00	9.29
59		Fluorene	50.000	48.722	2.6	0	0.00	9.66
60		4-Chlorophenyl-phenylethe	50.000	51.568	-3.1	0	0.00	9.69
61		Diethylphthalate	50.000	50.849	-1.7	0	0.00	9.54
62		4-Nitroaniline	50.000	47.367	5.3	0	-0.01	9.72
63	I	Phenanthrene-d10	40.000	40.000	0.0	100	0.00	11.30
		---------- Amount	Calc.	%Drift	----------			
64		4,6-Dinitro-2-methylpheno	100.000	109.393	-9.4	0	0.00	9.78

Initial Calibration Verification

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF625-ICV625
Lab FileID: F011393.D

			Amount	Calc.	%Drift			
65	C	n-Nitrosodiphenylamine	50.000	49.994	0.0	0	0.00	9.90
66		1,2-Diphenylhydrazine	50.000	50.681	-1.4	0	0.00	9.96
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	51.739	-3.5	0	0.00	10.54
69		Hexachlorobenzene	50.000	49.103	1.8	0	0.00	10.60
70		Atrazine	50.000	50.458	-0.9	0	0.00	10.91
71	C	Pentachlorophenol	100.000	111.377	-11.4	0	0.00	10.97
72		Phenanthrene	50.000	49.542	0.9	0	0.00	11.35
73		Anthracene	50.000	49.608	0.8	0	0.00	11.44
74		Carbazole	50.000	47.997	4.0	0	0.00	11.77
75		Di-n-butylphthalate	50.000	49.270	1.5	0	0.00	12.55
76	C	Fluoranthene	50.000	49.092	1.8	0	0.00	13.55
77	I	Chrysene-d12	40.000	40.000	0.0	101	0.00	16.27
78		Benzidine		----------NA----------				
79		Pyrene	50.000	49.911	0.2	0	0.00	13.96
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	48.614	2.8	0	0.00	15.38
82		3,3'-Dichlorobenzidine		----------NA----------				
83		Benzo[a]anthracene	50.000	49.099	1.8	0	0.00	16.25
84		Chrysene	50.000	48.503	3.0	0	0.00	16.32
85		bis(2-Ethylhexyl)phthalat	50.000	48.795	2.4	0	0.00	16.56
86	I	Perylene-d12	40.000	40.000	0.0	90	0.00	18.78
87	C	Di-n-octylphthalate	50.000	52.996	-6.0	0	0.00	17.76
88		Benzo[b]fluoranthene	50.000	49.884	0.2	0	-0.01	18.17
89		Benzo[k]fluoranthene	50.000	49.664	0.7	0	-0.01	18.22
90	C	Benzo[a]pyrene	50.000	48.652	2.7	0	-0.01	18.69
91		Indeno[1,2,3-cd]pyrene	50.000	48.369	3.3	0	-0.01	20.40
92		Dibenz[a,h]anthracene	50.000	46.888	6.2	0	-0.01	20.44
93		Benzo[g,h,i]perylene	50.000	46.806	6.4	0	-0.02	20.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F011393.D 8270C.M Wed Sep 07 09:32:33 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF640-CC625
Lab FileID: F011659.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\092705\F011659.D Vial: 2
Acq On : 27 Sep 2005 1:29 pm Operator: nareshj
Sample : cc625-50 Inst : MS-F
Misc : op14437,sf640,30.0,,,1,1,soil Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Thu Sep 22 13:57:03 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	-0.02	5.12
2		1,4-Dioxane	0.387	0.427	-10.3	123	-0.05	2.66
			Amount	Calc.	%Drift			
3		N-nitrosodimethylamine	50.000	47.810	4.4	114	-0.04	2.96
			AvgRF	CCRF	%Dev			
4		Pyridine	1.143	1.193	-4.4	120	-0.03	3.00
5		Benzaldehyde	0.989	0.904	8.6	102	-0.02	4.77
6		Aniline	1.945	2.161	-11.1	126	-0.02	4.85
7	S	2-Fluorophenol	1.198	1.291	-7.8	123	-0.02	4.11
8		bis(2-Chloroethyl)ether	1.103	1.161	-5.3	118	-0.02	4.91
9	S	Phenol-d5	1.566	1.739	-11.0	126	-0.01	4.83
10	C	Phenol	1.580	1.756	-11.1	126	-0.01	4.84
11		2-Chlorophenol	1.396	1.521	-9.0	123	-0.02	4.95
12		1,3-Dichlorobenzene	1.472	1.592	-8.2	122	-0.02	5.07
13	C	1,4-Dichlorobenzene	1.501	1.619	-7.9	122	-0.02	5.13
14		1,2-Dichlorobenzene	1.395	1.514	-8.5	125	-0.02	5.26
15		Benzyl alcohol	0.871	0.961	-10.3	124	-0.01	5.23
16		bis(2-chloroisopropyl)eth	2.122	1.974	7.0	105	-0.02	5.34
17		2-Methylphenol	1.228	1.366	-11.2	127	-0.01	5.32
18		Acetophenone	1.716	1.850	-7.8	123	-0.02	5.46
19		Hexachloroethane	0.507	0.539	-6.3	123	-0.02	5.55
20	P	N-Nitroso-di-n-propylamin	0.808	0.848	-5.0	119	-0.02	5.45
21		3&4-Methylphenol	1.320	1.448	-9.7	123	-0.01	5.45
22	I	Naphthalene-d8	1.000	1.000	0.0	113	-0.02	6.30
23	S	Nitrobenzene-d5	0.280	0.319	-13.9	128	-0.02	5.60
24		Nitrobenzene	0.278	0.300	-7.9	123	-0.02	5.61
25		Isophorone	0.560	0.574	-2.5	115	-0.02	5.83
			Amount	Calc.	%Drift			
26	C	2-Nitrophenol	50.000	55.763	-11.5	137	-0.02	5.91
			AvgRF	CCRF	%Dev			
27		2,4-Dimethylphenol	0.315	0.335	-6.3	120	-0.01	5.94
28		bis(2-Chloroethoxy)methan	0.359	0.377	-5.0	119	-0.02	6.04
			Amount	Calc.	%Drift			
29		Benzoic Acid	50.000	61.777	-23.6#	145	-0.03	6.05
			AvgRF	CCRF	%Dev			

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF640-CC625
Lab FileID: F011659.D

30	C	2,4-Dichlorophenol	0.289	0.315	-9.0	122	-0.01	6.15
31		1,2,4-Trichlorobenzene	0.289	0.306	-5.9	120	-0.02	6.23
32		Naphthalene	1.049	1.134	-8.1	122	-0.02	6.32
33		4-Chloroaniline	0.462	0.498	-7.8	121	-0.02	6.38
34		2,6-Dichlorophenol	0.273	0.304	-11.4	125	-0.01	6.39
35	C	Hexachlorobutadiene	0.130	0.136	-4.6	117	-0.02	6.45
36		Caprolactam	0.189	0.177	6.3	108	-0.03	6.78
37	C	4-Chloro-3-methylphenol	0.282	0.306	-8.5	121	0.00	6.94
38		2-Methylnaphthalene	0.711	0.768	-8.0	122	-0.02	7.14
39		1-Methylnaphthalene	0.672	0.723	-7.6	121	-0.02	7.26
40		1,2,4,5-Tetrachlorobenzen	0.278	0.297	-6.8	120	-0.02	7.35
41	I	Acenaphthene-d10	1.000	1.000	0.0	112	-0.03	8.64
			Amount	Calc.	%Drift			
42	P	Hexachlorocyclopentadiene	50.000	48.414	3.2	120	-0.04	7.34
			AvgRF	CCRF	%Dev			
43	C	2,4,6-Trichlorophenol	0.364	0.395	-8.5	124	-0.03	7.51
44		2,4,5-Trichlorophenol	0.383	0.423	-10.4	121	-0.02	7.56
45	S	2-Fluorobiphenyl	1.338	1.418	-6.0	120	-0.04	7.63
46		1,1'-Biphenyl	1.461	1.605	-9.9	126	-0.03	7.78
47		2-Chloronaphthalene	1.138	1.224	-7.6	121	-0.04	7.80
			Amount	Calc.	%Drift			
48		2-Nitroaniline	50.000	52.336	-4.7	126	-0.03	7.95
			AvgRF	CCRF	%Dev			
49		Acenaphthylene	1.994	2.157	-8.2	122	-0.03	8.41
50		Dimethylphthalate	1.325	1.366	-3.1	116	-0.04	8.25
			Amount	Calc.	%Drift			
51		2,6-Dinitrotoluene	50.000	54.187	-8.4	132	-0.03	8.34
			AvgRF	CCRF	%Dev			
52	C	Acenaphthene	1.123	1.179	-5.0	118	-0.03	8.68
53		3-Nitroaniline	0.352	0.412	-17.0	128	-0.03	8.59
			Amount	Calc.	%Drift			
54	P	2,4-Dinitrophenol	50.000	85.603	-71.2#	269	-0.03	8.76
			AvgRF	CCRF	%Dev			
55		Dibenzofuran	1.663	1.791	-7.7	120	-0.03	8.97
			Amount	Calc.	%Drift			
56		2,4-Dinitrotoluene	50.000	57.597	-15.2	142	-0.03	8.97
			AvgRF	CCRF	%Dev			
57	P	4-Nitrophenol	0.163	0.171	-4.9	120	-0.01	8.89
58		2,3,4,6-Tetrachlorophenol	0.272	0.301	-10.7	123	-0.02	9.18
59		Fluorene	1.397	1.497	-7.2	120	-0.03	9.53
60		4-Chlorophenyl-phenylethe	0.574	0.623	-8.5	123	-0.02	9.57
61		Diethylphthalate	1.348	1.313	2.6	109	-0.03	9.42
62		4-Nitroaniline	0.368	0.435	-18.2	129	-0.02	9.60
63	I	Phenanthrene-d10	1.000	1.000	0.0	111	-0.03	11.17
			Amount	Calc.	%Drift			
64		4,6-Dinitro-2-methylpheno	50.000	77.713	-55.4#	209	-0.03	9.66

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SF640-CC625
Lab FileID: F011659.D

			AvgRF	CCRF	%Dev			
65	C	n-Nitrosodiphenylamine	0.643	0.684	-6.4	120	-0.03	9.78
66		1,2-Diphenylhydrazine	0.676	0.707	-4.6	118	-0.04	9.84
67	S	2,4,6-Tribromophenol	0.074	0.083	-12.2	126	-0.04	9.95
68		4-Bromophenyl-phenylether	0.187	0.199	-6.4	117	-0.03	10.42
69		Hexachlorobenzene	0.176	0.187	-6.3	117	-0.03	10.47
70		Atrazine	0.218	0.225	-3.2	112	-0.03	10.77
71	C	Pentachlorophenol	0.118	0.131	-11.0	127	-0.03	10.84
72		Phenanthrene	1.221	1.314	-7.6	119	-0.03	11.22
73		Anthracene	1.249	1.355	-8.5	122	-0.03	11.31
74		Carbazole	1.214	1.317	-8.5	119	-0.02	11.64
75		Di-n-butylphthalate	1.485	1.472	0.9	109	-0.02	12.41
76	C	Fluoranthene	1.176	1.286	-9.4	121	-0.01	13.41
77	I	Chrysene-d12	1.000	1.000	0.0	115	-0.04	16.13
78		Benzidine	1.211	1.191	1.7	111	-0.05	13.75
79		Pyrene	1.589	1.696	-6.7	123	-0.05	13.82
80	S	Terphenyl-d14	0.915	0.982	-7.3	122	-0.05	14.22
81		Butylbenzylphthalate	0.832	0.819	1.6	112	-0.04	15.25
82		3,3'-Dichlorobenzidine	0.520	0.569	-9.4	123	-0.03	16.15
83		Benzo[a]anthracene	1.323	1.444	-9.1	127	-0.04	16.12
84		Chrysene	1.249	1.372	-9.8	126	-0.04	16.19
85		bis(2-Ethylhexyl)phthalat	1.122	1.107	1.3	113	-0.03	16.43
86	I	Perylene-d12	1.000	1.000	0.0	118	-0.04	18.64
87	C	Di-n-octylphthalate	2.176	2.132	2.0	114	-0.05	17.62
88		Benzo[b]fluoranthene	1.360	1.498	-10.1	130	-0.05	18.03
89		Benzo[k]fluoranthene	1.332	1.455	-9.2	126	-0.05	18.08
90	C	Benzo[a]pyrene	1.312	1.425	-8.6	127	-0.04	18.56
91		Indeno[1,2,3-cd]pyrene	1.134	1.219	-7.5	125	-0.05	20.25
92		Dibenz[a,h]anthracene	1.152	1.218	-5.7	126	-0.04	20.30
93		Benzo[g,h,i]perylene	1.215	1.288	-6.0	125	-0.05	20.62

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F011389.D 8270C.M Tue Sep 27 15:58:48 2005

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3792-MB	EF054964.D	1	09/30/05	TD	n/a	n/a	GEF3792

The QC reported here applies to the following samples: **Method:** EPA 601/602

F35186-1, F35186-2, F35186-3, F35186-4, F35186-5, F35186-6, F35186-7, F35186-8, F35186-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	71-130%
98-08-8	aaa-Trifluorotoluene	99%	71-124%

Method Blank Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3794-MB	EF055004.D	1	10/03/05	TD	n/a	n/a	GEF3794

The QC reported here applies to the following samples: **Method:** EPA 601/602

F35186-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	71-130%
98-08-8	aaa-Trifluorotoluene	102%	71-124%

Method Blank Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3794-MB	EF055004.D	1	10/03/05	TD	n/a	n/a	GEF3794

The QC reported here applies to the following samples: **Method:** SW846 8021B

F35186-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	71-130%
98-08-8	aaa-Trifluorotoluene	102%	71-124%

Blank Spike Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3792-BS	EF054963.D	1	09/30/05	TD	n/a	n/a	GEF3792

The QC reported here applies to the following samples: **Method:** EPA 601/602

F35186-1, F35186-2, F35186-3, F35186-4, F35186-5, F35186-6, F35186-7, F35186-8, F35186-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	17.4	87	81-121
108-90-7	Chlorobenzene	20	17.9	90	76-120
95-50-1	1,2-Dichlorobenzene	20	15.7	79	63-127
541-73-1	1,3-Dichlorobenzene	20	17.9	90	70-124
106-46-7	1,4-Dichlorobenzene	20	16.6	83	68-121
100-41-4	Ethylbenzene	20	17.4	87	79-124
1634-04-4	Methyl Tert Butyl Ether	20	16.6	83	73-118
108-88-3	Toluene	20	17.2	86	79-122
1330-20-7	Xylenes (total)	60	51.8	86	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	71-130%
98-08-8	aaa-Trifluorotoluene	101%	71-124%

Blank Spike Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3794-BS	EF055003.D	1	10/03/05	TD	n/a	n/a	GEF3794

The QC reported here applies to the following samples: **Method:** EPA 601/602

F35186-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1330-20-7	Xylenes (total)	60	51.3	86	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	71-130%
98-08-8	aaa-Trifluorotoluene	103%	71-124%

Blank Spike Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3794-BS	EF055003.D	1	10/03/05	TD	n/a	n/a	GEF3794

The QC reported here applies to the following samples: **Method:** SW846 8021B

F35186-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1330-20-7	Xylenes (total)	60	51.3	86	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	71-130%
98-08-8	aaa-Trifluorotoluene	103%	71-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F35181-1MS	EF054976.D	1	09/30/05	TD	n/a	n/a	GEF3792
F35181-1MSD	EF054977.D	1	09/30/05	TD	n/a	n/a	GEF3792
F35181-1 [a]	EF054975.D	1	09/30/05	TD	n/a	n/a	GEF3792

The QC reported here applies to the following samples: **Method:** EPA 601/602

F35186-1, F35186-2, F35186-3, F35186-4, F35186-5, F35186-6, F35186-7, F35186-8, F35186-9

CAS No.	Compound	F35181-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0 U		20	18.0	90	17.7	89	2	74-126/11
108-90-7	Chlorobenzene	1.0 U		20	18.5	93	17.9	90	3	72-124/8
95-50-1	1,2-Dichlorobenzene	0.64	I	20	17.2	83	17.6	85	2	55-136/13
541-73-1	1,3-Dichlorobenzene	1.0 U		20	18.7	94	18.6	93	1	65-132/16
106-46-7	1,4-Dichlorobenzene	1.0 U		20	17.2	86	17.1	86	1	61-133/11
100-41-4	Ethylbenzene	1.0 U		20	18.0	90	17.5	88	3	71-131/8
1634-04-4	Methyl Tert Butyl Ether	1.0 U		20	16.7	84	16.6	83	1	63-130/11
108-88-3	Toluene	1.0 U		20	17.8	89	17.4	87	2	69-132/7
1330-20-7	Xylenes (total)	3.0 U		60	53.5	89	52.2	87	2	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F35181-1	Limits
460-00-4	4-Bromofluorobenzene	98%	98%	96%	71-130%
98-08-8	aaa-Trifluorotoluene	103%	104%	99%	71-124%

(a) All hits confirmed by dual column analysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F35189-5MS	EF055011.D	1	10/03/05	TD	n/a	n/a	GEF3794
F35189-5MSD	EF055012.D	1	10/03/05	TD	n/a	n/a	GEF3794
F35189-5	EF055010.D	1	10/03/05	TD	n/a	n/a	GEF3794

The QC reported here applies to the following samples: **Method:** EPA 601/602

F35186-6

CAS No.	Compound	F35189-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1330-20-7	Xylenes (total)	1.5	I	60	54.4	88	53.7	87	1	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F35189-5	Limits
460-00-4	4-Bromofluorobenzene	100%	100%	99%	71-130%
98-08-8	aaa-Trifluorotoluene	106%	106%	105%	71-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F35189-5MS	EF055011.D	1	10/03/05	TD	n/a	n/a	GEF3794
F35185-2MSD	EF055039.D	1	10/04/05	TD	n/a	n/a	GEF3794
F35185-2 [a]	EF055035.D	1	10/04/05	TD	n/a	n/a	GEF3794

The QC reported here applies to the following samples: **Method:** SW846 8021B

F35186-6

CAS No.	Compound	F35185-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1330-20-7	Xylenes (total)	1.1	J	60	54.4	88	50.8	83	1	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F35185-2	Limits
460-00-4	4-Bromofluorobenzene	100%	98%	86%	71-130%
98-08-8	aaa-Trifluorotoluene	106%	98%	89%	71-124%

(a) Confirmation run.

Volatile Surrogate Recovery Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F35186-1	EF054980.D	95.0	99.0
F35186-2	EF054988.D	78.0	73.0
F35186-3	EF054981.D	89.0	92.0
F35186-4	EF054982.D	94.0	98.0
F35186-5	EF054983.D	94.0	100.0
F35186-6	EF054984.D	99.0	113.0
F35186-6	EF055014.D	100.0	108.0
F35186-7	EF054989.D	90.0	89.0
F35186-8	EF054986.D	89.0	93.0
F35186-8	EF054938.D	82.0	82.0
F35186-9	EF054987.D	88.0	92.0
F35181-1MS	EF054976.D	98.0	103.0
F35181-1MSD	EF054977.D	98.0	104.0
F35189-5MS	EF055011.D	100.0	106.0
F35189-5MSD	EF055012.D	100.0	106.0
GEF3792-BS	EF054963.D	96.0	101.0
GEF3792-MB	EF054964.D	95.0	99.0
GEF3794-BS	EF055003.D	100.0	103.0
GEF3794-MB	EF055004.D	100.0	102.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	71-130%
S2 = aaa-Trifluorotoluene	71-124%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3790-CC3783	**Injection Date:**	09/29/05
Lab File ID:	EF054933.D	**Injection Time:**	08:19
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.62	10.82	5.68	5.81

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
F35186-8	EF054938.D	09/29/05	10:22		10.83		5.81
F35186-8MS	EF054939.D	09/29/05	10:46		10.83		5.81
F35186-8MSD	EF054940.D	09/29/05	11:10		10.83		5.81
GEF3790-ECC3781	EF054942.D	09/29/05	11:59	10.65	10.85	5.68	5.81

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3792-CC3783	**Injection Date:**	09/30/05
Lab File ID:	EF054962.D	**Injection Time:**	10:10
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.83	5.81

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF3792-BS	EF054963.D	09/30/05	10:35	10.83	5.81
GEF3792-MB	EF054964.D	09/30/05	11:00	10.85	5.81
ZZZZZZ	EF054965.D	09/30/05	12:09	10.83	5.81
ZZZZZZ	EF054967.D	09/30/05	12:58	10.83	5.81
ZZZZZZ	EF054968.D	09/30/05	13:23	10.83	5.81
ZZZZZZ	EF054972.D	09/30/05	15:30	10.83	5.81
ZZZZZZ	EF054973.D	09/30/05	15:54	10.83	5.81

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3792-CC3783	**Injection Date:**	09/30/05
Lab File ID:	EF054974.D	**Injection Time:**	16:19
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.84	5.81

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F35181-1	EF054975.D	09/30/05	16:58	10.83	5.81
F35181-1MS	EF054976.D	09/30/05	17:23	10.83	5.81
F35181-1MSD	EF054977.D	09/30/05	17:48	10.83	5.81
ZZZZZZ	EF054978.D	09/30/05	18:12	10.83	5.81
ZZZZZZ	EF054979.D	09/30/05	18:37	10.83	5.81
F35186-1	EF054980.D	09/30/05	19:02	10.83	5.81
F35186-3	EF054981.D	09/30/05	19:26	10.83	5.81
F35186-4	EF054982.D	09/30/05	19:51	10.83	5.81
F35186-5	EF054983.D	09/30/05	20:16	10.83	5.81
F35186-6	EF054984.D	09/30/05	20:40	10.84	5.81

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3792-CC3783	**Injection Date:**	09/30/05
Lab File ID:	EF054985.D	**Injection Time:**	21:04
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.63	10.83	5.68	5.81

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
F35186-8	EF054986.D	09/30/05	21:29		10.83		5.81
F35186-9	EF054987.D	09/30/05	21:54		10.83		5.81
F35186-2	EF054988.D	09/30/05	22:21		10.83		5.81
F35186-7	EF054989.D	09/30/05	22:48		10.83		5.81
GEF3793-BS	EF054990.D	09/30/05	23:13		10.83		5.81
GEF3793-MB	EF054991.D	09/30/05	23:37		10.83		5.81
ZZZZZZ	EF054992.D	10/01/05	00:02		10.83		5.81
F35067-6	EF054993.D	10/01/05	00:26		10.83		5.81
F35067-6MS	EF054994.D	10/01/05	00:50		10.83		5.81
F35067-6MSD	EF054995.D	10/01/05	01:15		10.83		5.81
ZZZZZZ	EF054996.D	10/01/05	01:42		10.83		5.81
ZZZZZZ	EF054997.D	10/01/05	02:10		10.83		5.81
ZZZZZZ	EF054998.D	10/01/05	02:37		10.83		5.81
GEF3793-ECC3781	EF055000.D	10/01/05	03:26	10.65	10.85	5.68	5.81

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3794-CC3783	**Injection Date:**	10/03/05
Lab File ID:	EF055002.D	**Injection Time:**	14:50
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.83	5.81

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF3794-BS	EF055003.D	10/03/05	15:14	10.83	5.82
GEF3794-BS	EF055003.D	10/03/05	15:14	10.83	5.82
GEF3794-MB	EF055004.D	10/03/05	15:39	10.85	5.81
GEF3794-MB	EF055004.D	10/03/05	15:39	10.85	5.81
ZZZZZZ	EF055006.D	10/03/05	17:06	10.83	5.81
ZZZZZZ	EF055007.D	10/03/05	17:31	10.83	5.81
ZZZZZZ	EF055008.D	10/03/05	17:56	10.83	5.81
ZZZZZZ	EF055009.D	10/03/05	18:20	10.83	5.82
F35189-5	EF055010.D	10/03/05	18:45	10.83	5.81
F35189-5MS	EF055011.D	10/03/05	19:10	10.83	5.81
F35189-5MSD	EF055012.D	10/03/05	19:34	10.83	5.81
ZZZZZZ	EF055013.D	10/03/05	19:59	10.83	5.81
F35186-6	EF055014.D	10/03/05	20:23	10.83	5.81

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3795-CC3783	**Injection Date:**	10/04/05
Lab File ID:	EF055037.D	**Injection Time:**	05:47
Instrument ID:	GCEF	**Method:**	SW846 8021B

	S1 [a] RT	S2 [a] RT
Check Std	10.83	5.81

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
F35185-2MS	EF055038.D	10/04/05	06:12	10.83	5.81
F35185-2MSD	EF055039.D	10/04/05	06:37	10.83	5.81

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3783-ICC3783
Lab FileID: EF054748.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Initial Calibration

Calibration Files
1 =EF054745.D 5 =EF054746.D 20 =EF054747.D 40 =EF054748.D
70 =EF054749.D 100 =EF054750.D

		Compound	1	5	20	40	70	100	Avg		%RSD
1)		Methyl tert Butyl E	1.400	1.649	1.447	1.419	1.372	1.388	1.446	E3	7.13
2)		Di-Isopropyl ether	2.145	2.599	2.251	2.221	2.137	2.125	2.246	E3	8.00
3)		Benzene	5.326	6.503	5.581	5.538	5.390	5.359	5.616	E3	7.95
4)	S	a,a,a-TFT(S)	1.676	1.690	1.728	1.755	1.623	1.346	1.636	E3	9.11
5)		Toluene	5.013	5.774	4.984	4.926	4.772	4.738	5.035	E3	7.53
6)		Chlorobenzene	4.435	5.517	4.746	4.797	4.587	4.555	4.773	E3	8.12
7)		Ethylbenzene	3.897	4.938	4.251	4.136	4.047	3.986	4.209	E3	8.96
8)		m,p-Xylene	4.418	5.356	4.639	4.582	4.419	4.369	4.630	E3	8.00
9)		o-Xylene	3.853	4.698	4.042	4.017	3.888	3.822	4.053	E3	8.10
10)	S	BFB(S)	3.727	3.761	3.847	3.884	3.758	2.970	3.658	E3	9.35
11)		1,3-Dichlorobenzene	3.292	3.952	3.414	3.380	3.394	3.289	3.454	E3	7.23
12)		1,4-Dichlorobenzene	3.726	4.443	3.824	3.799	3.848	3.737	3.896	E3	6.99
13)		1,2-Dichlorobenzene	2.030	2.410	2.093	2.038	2.163	2.051	2.131	E3	6.83

Signal #2

1)		Methyl tert Butyl E	1.407	1.702	1.515	1.514	1.454	1.472	1.511	E3	6.75
2)		Di-Isopropyl ether	2.054	2.561	2.276	2.264	2.153	2.148	2.243	E3	7.87
3)		Benzene	5.273	6.574	5.765	5.724	5.567	5.503	5.734	E3	7.80
4)	S	a,a,a-TFT(S)	1.657	1.685	1.761	1.780	1.652	1.363	1.650	E3	9.10
5)		Toluene	5.147	5.896	5.184	5.127	4.932	4.900	5.198	E3	6.96
6)		Chlorobenzene	4.689	5.826	5.148	5.004	4.797	4.771	5.039	E3	8.35
7)		Ethylbenzene	4.213	5.275	4.586	4.493	4.347	4.282	4.533	E3	8.57
8)		m,p-Xylene	4.715	5.779	5.002	4.926	4.784	4.660	4.977	E3	8.29
9)		o-Xylene	3.851	4.793	4.217	4.144	4.010	3.926	4.157	E3	8.17
10)	S	BFB(S)	4.046	4.184	4.242	4.303	4.096		4.174	E3	2.51
11)		1,3-Dichlorobenzene	3.283	3.993	3.536	3.489	3.493	3.381	3.529	E3	6.95
12)		1,4-Dichlorobenzene	3.614	4.368	3.823	3.753	3.802	3.678	3.840	E3	7.05
13)		1,2-Dichlorobenzene	2.100	2.499	2.221	2.170	2.281	2.168	2.240	E3	6.28

(#) = Out of Range

DUAL0923.M Fri Sep 23 09:22:48 2005

Initial Calibration Verification

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3783-ICV3783
Lab FileID: EF054751.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092205\EF054751.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\092205\EF054751.D\FID2B.CH
Acq On : 22 Sep 2005 7:56 pm Operator: Trangd
Sample : icv3783-20 Inst : VOA1
Misc : gc5422,gef3783,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	19.160	4.2	96	0.00	2.84- 3.04
2		Di-Isopropyl ether	20.000	19.890	0.5	99	0.00	3.29- 3.49
3		Benzene	20.000	19.879	0.6	100	0.00	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.853	-4.3	99	0.00	5.57- 5.77
5		Toluene	20.000	19.859	0.7	100	0.00	6.97- 7.17
6		Chlorobenzene	20.000	19.844	0.8	100	0.00	8.80- 9.00
7		Ethylbenzene	20.000	19.965	0.2	99	0.00	9.14- 9.34
8		m,p-Xylene	40.000	40.494	-1.2	101	0.00	9.45- 9.65
9		o-Xylene	20.000	20.403	-2.0	102	0.00	9.99-10.19
10	S	BFB(S)	20.000	20.980	-4.9	100	0.00	10.49-10.79
11		1,3-Dichlorobenzene	20.000	21.394	-7.0	108	0.00	12.41-12.61
12		1,4-Dichlorobenzene	20.000	21.260	-6.3	108	0.00	12.52-12.72
13		1,2-Dichlorobenzene	20.000	22.212	-11.1	113	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	18.500	7.5	92	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	19.770	1.2	97	0.00	3.22- 3.42
3		Benzene	20.000	20.014	-0.1	100	0.00	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	20.457	-2.3	96	0.00	5.70- 5.90
5		Toluene	20.000	19.802	1.0	99	0.00	6.94- 7.14
6		Chlorobenzene	20.000	19.838	0.8	97	0.00	8.93- 9.13
7		Ethylbenzene	20.000	20.064	-0.3	99	0.00	9.13- 9.33
8		m,p-Xylene	40.000	40.291	-0.7	100	0.00	9.31- 9.51
9		o-Xylene	20.000	20.774	-3.9	102	0.00	9.91-10.11
10	S	BFB(S)	20.000	20.394	-2.0	100	0.00	10.69-10.99
11		1,3-Dichlorobenzene	20.000	21.508	-7.5	107	0.00	12.50-12.70
12		1,4-Dichlorobenzene	20.000	21.415	-7.1	108	0.00	12.65-12.85
13		1,2-Dichlorobenzene	20.000	22.604	-13.0	114	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054747.D DUAL0923.M Fri Sep 23 09:22:30 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3790-CC3783
Lab FileID: EF054933.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092805\EF054933.D\FID1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA\092805\EF054933.D\FID2B.CH
Acq On : 29 Sep 2005 8:19 am Operator: Trangd
Sample : CC3783-20 Inst : VOA1
Misc : gc5456,gef3790,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	19.059	4.7	95	0.00	2.84- 3.04
2		Di-Isopropyl ether	20.000	19.288	3.6	96	0.00	3.29- 3.49
3		Benzene	20.000	19.112	4.4	96	0.00	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.637	-3.2	98	0.00	5.57- 5.77
5		Toluene	20.000	19.393	3.0	98	0.00	6.97- 7.17
6		Chlorobenzene	20.000	19.753	1.2	99	-0.01	8.80- 9.00
7		Ethylbenzene	20.000	19.816	0.9	98	-0.02	9.14- 9.34
8		m,p-Xylene	40.000	39.506	1.2	99	-0.02	9.45- 9.65
9		o-Xylene	20.000	20.092	-0.5	101	-0.02	9.99-10.19
10	S	BFB(S)	20.000	20.658	-3.3	98	-0.02	10.49-10.79
11		1,3-Dichlorobenzene	20.000	19.972	0.1	101	-0.01	12.41-12.61
12		1,4-Dichlorobenzene	20.000	19.905	0.5	101	-0.01	12.52-12.72
13		1,2-Dichlorobenzene	20.000	19.752	1.2	101	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	17.757	11.2	89	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	18.552	7.2	91	0.00	3.22- 3.42
3		Benzene	20.000	18.628	6.9	93	0.00	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	19.861	0.7	93	0.00	5.70- 5.90
5		Toluene	20.000	18.778	6.1	94	0.00	6.94- 7.14
6		Chlorobenzene	20.000	18.976	5.1	93	-0.01	8.93- 9.13
7		Ethylbenzene	20.000	19.286	3.6	95	-0.02	9.13- 9.33
8		m,p-Xylene	40.000	38.592	3.5	96	-0.02	9.31- 9.51
9		o-Xylene	20.000	19.832	0.8	98	-0.02	9.91-10.11
10	S	BFB(S)	20.000	19.575	2.1	96	-0.01	10.69-10.99
11		1,3-Dichlorobenzene	20.000	19.730	1.3	98	0.00	12.50-12.70
12		1,4-Dichlorobenzene	20.000	19.456	2.7	98	0.00	12.65-12.85
13		1,2-Dichlorobenzene	20.000	19.571	2.1	99	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054747.D DUAL0923.M Thu Sep 29 13:18:13 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3790-ECC3783
Lab FileID: EF054942.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092905\EF054942.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\092905\EF054942.D\FID2B.CH
Acq On : 29 Sep 2005 1:15 pm Operator: Trangd
Sample : CC3783-40 Inst : VOA1
Misc : gc5456,gef3791,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	36.465	8.8	93	0.00	2.84- 3.04
2		Di-Isopropyl ether	40.000	36.387	9.0	92	0.00	3.29- 3.49
3		Benzene	40.000	35.065	12.3	89	0.01	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.841	-4.2	97	0.01	5.57- 5.77
5		Toluene	40.000	35.027	12.4	89	0.01	6.97- 7.17
6		Chlorobenzene	40.000	37.448	6.4	93	0.00	8.80- 9.00
7		Ethylbenzene	40.000	36.179	9.6	92	0.00	9.14- 9.34
8		m,p-Xylene	80.000	73.165	8.5	92	0.00	9.45- 9.65
9		o-Xylene	40.000	36.187	9.5	91	0.00	9.99-10.19
10	S	BFB(S)	20.000	20.797	-4.0	98	0.00	10.49-10.79
11		1,3-Dichlorobenzene	40.000	38.673	3.3	99	0.00	12.41-12.61
12		1,4-Dichlorobenzene	40.000	36.738	8.2	94	0.00	12.52-12.72
13		1,2-Dichlorobenzene	40.000	37.366	6.6	98	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	34.532	13.7	86	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	34.910	12.7	86	0.00	3.22- 3.42
3		Benzene	40.000	33.893	15.3#	85	0.00	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	19.952	0.2	92	0.00	5.70- 5.90
5		Toluene	40.000	33.798	15.5#	86	0.01	6.94- 7.14
6		Chlorobenzene	40.000	36.765	8.1	93	0.00	8.93- 9.13
7		Ethylbenzene	40.000	35.128	12.2	89	0.00	9.13- 9.33
8		m,p-Xylene	80.000	71.175	11.0	90	0.00	9.31- 9.51
9		o-Xylene	40.000	35.406	11.5	89	0.00	9.91-10.11
10	S	BFB(S)	20.000	19.778	1.1	96	0.00	10.69-10.99
11		1,3-Dichlorobenzene	40.000	38.078	4.8	96	0.00	12.50-12.70
12		1,4-Dichlorobenzene	40.000	35.765	10.6	91	0.00	12.65-12.85
13		1,2-Dichlorobenzene	40.000	36.706	8.2	95	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054748.D DUAL0923.M Fri Sep 30 12:40:23 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3792-CC3783
Lab FileID: EF054962.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\093005\EF054962.D\FID1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\093005\EF054962.D\FID2B.CH
Acq On : 30 Sep 2005 10:10 am Operator: Trangd
Sample : CC3783-20 Inst : VOA1
Misc : gc5456,gef3792,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.301	8.5	91	0.00	2.84- 3.04
2		Di-Isopropyl ether	20.000	19.001	5.0	95	0.01	3.29- 3.49
3		Benzene	20.000	18.724	6.4	94	0.01	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.241	-1.2	96	0.01	5.57- 5.77
5		Toluene	20.000	18.659	6.7	94	0.02	6.97- 7.17
6		Chlorobenzene	20.000	19.857	0.7	100	0.00	8.80- 9.00
7		Ethylbenzene	20.000	19.139	4.3	95	0.00	9.14- 9.34
8		m,p-Xylene	40.000	38.837	2.9	97	0.00	9.45- 9.65
9		o-Xylene	20.000	19.024	4.9	95	0.00	9.99-10.19
10	S	BFB(S)	20.000	20.635	-3.2	98	0.00	10.49-10.79
11		1,3-Dichlorobenzene	20.000	20.095	-0.5	102	0.00	12.41-12.61
12		1,4-Dichlorobenzene	20.000	18.901	5.5	96	0.00	12.52-12.72
13		1,2-Dichlorobenzene	20.000	18.033	9.8	92	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	17.524	12.4	87	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	18.179	9.1	90	0.00	3.22- 3.42
3		Benzene	20.000	18.014	9.9	90	0.01	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	19.339	3.3	91	0.01	5.70- 5.90
5		Toluene	20.000	18.027	9.9	90	0.02	6.94- 7.14
6		Chlorobenzene	20.000	18.942	5.3	93	0.00	8.93- 9.13
7		Ethylbenzene	20.000	18.538	7.3	92	0.00	9.13- 9.33
8		m,p-Xylene	40.000	37.438	6.4	93	0.00	9.31- 9.51
9		o-Xylene	20.000	18.693	6.5	92	0.00	9.91-10.11
10	S	BFB(S)	20.000	19.439	2.8	96	0.00	10.69-10.99
11		1,3-Dichlorobenzene	20.000	19.800	1.0	99	0.00	12.50-12.70
12		1,4-Dichlorobenzene	20.000	18.245	8.8	92	0.00	12.65-12.85
13		1,2-Dichlorobenzene	20.000	17.615	11.9	89	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054747.D DUAL0923.M Mon Oct 03 12:04:50 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3792-CC3783
Lab FileID: EF054974.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\093005\EF054974.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\093005\EF054974.D\FID2B.CH
Acq On : 30 Sep 2005 4:19 pm Operator: Trangd
Sample : CC3783-40 Inst : VOA1
Misc : gc5456,gef3792,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	40.355	-0.9	103	0.00	2.84- 3.04
2		Di-Isopropyl ether	40.000	39.996	0.0	101	0.00	3.29- 3.49
3		Benzene	40.000	37.384	6.5	95	0.00	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	21.034	-5.2	98	0.00	5.57- 5.77
5		Toluene	40.000	37.138	7.2	95	0.01	6.97- 7.17
6		Chlorobenzene	40.000	37.623	5.9	94	0.00	8.80- 9.00
7		Ethylbenzene	40.000	37.760	5.6	96	0.00	9.14- 9.34
8		m,p-Xylene	80.000	75.286	5.9	95	0.00	9.45- 9.65
9		o-Xylene	40.000	37.850	5.4	95	0.00	9.99-10.19
10	S	BFB(S)	20.000	20.862	-4.3	98	0.00	10.49-10.79
11		1,3-Dichlorobenzene	40.000	38.285	4.3	98	0.00	12.41-12.61
12		1,4-Dichlorobenzene	40.000	38.242	4.4	98	0.00	12.52-12.72
13		1,2-Dichlorobenzene	40.000	37.066	7.3	97	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	39.903	0.2	100	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	39.652	0.9	98	0.00	3.22- 3.42
3		Benzene	40.000	36.864	7.8	92	0.00	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	20.651	-3.3	96	0.00	5.70- 5.90
5		Toluene	40.000	36.132	9.7	92	0.01	6.94- 7.14
6		Chlorobenzene	40.000	36.821	7.9	93	0.00	8.93- 9.13
7		Ethylbenzene	40.000	36.953	7.6	93	0.00	9.13- 9.33
8		m,p-Xylene	80.000	73.417	8.2	93	0.00	9.31- 9.51
9		o-Xylene	40.000	37.361	6.6	94	0.00	9.91-10.11
10	S	BFB(S)	20.000	19.781	1.1	96	0.00	10.69-10.99
11		1,3-Dichlorobenzene	40.000	37.656	5.9	95	0.00	12.50-12.70
12		1,4-Dichlorobenzene	40.000	37.284	6.8	95	0.00	12.65-12.85
13		1,2-Dichlorobenzene	40.000	36.572	8.6	94	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054748.D DUAL0923.M Mon Oct 03 12:05:25 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3792-CC3783
Lab FileID: EF054985.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\093005\EF054985.D\FID1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA\093005\EF054985.D\FID2B.CH
Acq On : 30 Sep 2005 9:04 pm Operator: Trangd
Sample : CC3783-20 Inst : VOA1
Misc : gc5456,gef3792,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.780	6.1	94	0.00	2.84- 3.04
2		Di-Isopropyl ether	20.000	19.069	4.7	95	0.00	3.29- 3.49
3		Benzene	20.000	18.329	8.4	92	0.00	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.353	-1.8	96	0.00	5.57- 5.77
5		Toluene	20.000	18.360	8.2	93	0.01	6.97- 7.17
6		Chlorobenzene	20.000	19.226	3.9	97	0.00	8.80- 9.00
7		Ethylbenzene	20.000	18.779	6.1	93	-0.01	9.14- 9.34
8		m,p-Xylene	40.000	38.366	4.1	96	-0.01	9.45- 9.65
9		o-Xylene	20.000	19.125	4.4	96	-0.01	9.99-10.19
10	S	BFB(S)	20.000	20.317	-1.6	97	0.00	10.49-10.79
11		1,3-Dichlorobenzene	20.000	19.711	1.4	100	0.00	12.41-12.61
12		1,4-Dichlorobenzene	20.000	18.216	8.9	93	0.00	12.52-12.72
13		1,2-Dichlorobenzene	20.000	18.772	6.1	96	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	17.461	12.7	87	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	18.247	8.8	90	0.00	3.22- 3.42
3		Benzene	20.000	17.789	11.1	88	0.01	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	19.296	3.5	90	0.01	5.70- 5.90
5		Toluene	20.000	17.672	11.6	89	0.01	6.94- 7.14
6		Chlorobenzene	20.000	18.397	8.0	90	0.00	8.93- 9.13
7		Ethylbenzene	20.000	18.282	8.6	90	0.00	9.13- 9.33
8		m,p-Xylene	40.000	37.111	7.2	92	0.00	9.31- 9.51
9		o-Xylene	20.000	18.691	6.5	92	0.00	9.91-10.11
10	S	BFB(S)	20.000	19.268	3.7	95	0.00	10.69-10.99
11		1,3-Dichlorobenzene	20.000	19.356	3.2	97	0.00	12.50-12.70
12		1,4-Dichlorobenzene	20.000	17.940	10.3	90	0.00	12.65-12.85
13		1,2-Dichlorobenzene	20.000	18.747	6.3	95	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054747.D DUAL0923.M Mon Oct 03 12:04:51 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3793-ECC3783
Lab FileID: EF055000.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\093005\EF055000.D\FID1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA\093005\EF055000.D\FID2B.CH
Acq On : 1 Oct 2005 3:26 am Operator: Trangd
Sample : ECC3783-40 Inst : VOA1
Misc : gc5436,gef3793,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	35.994	10.0	92	0.00	2.84- 3.04
2		Di-Isopropyl ether	40.000	37.774	5.6	96	0.00	3.29- 3.49
3		Benzene	40.000	36.055	9.9	91	0.00	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.594	-3.0	96	0.00	5.57- 5.77
5		Toluene	40.000	35.585	11.0	91	0.01	6.97- 7.17
6		Chlorobenzene	40.000	35.588	11.0	89	0.01	8.80- 9.00
7		Ethylbenzene	40.000	35.935	10.2	91	0.01	9.14- 9.34
8		m,p-Xylene	80.000	73.126	8.6	92	0.01	9.45- 9.65
9		o-Xylene	40.000	36.306	9.2	92	0.01	9.99-10.19
10	S	BFB(S)	20.000	20.360	-1.8	96	0.01	10.49-10.79
11		1,3-Dichlorobenzene	40.000	35.919	10.2	92	0.01	12.41-12.61
12		1,4-Dichlorobenzene	40.000	36.333	9.2	93	0.01	12.52-12.72
13		1,2-Dichlorobenzene	40.000	33.366	16.6#	87	0.01	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	34.806	13.0	87	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	36.969	7.6	92	0.00	3.22- 3.42
3		Benzene	40.000	35.314	11.7	88	0.01	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	20.238	-1.2	94	0.00	5.70- 5.90
5		Toluene	40.000	34.365	14.1	87	0.01	6.94- 7.14
6		Chlorobenzene	40.000	34.365	14.1	87	0.01	8.93- 9.13
7		Ethylbenzene	40.000	35.189	12.0	89	0.01	9.13- 9.33
8		m,p-Xylene	80.000	70.578	11.8	89	0.01	9.31- 9.51
9		o-Xylene	40.000	35.643	10.9	89	0.01	9.91-10.11
10	S	BFB(S)	20.000	19.199	4.0	93	0.02	10.69-10.99
11		1,3-Dichlorobenzene	40.000	35.200	12.0	89	0.01	12.50-12.70
12		1,4-Dichlorobenzene	40.000	34.290	14.3	88	0.01	12.65-12.85
13		1,2-Dichlorobenzene	40.000	32.367	19.1#	84	0.01	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054748.D DUAL0923.M Mon Oct 03 12:05:25 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3794-CC3783
Lab FileID: EF055002.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100305\EF055002.D\FID1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\100305\EF055002.D\FID2B.CH
Acq On : 3 Oct 2005 2:50 pm Operator: Trangd
Sample : CC3783-40 Inst : VOA1
Misc : gc5456,gef3794,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	41.847	-4.6	107	0.00	2.84- 3.04
2		Di-Isopropyl ether	40.000	43.620	-9.0	110	0.01	3.29- 3.49
3		Benzene	40.000	40.904	-2.3	104	0.01	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	19.182	4.1	89	0.01	5.57- 5.77
5		Toluene	40.000	40.539	-1.3	104	0.02	6.97- 7.17
6		Chlorobenzene	40.000	41.487	-3.7	103	0.00	8.80- 9.00
7		Ethylbenzene	40.000	41.424	-3.6	105	0.00	9.14- 9.34
8		m,p-Xylene	80.000	83.056	-3.8	105	0.00	9.45- 9.65
9		o-Xylene	40.000	42.052	-5.1	106	0.00	9.99-10.19
10	S	BFB(S)	20.000	19.918	0.4	94	0.00	10.49-10.79
11		1,3-Dichlorobenzene	40.000	44.029	-10.1	112	0.00	12.41-12.61
12		1,4-Dichlorobenzene	40.000	43.642	-9.1	112	0.00	12.52-12.72
13		1,2-Dichlorobenzene	40.000	44.058	-10.1	115	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	42.039	-5.1	105	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	43.767	-9.4	108	0.00	3.22- 3.42
3		Benzene	40.000	40.686	-1.7	102	0.01	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	18.957	5.2	88	0.01	5.70- 5.90
5		Toluene	40.000	40.269	-0.7	102	0.02	6.94- 7.14
6		Chlorobenzene	40.000	41.309	-3.3	104	0.00	8.93- 9.13
7		Ethylbenzene	40.000	40.823	-2.1	103	0.00	9.13- 9.33
8		m,p-Xylene	80.000	82.312	-2.9	104	0.00	9.31- 9.51
9		o-Xylene	40.000	41.752	-4.4	105	0.00	9.91-10.11
10	S	BFB(S)	20.000	19.290	3.6	94	0.00	10.69-10.99
11		1,3-Dichlorobenzene	40.000	43.928	-9.8	111	0.00	12.50-12.70
12		1,4-Dichlorobenzene	40.000	43.310	-8.3	111	0.00	12.65-12.85
13		1,2-Dichlorobenzene	40.000	43.431	-8.6	112	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054748.D DUAL0923.M Tue Oct 04 13:24:38 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3794-CC3783
Lab FileID: EF055015.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100305\EF055015.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\100305\EF055015.D\FID2B.CH
Acq On : 3 Oct 2005 8:48 pm Operator: Trangd
Sample : CC3783-40 Inst : VOA1
Misc : gc5473,gef3794,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	38.056	4.9	97	0.00	2.84- 3.04
2		Di-Isopropyl ether	40.000	39.567	1.1	100	0.01	3.29- 3.49
3		Benzene	40.000	37.543	6.1	95	0.01	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.835	-4.2	97	0.01	5.57- 5.77
5		Toluene	40.000	37.477	6.3	96	0.01	6.97- 7.17
6		Chlorobenzene	40.000	38.331	4.2	95	0.00	8.80- 9.00
7		Ethylbenzene	40.000	37.993	5.0	97	0.00	9.14- 9.34
8		m,p-Xylene	80.000	76.247	4.7	96	0.00	9.45- 9.65
9		o-Xylene	40.000	38.167	4.6	96	0.00	9.99-10.19
10	S	BFB(S)	20.000	21.057	-5.3	99	0.00	10.49-10.79
11		1,3-Dichlorobenzene	40.000	37.986	5.0	97	0.00	12.41-12.61
12		1,4-Dichlorobenzene	40.000	38.124	4.7	98	0.00	12.52-12.72
13		1,2-Dichlorobenzene	40.000	35.327	11.7	92	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	37.639	5.9	94	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	40.072	-0.2	99	0.00	3.22- 3.42
3		Benzene	40.000	37.670	5.8	94	0.01	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	20.643	-3.2	96	0.01	5.70- 5.90
5		Toluene	40.000	36.877	7.8	93	0.01	6.94- 7.14
6		Chlorobenzene	40.000	37.727	5.7	95	0.00	8.93- 9.13
7		Ethylbenzene	40.000	37.606	6.0	95	0.00	9.13- 9.33
8		m,p-Xylene	80.000	75.339	5.8	95	0.00	9.31- 9.51
9		o-Xylene	40.000	38.049	4.9	95	0.00	9.91-10.11
10	S	BFB(S)	20.000	20.011	-0.1	97	0.00	10.69-10.99
11		1,3-Dichlorobenzene	40.000	38.264	4.3	97	0.00	12.50-12.70
12		1,4-Dichlorobenzene	40.000	37.501	6.2	96	0.00	12.65-12.85
13		1,2-Dichlorobenzene	40.000	35.467	11.3	92	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054748.D DUAL0923.M Tue Oct 04 13:24:39 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3795-CC3783
Lab FileID: EF055037.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100305\EF055037.D\FID1A.CH Vial: 35
Signal #2 : C:\HPCHEM\1\DATA\100305\EF055037.D\FID2B.CH
Acq On : 4 Oct 2005 5:47 am Operator: Trangd
Sample : CC3783-40 Inst : VOA1
Misc : gc5474,gef3795,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	32.287	19.3#	82	0.00	2.84- 3.04
2		Di-Isopropyl ether	40.000	34.851	12.9	88	0.00	3.29- 3.49
3		Benzene	40.000	33.674	15.8#	85	0.00	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	18.911	5.4	88	0.00	5.57- 5.77
5		Toluene	40.000	33.596	16.0#	86	0.01	6.97- 7.17
6		Chlorobenzene	40.000	35.023	12.4	87	0.00	8.80- 9.00
7		Ethylbenzene	40.000	34.723	13.2	88	0.00	9.14- 9.34
8		m,p-Xylene	80.000	71.226	11.0	90	-0.01	9.45- 9.65
9		o-Xylene	40.000	35.552	11.1	90	-0.01	9.99-10.19
10	S	BFB(S)	20.000	19.613	1.9	92	-0.01	10.49-10.79
11		1,3-Dichlorobenzene	40.000	35.115	12.2	90	0.00	12.41-12.61
12		1,4-Dichlorobenzene	40.000	35.478	11.3	91	0.00	12.52-12.72
13		1,2-Dichlorobenzene	40.000	31.757	20.6#	83	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	31.760	20.6#	79	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	34.795	13.0	86	0.00	3.22- 3.42
3		Benzene	40.000	33.449	16.4#	84	0.00	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	18.924	5.4	88	0.00	5.70- 5.90
5		Toluene	40.000	33.336	16.7#	84	0.01	6.94- 7.14
6		Chlorobenzene	40.000	34.790	13.0	88	0.00	8.93- 9.13
7		Ethylbenzene	40.000	35.403	11.5	89	0.00	9.13- 9.33
8		m,p-Xylene	80.000	72.687	9.1	92	0.00	9.31- 9.51
9		o-Xylene	40.000	36.464	8.8	91	-0.01	9.91-10.11
10	S	BFB(S)	20.000	19.287	3.6	94	0.00	10.69-10.99
11		1,3-Dichlorobenzene	40.000	35.961	10.1	91	0.00	12.50-12.70
12		1,4-Dichlorobenzene	40.000	35.866	10.3	92	0.00	12.65-12.85
13		1,2-Dichlorobenzene	40.000	32.582	18.5#	84	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054748.D DUAL0923.M Wed Oct 05 08:58:35 2005

Continuing Calibration Summary

Job Number: F35186
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3795-CC3783
Lab FileID: EF055048.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\100305\EF055048.D\FID1A.CH Vial: 45
Signal #2 : C:\HPCHEM\1\DATA\100305\EF055048.D\FID2B.CH
Acq On : 4 Oct 2005 10:24 am Operator: Trangd
Sample : CC3783-20 Inst : VOA1
Misc : gc5474,gef3795,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	17.752	11.2	89	0.00	2.84- 3.04
2		Di-Isopropyl ether	20.000	18.739	6.3	93	0.00	3.29- 3.49
3		Benzene	20.000	17.527	12.4	88	0.00	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	19.911	0.4	94	0.00	5.57- 5.77
5		Toluene	20.000	18.484	7.6	93	0.01	6.97- 7.17
6		Chlorobenzene	20.000	17.732	11.3	89	0.00	8.80- 9.00
7		Ethylbenzene	20.000	17.952	10.2	89	0.00	9.14- 9.34
8		m,p-Xylene	40.000	37.229	6.9	93	-0.01	9.45- 9.65
9		o-Xylene	20.000	18.603	7.0	93	-0.01	9.99-10.19
10	S	BFB(S)	20.000	20.546	-2.7	98	0.00	10.49-10.79
11		1,3-Dichlorobenzene	20.000	18.097	9.5	92	0.00	12.41-12.61
12		1,4-Dichlorobenzene	20.000	17.875	10.6	91	0.00	12.52-12.72
13		1,2-Dichlorobenzene	20.000	17.395	13.0	89	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	16.980	15.1#	85	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	18.405	8.0	91	0.00	3.22- 3.42
3		Benzene	20.000	17.393	13.0	87	0.01	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	19.265	3.7	90	0.01	5.70- 5.90
5		Toluene	20.000	18.104	9.5	91	0.01	6.94- 7.14
6		Chlorobenzene	20.000	17.272	13.6	85	0.00	8.93- 9.13
7		Ethylbenzene	20.000	17.766	11.2	88	0.00	9.13- 9.33
8		m,p-Xylene	40.000	36.471	8.8	91	0.00	9.31- 9.51
9		o-Xylene	20.000	18.720	6.4	92	0.00	9.91-10.11
10	S	BFB(S)	20.000	19.566	2.2	96	0.00	10.69-10.99
11		1,3-Dichlorobenzene	20.000	17.854	10.7	89	0.00	12.50-12.70
12		1,4-Dichlorobenzene	20.000	18.026	9.9	91	0.00	12.65-12.85
13		1,2-Dichlorobenzene	20.000	17.361	13.2	88	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054747.D DUAL0923.M Tue Oct 04 13:25:42 2005

Southeast ACCUTEST Laboratories

01/11/06

Technical Report for

EEI

Camp Lejeune-Bldg 645

Accutest Job Number: F35279

Sampling Date: 09/27/05

Report to:

EEI

bmorris@eeimail.com

ATTN: Bill Morris

Total number of pages in report: **56**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

EEI

Job No: F35279

Camp Lejeune-Bldg 645

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F35279-1	09/27/05	09:50	BS	09/28/05	AQ	Ground Water	UST645-MW22
F35279-2	09/27/05	10:25	BS	09/28/05	AQ	Ground Water	UST645-MW23
F35279-3	09/27/05	11:25	BS	09/28/05	AQ	Ground Water	UST645-MW18
F35279-4	09/27/05	13:30	BS	09/28/05	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: EEI **Job No:** F35279

Site: Camp Lejeune-Bldg 645 **Report Date:** 10/21/2005 1:45:46

3 Samples and 1 Trip Blank were collected on 09/27/2005 and were received at Accutest on 09/28/2005 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F35279. 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.

Extractables by GCMS by Method EPA 625

Matrix: AQ **Batch ID:** OP14605

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 F35279-2MS, F35279-2MSD were used as the QC samples indicated.

Volatiles by GC by Method EPA 601/602

Matrix: AQ **Batch ID:** GEF3802

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F35279-1MS, F35279-1MSD were used as the QC samples indicated.

F35279-3: All hits confirmed by dual column analysis.

F35279-1: All hits confirmed by dual column analysis.

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: October 21, 2005

Ellen Pampel, Inorganic QA (signature on file)

Friday, October 21, 2005

Report of Analysis

Client Sample ID: UST645-MW22
Lab Sample ID: F35279-1
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/27/05
Date Received: 09/28/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L028017.D	1	10/06/05	ME	10/04/05	OP14605	SL1469
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	2.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	2.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.6	2.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	2.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	28	11	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	5.6	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	2.2	ug/l	
100-02-7	4-Nitrophenol	ND	28	11	ug/l	
87-86-5	Pentachlorophenol	ND	28	11	ug/l	
108-95-2	Phenol	ND	5.6	2.2	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	2.2	ug/l	
83-32-9	Acenaphthene	ND	5.6	1.1	ug/l	
208-96-8	Acenaphthylene	ND	5.6	1.1	ug/l	
120-12-7	Anthracene	ND	5.6	1.1	ug/l	
92-87-5	Benzidine	ND	28	17	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.6	1.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.6	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.6	1.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.6	2.2	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.6	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	1.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.6	2.2	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	1.1	ug/l	
106-47-8	4-Chloroaniline	ND	11	4.4	ug/l	
218-01-9	Chrysene	ND	5.6	1.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	1.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	2.2	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	1.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.6	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.6	1.1	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.6	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.6	1.1	ug/l	

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

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F35279-1	**Date Sampled:**	09/27/05
Matrix:	AQ - Ground Water	**Date Received:**	09/28/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.6	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.6	2.2	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.6	2.2	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	11	5.6	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.6	2.2	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.6	2.2	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.6	2.8	ug/l	
84-66-2	Diethyl phthalate	ND	5.6	2.2	ug/l	
131-11-3	Dimethyl phthalate	ND	5.6	2.2	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.6	2.8	ug/l	
206-44-0	Fluoranthene	ND	5.6	1.1	ug/l	
86-73-7	Fluorene	ND	5.6	1.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.6	1.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.6	2.2	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.6	2.2	ug/l	
67-72-1	Hexachloroethane	ND	5.6	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.6	2.2	ug/l	
78-59-1	Isophorone	ND	5.6	1.1	ug/l	
91-20-3	Naphthalene	ND	5.6	1.1	ug/l	
98-95-3	Nitrobenzene	ND	5.6	1.1	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.6	2.2	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	2.2	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	2.2	ug/l	
85-01-8	Phenanthrene	ND	5.6	1.1	ug/l	
129-00-0	Pyrene	ND	5.6	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		19-90%
4165-62-2	Phenol-d5	28%		10-68%
118-79-6	2,4,6-Tribromophenol	81%		36-137%
4165-60-0	Nitrobenzene-d5	66%		49-119%
321-60-8	2-Fluorobiphenyl	74%		45-118%
1718-51-0	Terphenyl-d14	75%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW22		
Lab Sample ID:	F35279-1	**Date Sampled:**	09/27/05
Matrix:	AQ - Ground Water	**Date Received:**	09/28/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW22		
Lab Sample ID:	F35279-1	**Date Sampled:**	09/27/05
Matrix:	AQ - Ground Water	**Date Received:**	09/28/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EF055207.D	1	10/10/05	TD	n/a	n/a	GEF3802
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.4	1.0	0.50	ug/l	
108-88-3	Toluene	0.82	1.0	0.50	ug/l	J
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		71-130%
98-08-8	aaa-Trifluorotoluene	94%		71-124%

(a) All hits confirmed by dual column analysis.

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

Report of Analysis

Client Sample ID: UST645-MW23
Lab Sample ID: F35279-2
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/27/05
Date Received: 09/28/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L028018.D	1	10/06/05	ME	10/04/05	OP14605	SL1469
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F35279-2	**Date Sampled:**	09/27/05
Matrix:	AQ - Ground Water	**Date Received:**	09/28/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		19-90%
4165-62-2	Phenol-d5	25%		10-68%
118-79-6	2,4,6-Tribromophenol	84%		36-137%
4165-60-0	Nitrobenzene-d5	73%		49-119%
321-60-8	2-Fluorobiphenyl	78%		45-118%
1718-51-0	Terphenyl-d14	79%		46-135%

CAS No.	Tentatively Identified Compounds [a]	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		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:	UST645-MW23		
Lab Sample ID:	F35279-2	**Date Sampled:**	09/27/05
Matrix:	AQ - Ground Water	**Date Received:**	09/28/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) No TICs detected.

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

Report of Analysis

Client Sample ID:	UST645-MW23		
Lab Sample ID:	F35279-2	**Date Sampled:**	09/27/05
Matrix:	AQ - Ground Water	**Date Received:**	09/28/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF055208.D	1	10/10/05	TD	n/a	n/a	GEF3802
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		71-130%
98-08-8	aaa-Trifluorotoluene	97%		71-124%

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

Report of Analysis

Client Sample ID: UST645-MW18
Lab Sample ID: F35279-3
Matrix: AQ - Ground Water
Method: EPA 625 EPA 625
Project: Camp Lejeune-Bldg 645

Date Sampled: 09/27/05
Date Received: 09/28/05
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L028021.D	1	10/06/05	ME	10/04/05	OP14605	SL1469
Run #2							

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

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.8	1.9	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	1.9	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	4.8	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	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	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	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	1.9	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	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	

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

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F35279-3	**Date Sampled:**	09/27/05
Matrix:	AQ - Ground Water	**Date Received:**	09/28/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	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	2.4	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	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	4.9	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	4.8	1.9	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	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	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		19-90%
4165-62-2	Phenol-d5	25%		10-68%
118-79-6	2,4,6-Tribromophenol	79%		36-137%
4165-60-0	Nitrobenzene-d5	68%		49-119%
321-60-8	2-Fluorobiphenyl	72%		45-118%
1718-51-0	Terphenyl-d14	75%		46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
590-36-3	2-Pentanol, 2-methyl-	2.74	28	ug/l	JN
77-74-7	3-Pentanol, 3-methyl-	2.93	24	ug/l	JN

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F35279-3	**Date Sampled:**	09/27/05
Matrix:	AQ - Ground Water	**Date Received:**	09/28/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

ABN PPL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
108-88-3	Toluene	3.04	96	ug/l	JN
1462-03-9	Cyclopentanol, 1-methyl-	3.29	12	ug/l	JN
625-23-0	2-Hexanol, 2-methyl-	3.62	11	ug/l	JN
597-96-6	3-Hexanol, 3-methyl-	3.71	23	ug/l	JN
100-41-4	Ethylbenzene	3.86	130	ug/l	JN
108-38-3	Benzene, 1,3-dimethyl-	4.11	58	ug/l	JN
625-25-2	2-Heptanol, 2-methyl-	4.37	5.4	ug/l	JN
5582-82-1	3-Heptanol, 3-methyl-	4.44	5.1	ug/l	JN
496-11-7	Indane	5.09	43	ug/l	JN
673-32-5	Benzene, 1-propynyl-	5.16	6.8	ug/l	JN
610-72-0	Benzoic acid, 2,5-dimethyl-	7.14	6.6	ug/l	JN
10544-50-0	Cyclic octaatomic sulfur	13.14	5.3	ug/l	JN
	Total TIC, Semi-Volatile		454.2	ug/l	J

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

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

Report of Analysis

Client Sample ID:	UST645-MW18		
Lab Sample ID:	F35279-3	**Date Sampled:**	09/27/05
Matrix:	AQ - Ground Water	**Date Received:**	09/28/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF055209.D	1	10/10/05	TD	n/a	n/a	GEF3802
Run #2 [a]	EF055244.D	5	10/11/05	TD	n/a	n/a	GEF3802

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

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	49.0	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	273 [b]	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND [b]	5.0	2.5	ug/l	
108-88-3	Toluene	259 [b]	5.0	2.5	ug/l	
1330-20-7	Xylenes (total)	281	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%	97%	71-130%
98-08-8	aaa-Trifluorotoluene	101%	101%	71-124%

(a) All hits confirmed by dual column analysis.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F35279-4	**Date Sampled:**	09/27/05
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/28/05
Method:	EPA 601/602	**Percent Solids:**	n/a
Project:	Camp Lejeune-Bldg 645		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF055210.D	1	10/10/05	TD	n/a	n/a	GEF3802
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		71-130%
98-08-8	aaa-Trifluorotoluene	96%		71-124%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F35279
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Engineering + Environment
ADDRESS: 824 Eastbranch rd Suite 5
CITY: Jacksonville STATE: NC ZIP: 28540
SEND REPORT TO:
PHONE # 910-989-3214

FACILITY INFORMATION

PROJECT NAME: BLD 645
LOCATION:
PROJECT NO.:
FAX # 910-989-3241

ANALYTICAL INFORMATION

602 625 w/10 TICs

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

LAB USE ONLY

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION MeOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	602	625 w/10 TICs
1	UST645-MW22	9/27/05	9:50	BS	GW	5	X				X	3	2
2	UST645-MW23	9/27/05	10:25	BS	GW	5	X				X	3	2
3	UST645-MW18	9/27/05	11:25	BS	GW	5	X				X	3	2
4	Trip Blank	9/27/05	13:30										

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [x] OTHER (SPECIFY) NCCSG 4

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:
1. Bob Sellers	9/27/05 13:30	1. FX
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
5.		5.

RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
2. FX	9-28-05	2. Susan Brown
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
4.		4.

SEAL # | PRESERVE WHERE APPLICABLE ☐ | ON ICE ☐ | TEMPERATURE 2.4 C

F35279: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F35279 CLIENT: Eng. + Enviro. PROJECT: Bld 645

DATE/TIME RECEIVED: 9-28-05 / 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

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

AIRBILL NUMBERS: Client Courier

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] NO COC RECEIVED
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] 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 PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] 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(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE [signature] 9-28-05 TECHNICIAN SIGNATURE/DATE [signature]

ASBD06/22/05

4.1 4

F35279: Chain of Custody
Page 2 of 2

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14605-MB	L028015.D	1	10/06/05	ME	10/04/05	OP14605	SL1469

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

F35279-1, F35279-2, F35279-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	2.0	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	2.0	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	5.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	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	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	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	2.0	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	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	

Method Blank Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14605-MB	L028015.D	1	10/06/05	ME	10/04/05	OP14605	SL1469

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

F35279-1, F35279-2, F35279-3

CAS No.	Compound	Result	RL	MDL	Units	Q
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	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	2.5	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	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
62-75-9	N-Nitrosodimethylamine	ND	5.0	2.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	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	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	48%	19-90%
4165-62-2	Phenol-d5	33%	10-68%
118-79-6	2,4,6-Tribromophenol	82%	36-137%
4165-60-0	Nitrobenzene-d5	70%	49-119%
321-60-8	2-Fluorobiphenyl	77%	45-118%
1718-51-0	Terphenyl-d14	81%	46-135%

Method Blank Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14605-MB	L028015.D	1	10/06/05	ME	10/04/05	OP14605	SL1469

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

F35279-1, F35279-2, F35279-3

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14605-BS	L028014.D	1	10/06/05	ME	10/04/05	OP14605	SL1469

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

F35279-1, F35279-2, F35279-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	40.3	81	62-103
59-50-7	4-Chloro-3-methyl phenol	50	41.5	83	64-103
120-83-2	2,4-Dichlorophenol	50	42.8	86	59-103
105-67-9	2,4-Dimethylphenol	50	34.4	69	43-94
51-28-5	2,4-Dinitrophenol	100	85.6	86	12-125
534-52-1	4,6-Dinitro-o-cresol	100	95.5	96	47-119
88-75-5	2-Nitrophenol	50	41.3	83	64-104
100-02-7	4-Nitrophenol	100	37.2	37	22-50
87-86-5	Pentachlorophenol	100	92.6	93	50-111
108-95-2	Phenol	50	20.7	41	25-53
88-06-2	2,4,6-Trichlorophenol	50	43.3	87	60-103
83-32-9	Acenaphthene	50	41.2	82	62-101
208-96-8	Acenaphthylene	50	40.2	80	65-113
120-12-7	Anthracene	50	42.7	85	69-107
92-87-5	Benzidine	50	23.7	47	10-125
56-55-3	Benzo(a)anthracene	50	43.6	87	68-106
50-32-8	Benzo(a)pyrene	50	43.8	88	70-114
205-99-2	Benzo(b)fluoranthene	50	44.9	90	68-110
191-24-2	Benzo(g,h,i)perylene	50	44.5	89	63-115
207-08-9	Benzo(k)fluoranthene	50	43.5	87	68-112
101-55-3	4-Bromophenyl phenyl ether	50	45.0	90	73-103
85-68-7	Butyl benzyl phthalate	50	43.3	87	69-108
91-58-7	2-Chloronaphthalene	50	39.4	79	64-102
106-47-8	4-Chloroaniline	50	38.8	78	57-104
218-01-9	Chrysene	50	43.5	87	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	38.3	77	57-103
111-44-4	bis(2-Chloroethyl)ether	50	42.5	85	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	39.9	80	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	43.5	87	71-104
95-50-1	1,2-Dichlorobenzene	50	36.4	73	62-100
122-66-7	1,2-Diphenylhydrazine	50	43.3	87	65-105
541-73-1	1,3-Dichlorobenzene	50	35.5	71	59-99
106-46-7	1,4-Dichlorobenzene	50	35.6	71	60-101
121-14-2	2,4-Dinitrotoluene	50	41.0	82	65-111
606-20-2	2,6-Dinitrotoluene	50	40.3	81	77-111
91-94-1	3,3'-Dichlorobenzidine	50	37.7	75	42-110

Blank Spike Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14605-BS	L028014.D	1	10/06/05	ME	10/04/05	OP14605	SL1469

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

F35279-1, F35279-2, F35279-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
53-70-3	Dibenzo(a,h)anthracene	50	42.3	85	62-115
84-74-2	Di-n-butyl phthalate	50	43.7	87	68-109
117-84-0	Di-n-octyl phthalate	50	45.2	90	63-120
84-66-2	Diethyl phthalate	50	43.9	88	64-110
131-11-3	Dimethyl phthalate	50	42.6	85	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.4	89	64-115
206-44-0	Fluoranthene	50	43.7	87	68-111
86-73-7	Fluorene	50	41.1	82	66-105
118-74-1	Hexachlorobenzene	50	42.8	86	69-103
87-68-3	Hexachlorobutadiene	50	38.3	77	55-90
77-47-4	Hexachlorocyclopentadiene	50	30.0	60	26-95
67-72-1	Hexachloroethane	50	34.6	69	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	44.9	90	63-118
78-59-1	Isophorone	50	40.1	80	64-107
91-20-3	Naphthalene	50	38.6	77	62-101
98-95-3	Nitrobenzene	50	39.4	79	61-106
62-75-9	N-Nitrosodimethylamine	50	21.7	43	12-78
621-64-7	N-Nitroso-di-n-propylamine	50	38.6	77	64-109
86-30-6	N-Nitrosodiphenylamine	50	44.6	89	69-114
85-01-8	Phenanthrene	50	43.1	86	68-104
129-00-0	Pyrene	50	43.4	87	64-105
120-82-1	1,2,4-Trichlorobenzene	50	38.3	77	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	56%	19-90%
4165-62-2	Phenol-d5	35%	10-68%
118-79-6	2,4,6-Tribromophenol	86%	36-137%
4165-60-0	Nitrobenzene-d5	77%	49-119%
321-60-8	2-Fluorobiphenyl	81%	45-118%
1718-51-0	Terphenyl-d14	86%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14605-MS	L028019.D	1	10/06/05	ME	10/04/05	OP14605	SL1469
OP14605-MSD	L028020.D	1	10/06/05	ME	10/04/05	OP14605	SL1469
F35279-2	L028018.D	1	10/06/05	ME	10/04/05	OP14605	SL1469

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

F35279-1, F35279-2, F35279-3

CAS No.	Compound	F35279-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		96.2	78.3	81	84.3	88	7	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	76.4	79	85.0	88	11	60-101/18
120-83-2	2,4-Dichlorophenol	ND		96.2	79.3	82	89.0	93	12	55-100/24
105-67-9	2,4-Dimethylphenol	ND		96.2	62.4	65	69.6	72	11	36-98/26
51-28-5	2,4-Dinitrophenol	ND		192	131	68	138	72	5	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		192	170	88	177	92	4	40-127/24
88-75-5	2-Nitrophenol	ND		96.2	77.5	81	85.4	89	10	53-104/25
100-02-7	4-Nitrophenol	ND		192	88.2	46	97.6	51	10	32-81/28
87-86-5	Pentachlorophenol	ND		192	173	90	185	96	7	44-118/16
108-95-2	Phenol	ND		96.2	49.5	51	56.4	59	13	31-77/26
88-06-2	2,4,6-Trichlorophenol	ND		96.2	78.2	81	86.9	90	11	55-103/21
83-32-9	Acenaphthene	ND		96.2	76.7	80	82.3	86	7	55-103/20
208-96-8	Acenaphthylene	ND		96.2	73.1	76	80.5	84	10	55-113/20
120-12-7	Anthracene	ND		96.2	81.0	84	82.8	86	2	66-105/14
92-87-5	Benzidine	ND		96.2	43.2	45	46.6	48	8	10-125/50
56-55-3	Benzo(a)anthracene	ND		96.2	80.0	83	84.8	88	6	65-103/16
50-32-8	Benzo(a)pyrene	ND		96.2	76.9	80	83.3	87	8	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		96.2	76.8	80	85.1	89	10	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		96.2	80.4	84	85.5	89	6	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		96.2	79.8	83	83.7	87	5	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	84.5	88	87.3	91	3	68-102/16
85-68-7	Butyl benzyl phthalate	ND		96.2	80.2	83	84.0	87	5	65-108/17
91-58-7	2-Chloronaphthalene	ND		96.2	74.2	77	81.1	84	9	58-101/22
106-47-8	4-Chloroaniline	ND		96.2	75.4	78	80.5	84	7	39-101/21
218-01-9	Chrysene	ND		96.2	78.6	82	84.1	87	7	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	73.9	77	79.9	83	8	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	82.0	85	87.3	91	6	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	74.9	78	81.8	85	9	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	79.8	83	87.4	91	9	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		96.2	69.4	72	76.4	79	10	50-101/22
122-66-7	1,2-Diphenylhydrazine	ND		96.2	80.5	84	84.3	88	5	61-101/17
541-73-1	1,3-Dichlorobenzene	ND		96.2	66.9	70	72.6	76	8	50-100/23
106-46-7	1,4-Dichlorobenzene	ND		96.2	67.5	70	73.2	76	8	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		96.2	73.4	76	79.6	83	8	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		96.2	73.7	77	78.3	81	6	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	75.6	79	78.0	81	3	18-112/22

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14605-MS	L028019.D	1	10/06/05	ME	10/04/05	OP14605	SL1469
OP14605-MSD	L028020.D	1	10/06/05	ME	10/04/05	OP14605	SL1469
F35279-2	L028018.D	1	10/06/05	ME	10/04/05	OP14605	SL1469

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

F35279-1, F35279-2, F35279-3

CAS No.	Compound	F35279-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	74.9	78	82.7	86	10	57-111/20
84-74-2	Di-n-butyl phthalate	ND		96.2	82.2	85	84.9	88	3	63-107/17
117-84-0	Di-n-octyl phthalate	ND		96.2	81.6	85	85.9	89	5	58-126/23
84-66-2	Diethyl phthalate	ND		96.2	80.8	84	86.1	90	6	59-110/18
131-11-3	Dimethyl phthalate	ND		96.2	79.9	83	84.3	88	5	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	81.4	85	86.4	90	6	55-120/22
206-44-0	Fluoranthene	ND		96.2	80.5	84	84.0	87	4	62-108/17
86-73-7	Fluorene	ND		96.2	74.6	78	81.4	85	9	60-105/17
118-74-1	Hexachlorobenzene	ND		96.2	78.7	82	82.9	86	5	64-102/16
87-68-3	Hexachlorobutadiene	ND		96.2	72.2	75	79.6	83	10	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		96.2	54.0	56	58.9	61	9	20-92/34
67-72-1	Hexachloroethane	ND		96.2	65.0	68	72.0	75	10	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	80.0	83	87.1	91	8	61-111/19
78-59-1	Isophorone	ND		96.2	75.6	79	82.0	85	8	59-103/23
91-20-3	Naphthalene	ND		96.2	71.6	74	79.4	83	10	52-102/23
98-95-3	Nitrobenzene	ND		96.2	74.3	77	80.5	84	8	51-103/25
62-75-9	N-Nitrosodimethylamine	ND		96.2	51.2	53	59.0	61	14	20-91/29
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	70.9	74	76.9	80	8	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		96.2	83.1	86	84.7	88	2	62-112/16
85-01-8	Phenanthrene	ND		96.2	79.9	83	83.0	86	4	64-103/15
129-00-0	Pyrene	ND		96.2	79.6	83	84.5	88	6	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	71.5	74	80.6	84	12	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F35279-2	Limits
367-12-4	2-Fluorophenol	62%	69%	40%	19-90%
4165-62-2	Phenol-d5	44%	51%	25%	10-68%
118-79-6	2,4,6-Tribromophenol	82%	85%	84%	36-137%
4165-60-0	Nitrobenzene-d5	74%	81%	73%	49-119%
321-60-8	2-Fluorobiphenyl	78%	85%	78%	45-118%
1718-51-0	Terphenyl-d14	82%	85%	79%	46-135%

Instrument Performance Check (DFTPP)

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1468-DFTPP
Lab File ID: L027975.D
Instrument ID: GCMSL
Injection Date: 10/04/05
Injection Time: 09:46

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	66267	34.1		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	65777	33.9		Pass
70	Less than 2.0% of mass 69	359	0.18	(0.55) [a]	Pass
127	40.0 - 60.0% of mass 198	89341	46.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	194107	100.0		Pass
199	5.0 - 9.0% of mass 198	13272	6.8		Pass
275	10.0 - 30.0% of mass 198	44541	22.9		Pass
365	1.0 - 100.0% of mass 198	4558	2.3		Pass
441	Present, but less than mass 443	19286	9.9	(71.2) [b]	Pass
442	40.0 - 100.0% of mass 198	137837	71.0		Pass
443	17.0 - 23.0% of mass 442	27084	14.0	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1468-IC1468	L027976.D	10/04/05	10:05	00:19	Initial cal 5
SL1468-IC1468	L027977.D	10/04/05	10:36	00:50	Initial cal 25
SL1468-IC1468	L027978.D	10/04/05	11:06	01:20	Initial cal 50
SL1468-ICC1468	L027979.D	10/04/05	11:36	01:50	Initial cal 75
SL1468-IC1468	L027980.D	10/04/05	12:07	02:21	Initial cal 100
SL1468-IC1468	L027981.D	10/04/05	12:37	02:51	Initial cal 125
SL1468-ICV1468	L027982.D	10/04/05	13:08	03:22	Initial cal verification 50
SL1468-ICV1468	L027983.D	10/04/05	13:38	03:52	Initial cal verification 50
OP14600-LBS	L027984.D	10/04/05	14:37	04:51	Blank Spike
OP14600-LB	L027985.D	10/04/05	15:07	05:21	Leachate Blank
ZZZZZZ	L027986.D	10/04/05	15:38	05:52	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1469-DFTPP
Lab File ID: L027988.D
Instrument ID: GCMSL
Injection Date: 10/05/05
Injection Time: 12:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	52554	36.8		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	49537	34.7		Pass
70	Less than 2.0% of mass 69	255	0.18	(0.51) [a]	Pass
127	40.0 - 60.0% of mass 198	67104	47.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	142648	100.0		Pass
199	5.0 - 9.0% of mass 198	10163	7.1		Pass
275	10.0 - 30.0% of mass 198	32432	22.7		Pass
365	1.0 - 100.0% of mass 198	3140	2.2		Pass
441	Present, but less than mass 443	13402	9.4	(72.4) [b]	Pass
442	40.0 - 100.0% of mass 198	95749	67.1		Pass
443	17.0 - 23.0% of mass 442	18520	13.0	(19.3) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SL1469-CC1468	L027989.D	10/05/05	13:17	00:20	Continuing cal 75
OP14578-BS	L027990.D	10/05/05	13:48	00:51	Blank Spike
OP14578-MB	L027991.D	10/05/05	14:19	01:22	Method Blank
ZZZZZZ	L027992.D	10/05/05	14:50	01:53	(unrelated sample)
ZZZZZZ	L027993.D	10/05/05	15:22	02:25	(unrelated sample)
ZZZZZZ	L027994.D	10/05/05	15:53	02:56	(unrelated sample)
ZZZZZZ	L027995.D	10/05/05	16:25	03:28	(unrelated sample)
F35316-5	L027996.D	10/05/05	16:56	03:59	(used for QC only; not part of job F35279)
OP14578-MS	L027997.D	10/05/05	17:27	04:30	Matrix Spike
OP14578-MSD	L027998.D	10/05/05	17:58	05:01	Matrix Spike Duplicate
ZZZZZZ	L027999.D	10/05/05	18:28	05:31	(unrelated sample)
ZZZZZZ	L028000.D	10/05/05	18:58	06:01	(unrelated sample)
ZZZZZZ	L028001.D	10/05/05	19:29	06:32	(unrelated sample)
ZZZZZZ	L028002.D	10/05/05	19:59	07:02	(unrelated sample)
ZZZZZZ	L028003.D	10/05/05	20:30	07:33	(unrelated sample)
ZZZZZZ	L028004.D	10/05/05	21:00	08:03	(unrelated sample)
ZZZZZZ	L028005.D	10/05/05	21:31	08:34	(unrelated sample)
ZZZZZZ	L028006.D	10/05/05	22:01	09:04	(unrelated sample)
ZZZZZZ	L028007.D	10/05/05	22:31	09:34	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1469-DFTPP
Lab File ID: L027988.D
Instrument ID: GCMSL
Injection Date: 10/05/05
Injection Time: 12:57

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	L028008.D	10/05/05	23:02	10:05	(unrelated sample)
ZZZZZZ	L028009.D	10/05/05	23:32	10:35	(unrelated sample)
ZZZZZZ	L028010.D	10/06/05	00:02	11:05	(unrelated sample)
ZZZZZZ	L028011.D	10/06/05	00:33	11:36	(unrelated sample)
ZZZZZZ	L028012.D	10/06/05	01:03	12:06	(unrelated sample)
ZZZZZZ	L028013.D	10/06/05	01:34	12:37	(unrelated sample)
OP14605-BS	L028014.D	10/06/05	02:04	13:07	Blank Spike
OP14605-MB	L028015.D	10/06/05	02:34	13:37	Method Blank
ZZZZZZ	L028016.D	10/06/05	03:05	14:08	(unrelated sample)
F35279-1	L028017.D	10/06/05	03:35	14:38	UST645-MW22
F35279-2	L028018.D	10/06/05	04:06	15:09	UST645-MW23
OP14605-MS	L028019.D	10/06/05	04:36	15:39	Matrix Spike
OP14605-MSD	L028020.D	10/06/05	05:06	16:09	Matrix Spike Duplicate
F35279-3	L028021.D	10/06/05	05:37	16:40	UST645-MW18
ZZZZZZ	L028022.D	10/06/05	06:07	17:10	(unrelated sample)
ZZZZZZ	L028023.D	10/06/05	06:38	17:41	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std: SL1469-CC1468 **Injection Date:** 10/05/05
Lab File ID: L027989.D **Injection Time:** 13:17
Instrument ID: GCMSL **Method:** EPA 625

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	216753	4.95	809926	6.11	490518	8.40	787573	10.91	620697	15.87	635514	18.37
Upper Limit [a]	433506	5.45	1619852	6.61	981036	8.90	1575146	11.41	1241394	16.37	1271028	18.87
Lower Limit [b]	108377	4.45	404963	5.61	245259	7.90	393787	10.41	310349	15.37	317757	17.87

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP14578-BS	216253	4.95	799339	6.10	454610	8.39	718166	10.91	567298	15.85	550350	18.37
OP14578-MB	247213	4.95	875704	6.10	500724	8.39	785777	10.91	659034	15.85	626889	18.36
ZZZZZZ	212167	4.95	773468	6.10	496236	8.39	739624	10.91	628174	15.85	584567	18.36
ZZZZZZ	230305	4.95	822213	6.10	481589	8.38	774271	10.91	640864	15.85	614002	18.36
ZZZZZZ	224282	4.95	812335	6.10	479818	8.39	749545	10.90	636693	15.85	594758	18.36
ZZZZZZ	231580	4.95	834633	6.10	490243	8.39	757791	10.90	636595	15.85	616895	18.36
F35316-5	221672	4.95	816191	6.10	467696	8.38	734068	10.91	613558	15.84	594863	18.36
OP14578-MS	223797	4.95	834058	6.10	490354	8.39	764147	10.90	611966	15.85	591432	18.36
OP14578-MSD	227286	4.95	839679	6.10	499193	8.39	762651	10.91	606693	15.85	588607	18.36
ZZZZZZ	224294	4.95	833075	6.10	484090	8.39	777399	10.90	652865	15.84	619244	18.35
ZZZZZZ	249701	4.95	926942	6.10	541268	8.38	844075	10.90	733963	15.85	678732	18.36
ZZZZZZ	216804	4.95	804213	6.10	472759	8.38	743406	10.90	635783	15.84	604537	18.35
ZZZZZZ	212253	4.95	789220	6.10	462383	8.39	723159	10.90	623806	15.84	588294	18.35
ZZZZZZ	225591	4.95	849967	6.10	493409	8.38	777787	10.90	646892	15.84	614292	18.35
ZZZZZZ	243955	4.95	890676	6.10	525863	8.38	810937	10.90	705426	15.84	662243	18.35
ZZZZZZ	216142	4.95	794079	6.10	467222	8.38	736059	10.90	634061	15.84	596789	18.35
ZZZZZZ	243884	4.95	896587	6.10	523761	8.39	820217	10.90	679391	15.84	655521	18.35
ZZZZZZ	210420	4.95	772800	6.10	462964	8.38	715721	10.90	604699	15.84	586498	18.35
ZZZZZZ	220185	4.95	803808	6.10	476174	8.38	744647	10.90	629715	15.84	596588	18.35
ZZZZZZ	233752	4.95	868303	6.10	496073	8.39	755558	10.90	664334	15.84	634684	18.36
ZZZZZZ	222864	4.95	841467	6.10	485834	8.38	760281	10.90	654951	15.84	622934	18.35
ZZZZZZ	221165	4.95	844072	6.10	492383	8.38	772330	10.90	657993	15.84	614344	18.35
ZZZZZZ	215638	4.95	806542	6.09	482646	8.38	748038	10.90	642964	15.84	602531	18.35
ZZZZZZ	234875	4.95	878045	6.09	505857	8.38	788001	10.90	688740	15.84	659907	18.35
OP14605-BS	225443	4.95	842187	6.10	487007	8.38	760231	10.91	593370	15.85	562268	18.35
OP14605-MB	225742	4.95	828144	6.10	486840	8.38	772864	10.90	653611	15.84	611905	18.35
ZZZZZZ	222879	4.95	818865	6.10	485114	8.38	762725	10.90	649673	15.84	615284	18.35
F35279-1	224830	4.95	842239	6.10	488922	8.38	769781	10.90	647832	15.84	617926	18.35
F35279-2	220866	4.95	828504	6.10	494451	8.38	769756	10.90	638922	15.84	613512	18.35
OP14605-MS	250910	4.95	938293	6.10	539235	8.38	818345	10.91	644552	15.85	631356	18.35
OP14605-MSD	242440	4.95	910199	6.10	524422	8.38	824435	10.90	638800	15.85	624704	18.36
F35279-3	224016	4.95	832832	6.10	490998	8.38	769128	10.90	658384	15.84	613094	18.35
ZZZZZZ	228029	4.95	851192	6.10	507357	8.38	781812	10.90	650235	15.84	623418	18.35
ZZZZZZ	218513	4.95	823727	6.10	480971	8.38	748835	10.90	628260	15.83	609385	18.35

Semivolatile Internal Standard Area Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	SL1469-CC1468	**Injection Date:**	10/05/05
Lab File ID:	L027989.D	**Injection Time:**	13:17
Instrument ID:	GCMSL	**Method:**	EPA 625

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

IS 2 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 625 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F35279-1	L028017.D	42.0	28.0	81.0	66.0	74.0	75.0
F35279-2	L028018.D	40.0	25.0	84.0	73.0	78.0	79.0
F35279-3	L028021.D	38.0	25.0	79.0	68.0	72.0	75.0
OP14605-BS	L028014.D	56.0	35.0	86.0	77.0	81.0	86.0
OP14605-MB	L028015.D	48.0	33.0	82.0	70.0	77.0	81.0
OP14605-MS	L028019.D	62.0	44.0	82.0	74.0	78.0	82.0
OP14605-MSD	L028020.D	69.0	51.0	85.0	81.0	85.0	85.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	19-90%
S2 = Phenol-d5	10-68%
S3 = 2,4,6-Tribromophenol	36-137%
S4 = Nitrobenzene-d5	49-119%
S5 = 2-Fluorobiphenyl	45-118%
S6 = Terphenyl-d14	46-135%

Initial Calibration Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1468-ICC1468
Lab FileID: L027979.D

Response Factor Report MSBNA02

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Oct 04 13:34:05 2005
Response via : Initial Calibration

Calibration Files
5 =L027976.D 25 =L027977.D 50 =L027978.D 75 =L027979.D
100 =L027980.D 125 =L027981.D icv =L027982.D

Compound	5	25	50	75	100	125	icv	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD								
2) 1,4-Dioxane	0.360	0.400	0.403	0.407	0.418	0.421		0.401	5.42
3) N-nitrosodimethyl	0.300	0.511	0.535	0.540	0.576	0.594		0.509	20.96
---- Linear regr., Force(0,0) ---- Coefficient = 0.9977									
Response Ratio = 0.00000 + 0.57405 *A									
4) Pyridine	0.984	1.046	1.114	1.180	1.206	1.195		1.121	8.03
5) Benzaldehyde	0.991	0.988	0.929	0.703	0.499	0.343		0.742	37.04
6) Aniline	1.885	1.927	1.794	1.727	1.653	1.582		1.761	7.56
7)S 2-Fluorophenol	1.153	1.188	1.168	1.150	1.137	1.112		1.151	2.27
8) bis(2-Chloroethyl	1.109	1.080	1.070	1.072	1.088	1.090		1.085	1.33
9)S Phenol-d5	1.554	1.538	1.503	1.479	1.439	1.362		1.479	4.78
10)C Phenol	1.650	1.673	1.607	1.551	1.519	1.463		1.577	5.10
11) 2-Chlorophenol	1.401	1.425	1.423	1.413	1.414	1.393		1.412	0.89
12) 1,3-Dichlorobenze	1.571	1.609	1.577	1.575	1.554	1.498		1.564	2.36
13)C 1,4-Dichlorobenze	1.594	1.602	1.566	1.558	1.530	1.496		1.558	2.55
14) 1,2-Dichlorobenze	1.522	1.489	1.462	1.466	1.416	1.388		1.457	3.32
15) Benzyl alcohol	0.842	0.902	0.892	0.919	0.924	0.877		0.893	3.41
16) bis(2-chloroisopr	1.719	1.677	1.591	1.533	1.491	1.391		1.567	7.75
17) 2-Methylphenol	1.174	1.177	1.182	1.195	1.187	1.137		1.175	1.71
18) Acetophenone	1.707	1.731	1.760	1.755	1.843	1.587		1.731	4.85
19) Hexachloroethane	0.558	0.554	0.552	0.545	0.544	0.532		0.547	1.69
20)P N-Nitroso-di-n-pr	0.889	0.874	0.853	0.856	0.817	0.764		0.842	5.37
21) 3&4-Methylphenol	1.233	1.280	1.269	1.284	1.252	1.197		1.252	2.64
22) I Naphthalene-d8	ISTD								
23)S Nitrobenzene-d5	0.353	0.352	0.340	0.337	0.344	0.341		0.345	1.89
24) Nitrobenzene	0.330	0.334	0.323	0.318	0.320	0.318		0.324	2.04
25) Isophorone	0.613	0.619	0.608	0.602	0.611	0.604		0.610	1.04
26)C 2-Nitrophenol	0.216	0.220	0.227	0.225	0.226	0.225		0.223	1.91
27) 2,4-Dimethylpheno	0.342	0.349	0.340	0.335	0.330	0.319		0.336	3.10
28) bis(2-Chloroethox	0.386	0.381	0.366	0.361	0.360	0.354		0.368	3.45
29) Benzoic Acid	0.215	0.247	0.264	0.263	0.274	0.269		0.255	8.53
30)C 2,4-Dichloropheno	0.334	0.337	0.341	0.338	0.333	0.325		0.335	1.61
31) 1,2,4-Trichlorobe	0.357	0.360	0.352	0.341	0.338	0.335		0.347	3.00
32) Naphthalene	1.093	1.075	1.034	1.001	0.981	0.966		1.025	5.02
33) 4-Chloroaniline	0.483	0.480	0.471	0.456	0.451	0.431		0.462	4.28
34) 2,6-Dichloropheno	0.323	0.319	0.312	0.309	0.306	0.297		0.311	3.08
35)C Hexachlorobutadie	0.178	0.176	0.174	0.168	0.166	0.166		0.171	3.12
36) Caprolactam	0.132	0.130	0.140	0.136	0.149	0.129		0.136	5.54
37)C 4-Chloro-3-methyl	0.293	0.313	0.312	0.310	0.317	0.299		0.307	2.95
38) 2-Methylnaphthale	0.766	0.786	0.760	0.752	0.738	0.707		0.751	3.62
39) 1-Methylnaphthale	0.736	0.740	0.729	0.704	0.698	0.669		0.713	3.85
40) 1,2,4,5-Tetrachlo	0.351	0.353	0.342	0.335	0.326	0.317		0.337	4.20
41) I Acenaphthene-d10	ISTD								

Initial Calibration Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1468-ICC1468
Lab FileID: L027979.D

42)P	Hexachlorocyclope	0.258	0.329	0.335	0.344	0.351	0.362	0.330	11.19
43)C	2,4,6-Trichloroph	0.412	0.436	0.430	0.428	0.423	0.426	0.426	1.90
44)	2,4,5-Trichloroph	0.443	0.462	0.455	0.454	0.453	0.456	0.454	1.38
45)S	2-Fluorobiphenyl	1.462	1.440	1.365	1.362	1.331	1.326	1.381	4.11
46)	1,1'-Biphenyl	1.541	1.619	1.630	1.588	1.677	1.514	1.595	3.77
47)	2-Chloronaphthale	1.262	1.253	1.203	1.185	1.153	1.157	1.202	3.89
48)	2-Nitroaniline	0.318	0.320	0.328	0.329	0.332	0.333	0.327	1.89
49)	Acenaphthylene	2.034	2.076	1.970	1.928	1.887	1.880	1.962	4.06
50)	Dimethylphthalate	1.537	1.518	1.498	1.477	1.456	1.449	1.489	2.33
51)	2,6-Dinitrotoluen	0.369	0.366	0.373	0.364	0.365	0.367	0.367	0.93
52)C	Acenaphthene	1.207	1.237	1.180	1.147	1.133	1.135	1.173	3.62
53)	3-Nitroaniline	0.386	0.394	0.406	0.398	0.408	0.408	0.400	2.23
54)P	2,4-Dinitrophenol	0.039	0.123	0.172	0.194	0.215	0.223	0.161	43.33

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9974
Response Ratio = 0.00000 + 0.13723 *A + 0.02861 *A^2

55)	Dibenzofuran	1.793	1.798	1.688	1.648	1.596	1.597	1.687	5.40
56)	2,4-Dinitrotoluen	0.465	0.462	0.466	0.456	0.470	0.465	0.464	1.01
57)P	4-Nitrophenol		0.188	0.186	0.190	0.188	0.189	0.188	0.88
58)	2,3,4,6-Tetrachlo	0.298	0.325	0.329	0.338	0.344	0.345	0.330	5.27
59)	Fluorene	1.512	1.501	1.462	1.435	1.382	1.380	1.445	3.93
60)	4-Chlorophenyl-ph	0.669	0.656	0.635	0.614	0.612	0.615	0.634	3.84
61)	Diethylphthalate	1.428	1.429	1.414	1.365	1.377	1.355	1.395	2.37
62)	4-Nitroaniline	0.391	0.398	0.401	0.404	0.405	0.405	0.401	1.33

63) I	Phenanthrene-d10	----------ISTD----------							
64)	4,6-Dinitro-2-met		0.164	0.173	0.187	0.188	0.193	0.181	6.59
65)C	n-Nitrosodiphenyl	0.675	0.675	0.644	0.643	0.619	0.613	0.645	4.12
66)	1,2-Diphenylhydra	0.728	0.729	0.702	0.705	0.676	0.667	0.701	3.66
67)S	2,4,6-Tribromophe	0.101	0.107	0.103	0.101	0.098	0.097	0.101	3.61
68)	4-Bromophenyl-phe	0.232	0.238	0.227	0.230	0.223	0.224	0.229	2.40
69)	Hexachlorobenzene	0.247	0.237	0.224	0.223	0.211	0.214	0.226	6.08
70)	Atrazine	0.266	0.270	0.276	0.266	0.273	0.255	0.268	2.74
71)C	Pentachlorophenol		0.059	0.084	0.101	0.109	0.115	0.093	24.01

---- Linear regr., Force(0,0) ---- Coefficient = 0.9982
Response Ratio = 0.00000 + 0.10732 *A

72)	Phenanthrene	1.359	1.325	1.274	1.266	1.198	1.202	1.271	5.08
73)	Anthracene	1.386	1.378	1.295	1.281	1.212	1.223	1.296	5.72
74)	Carbazole	1.249	1.260	1.196	1.195	1.141	1.121	1.194	4.66
75)	Di-n-butylphthala	1.534	1.500	1.418	1.402	1.347	1.320	1.420	5.90
76)C	Fluoranthene	1.307	1.336	1.261	1.228	1.179	1.199	1.252	4.92

77) I	Chrysene-d12	----------ISTD----------							
78)	Benzidine	1.118	1.176	1.175	1.129	1.030	1.028	1.109	6.01
79)	Pyrene	1.705	1.693	1.674	1.700	1.689	1.643	1.684	1.36
80)S	Terphenyl-d14	1.021	1.065	1.043	1.053	1.038	1.020	1.040	1.71
81)	Butylbenzylphthal	0.769	0.802	0.801	0.824	0.824	0.819	0.806	2.62
82)	3,3'-Dichlorobenz	0.571	0.578	0.552	0.555	0.529	0.526	0.552	3.85
83)	Benzo[a]anthracen	1.413	1.470	1.463	1.492	1.496	1.493	1.471	2.15
84)	Chrysene	1.385	1.389	1.335	1.339	1.355	1.301	1.351	2.45
85)	bis(2-Ethylhexyl)	1.038	1.076	1.070	1.080	1.081	1.074	1.070	1.51

86) I	Perylene-d12	----------ISTD----------							
87)C	Di-n-octylphthala	1.880	1.955	1.874	1.831	1.785	1.755	1.847	3.91
88)	Benzo[b]fluoranth	1.422	1.454	1.378	1.407	1.391	1.390	1.407	1.97
89)	Benzo[k]fluoranth	1.446	1.448	1.353	1.370	1.352	1.317	1.381	3.91
90)C	Benzo[a]pyrene	1.358	1.392	1.349	1.350	1.329	1.320	1.350	1.87
91)	Indeno[1,2,3-cd]p	1.213	1.233	1.214	1.243	1.239	1.257	1.233	1.40
92)	Dibenz[a,h]anthra	1.166	1.157	1.149	1.177	1.158	1.184	1.165	1.12

Initial Calibration Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1468-ICC1468
Lab FileID: L027979.D

93) Benzo[g,h,i]peryl 1.342 1.369 1.327 1.333 1.299 1.334 1.334 1.68

(#) = Out of Range

8270C.M Tue Oct 04 16:12:41 2005

Initial Calibration Verification

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1468-ICV1468
Lab FileID: L027982.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\100405\L027982.D Vial: 8
Acq On : 4 Oct 2005 1:08 pm Operator: marke
Sample : icv1468-50 Inst : MSBNA02
Misc : op14554,sl1468,30.0,,,1,1,soil Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Oct 04 13:34:05 2005
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	108	0.00	4.96
2		1,4-Dioxane	50.000	49.153	1.7	0	0.01	2.51
		---------- Amount	Calc.	%Drift	----------			
3		N-nitrosodimethylamine	50.000	43.362	13.3	0	0.00	2.80
		---------- Amount	Calc.	%Drift	----------			
4		Pyridine	50.000	50.921	-1.8	0	0.00	2.83
5		Benzaldehyde	50.000	60.672	-21.3#	0	0.00	4.63
6		Aniline	50.000	54.646	-9.3	0	0.00	4.71
7	S	2-Fluorophenol		----------NA----------				
8		bis(2-Chloroethyl)ether	50.000	51.866	-3.7	0	0.00	4.75
9	S	Phenol-d5		----------NA----------				
10	C	Phenol	50.000	52.606	-5.2	0	0.00	4.71
11		2-Chlorophenol	50.000	50.964	-1.9	0	0.00	4.81
12		1,3-Dichlorobenzene	50.000	47.829	4.3	0	0.00	4.91
13	C	1,4-Dichlorobenzene	50.000	48.174	3.7	0	0.00	4.98
14		1,2-Dichlorobenzene	50.000	48.007	4.0	0	0.00	5.10
15		Benzyl alcohol	50.000	48.938	2.1	0	0.00	5.08
16		bis(2-chloroisopropyl)eth	50.000	47.551	4.9	0	0.00	5.18
17		2-Methylphenol	50.000	46.558	6.9	0	0.00	5.18
18		Acetophenone	50.000	45.197	9.6	0	0.00	5.29
19		Hexachloroethane	50.000	48.339	3.3	0	0.00	5.38
20	P	N-Nitroso-di-n-propylamin	50.000	44.311	11.4	0	0.00	5.29
21		3&4-Methylphenol	100.000	90.783	9.2	0	0.00	5.31
22	I	Naphthalene-d8	40.000	40.000	0.0	101	0.00	6.12
23	S	Nitrobenzene-d5		----------NA----------				
24		Nitrobenzene	50.000	49.795	0.4	0	0.00	5.44
25		Isophorone	50.000	47.215	5.6	0	0.00	5.66
26	C	2-Nitrophenol	50.000	51.038	-2.1	0	0.00	5.73
27		2,4-Dimethylphenol	50.000	47.221	5.6	0	0.00	5.78
28		bis(2-Chloroethoxy)methan	50.000	46.628	6.7	0	0.00	5.86
29		Benzoic Acid	100.000	99.837	0.2	0	0.00	5.92
30	C	2,4-Dichlorophenol	50.000	51.955	-3.9	0	0.00	5.98
31		1,2,4-Trichlorobenzene	50.000	49.124	1.8	0	0.00	6.05
32		Naphthalene	50.000	48.380	3.2	0	0.00	6.14
33		4-Chloroaniline	50.000	49.697	0.6	0	0.00	6.19
34		2,6-Dichlorophenol	50.000	50.157	-0.3	0	0.00	6.20
35	C	Hexachlorobutadiene	50.000	50.041	-0.1	0	0.00	6.25
36		Caprolactam	50.000	44.719	10.6	0	-0.01	6.60
37	C	4-Chloro-3-methylphenol	50.000	49.595	0.8	0	0.00	6.76

Initial Calibration Verification

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1468-ICV1468
Lab FileID: L027982.D

38		2-Methylnaphthalene	50.000	51.850	-3.7	0	0.00	6.93
39		1-Methylnaphthalene	50.000	47.628	4.7	0	0.00	7.06
40		1,2,4,5-Tetrachlorobenzen	50.000	46.579	6.8	0	0.00	7.14
41	I	Acenaphthene-d10	40.000	40.000	0.0	96	0.00	8.40
42	P	Hexachlorocyclopentadiene	50.000	51.388	-2.8	0	0.00	7.13
43	C	2,4,6-Trichlorophenol	50.000	51.599	-3.2	0	0.00	7.31
44		2,4,5-Trichlorophenol	50.000	49.134	1.7	0	0.00	7.37
45	S	2-Fluorobiphenyl		----------NA----------				
46		1,1'-Biphenyl	50.000	47.237	5.5	0	0.00	7.56
47		2-Chloronaphthalene	50.000	47.894	4.2	0	0.00	7.58
48		2-Nitroaniline	50.000	50.450	-0.9	0	0.00	7.74
49		Acenaphthylene	50.000	47.693	4.6	0	0.00	8.18
50		Dimethylphthalate	50.000	49.939	0.1	0	-0.02	8.03
51		2,6-Dinitrotoluene	50.000	45.826	8.3	0	0.00	8.11
52	C	Acenaphthene	50.000	49.129	1.7	0	0.00	8.46
53		3-Nitroaniline	50.000	44.422	11.2	0	-0.01	8.37
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	100.000	98.389	1.6	0	0.00	8.54
		----------	Amount	Calc.	%Drift		----------	
55		Dibenzofuran	50.000	51.077	-2.2	0	0.00	8.73
56		2,4-Dinitrotoluene	50.000	46.523	7.0	0	-0.01	8.75
57	P	4-Nitrophenol	100.000	93.458	6.5	0	0.00	8.72
58		2,3,4,6-Tetrachlorophenol	50.000	47.862	4.3	0	0.00	8.95
59		Fluorene	50.000	48.200	3.6	0	0.00	9.29
60		4-Chlorophenyl-phenylethe	50.000	49.558	0.9	0	0.00	9.33
61		Diethylphthalate	50.000	49.733	0.5	0	0.00	9.19
62		4-Nitroaniline	50.000	48.717	2.6	0	-0.01	9.37
63	I	Phenanthrene-d10	40.000	40.000	0.0	94	0.00	10.92
64		4,6-Dinitro-2-methylpheno	100.000	107.866	-7.9	0	0.00	9.43
65	C	n-Nitrosodiphenylamine	50.000	50.070	-0.1	0	-0.01	9.54
66		1,2-Diphenylhydrazine	50.000	49.871	0.3	0	0.00	9.60
67	S	2,4,6-Tribromophenol		----------NA----------				
68		4-Bromophenyl-phenylether	50.000	52.125	-4.3	0	0.00	10.17
69		Hexachlorobenzene	50.000	48.701	2.6	0	0.00	10.23
70		Atrazine	50.000	48.104	3.8	0	0.00	10.55
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	100.000	100.393	-0.4	0	0.00	10.61
		----------	Amount	Calc.	%Drift		----------	
72		Phenanthrene	50.000	49.511	1.0	0	0.00	10.97
73		Anthracene	50.000	49.575	0.8	0	0.00	11.06
74		Carbazole	50.000	52.842	-5.7	0	0.00	11.39
75		Di-n-butylphthalate	50.000	50.346	-0.7	0	0.00	12.17
76	C	Fluoranthene	50.000	49.101	1.8	0	-0.01	13.15
77	I	Chrysene-d12	40.000	40.000	0.0	98	0.00	15.87
78		Benzidine	50.000	32.066	35.9#	0	-0.01	13.49
79		Pyrene	50.000	48.143	3.7	0	0.00	13.56
80	S	Terphenyl-d14		----------NA----------				
81		Butylbenzylphthalate	50.000	48.611	2.8	0	0.00	15.00
82		3,3'-Dichlorobenzidine	50.000	40.932	18.1	0	-0.01	15.89
83		Benzo[a]anthracene	50.000	49.616	0.8	0	-0.01	15.85
84		Chrysene	50.000	48.703	2.6	0	-0.01	15.92
85		bis(2-Ethylhexyl)phthalat	50.000	49.605	0.8	0	0.00	16.18

Initial Calibration Verification

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1468-ICV1468
Lab FileID: L027982.D

86	I	Perylene-d12	40.000	40.000	0.0	93	0.00	18.38
87	C	Di-n-octylphthalate	50.000	51.572	-3.1	0	0.00	17.38
88		Benzo[b]fluoranthene	50.000	50.020	-0.0	0	0.00	17.77
89		Benzo[k]fluoranthene	50.000	48.100	3.8	0	-0.01	17.82
90	C	Benzo[a]pyrene	50.000	49.316	1.4	0	-0.01	18.29
91		Indeno[1,2,3-cd]pyrene	50.000	49.462	1.1	0	-0.01	19.97
92		Dibenz[a,h]anthracene	50.000	47.131	5.7	0	-0.01	20.03
93		Benzo[g,h,i]perylene	50.000	47.989	4.0	0	-0.02	20.34

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L027982.D 8270C.M Tue Oct 04 16:13:38 2005

Continuing Calibration Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1469-CC1468
Lab FileID: L027989.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\100505\L027989.D Vial: 2
Acq On : 5 Oct 2005 1:17 pm Operator: marke
Sample : cc1468-75 Inst : MSBNA02
Misc : op14600,sl1469,100,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\8270C.M (RTE Integrator)
Title : SW846 8270C OR EPA 625
Last Update : Tue Oct 04 13:34:05 2005
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	-0.01	4.95
2		1,4-Dioxane	0.401	0.421	-5.0	115	0.00	2.49
		----------	Amount	Calc.	%Drift	----------		
3		N-nitrosodimethylamine	75.000	72.111	3.9	114	0.00	2.79
		----------	AvgRF	CCRF	%Dev	----------		
4		Pyridine	1.121	1.177	-5.0	111	0.00	2.81
5		Benzaldehyde	0.742	0.663	10.6	105	-0.01	4.62
6		Aniline	1.761	1.698	3.6	109	0.00	4.70
7	S	2-Fluorophenol	1.151	1.161	-0.9	112	0.00	3.97
8		bis(2-Chloroethyl)ether	1.085	1.066	1.8	111	0.00	4.75
9	S	Phenol-d5	1.479	1.454	1.7	109	0.00	4.70
10	C	Phenol	1.577	1.597	-1.3	115	0.00	4.71
11		2-Chlorophenol	1.412	1.390	1.6	109	0.00	4.80
12		1,3-Dichlorobenzene	1.564	1.549	1.0	109	0.00	4.91
13	C	1,4-Dichlorobenzene	1.558	1.521	2.4	109	-0.01	4.97
14		1,2-Dichlorobenzene	1.457	1.386	4.9	105	0.00	5.09
15		Benzyl alcohol	0.893	0.894	-0.1	108	0.00	5.07
16		bis(2-chloroisopropyl)eth	1.567	1.569	-0.1	114	-0.01	5.17
17		2-Methylphenol	1.175	1.149	2.2	107	0.00	5.18
18		Acetophenone	1.731	1.696	2.0	108	-0.01	5.28
19		Hexachloroethane	0.547	0.522	4.6	107	0.00	5.37
20	P	N-Nitroso-di-n-propylamin	0.842	0.844	-0.2	110	0.00	5.29
21		3&4-Methylphenol	1.252	1.256	-0.3	109	0.00	5.31
22	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00	6.11
23	S	Nitrobenzene-d5	0.345	0.337	2.3	107	0.00	5.42
24		Nitrobenzene	0.324	0.315	2.8	106	-0.01	5.44
25		Isophorone	0.610	0.624	-2.3	111	0.00	5.66
26	C	2-Nitrophenol	0.223	0.226	-1.3	108	0.00	5.73
27		2,4-Dimethylphenol	0.336	0.333	0.9	107	0.00	5.77
28		bis(2-Chloroethoxy)methan	0.368	0.368	0.0	109	-0.01	5.85
29		Benzoic Acid	0.255	0.244	4.3	100	0.00	5.92
30	C	2,4-Dichlorophenol	0.335	0.339	-1.2	108	0.00	5.98
31		1,2,4-Trichlorobenzene	0.347	0.336	3.2	106	-0.01	6.04
32		Naphthalene	1.025	1.000	2.4	107	-0.01	6.13
33		4-Chloroaniline	0.462	0.472	-2.2	111	-0.01	6.19
34		2,6-Dichlorophenol	0.311	0.305	1.9	106	-0.01	6.20
35	C	Hexachlorobutadiene	0.171	0.168	1.8	107	0.00	6.25
36		Caprolactam	0.136	0.146	-7.4	115	-0.01	6.60
37	C	4-Chloro-3-methylphenol	0.307	0.313	-2.0	108	0.00	6.77

Continuing Calibration Summary

Job Number: F35279 **Sample:** SL1469-CC1468
Account: EEINCJX EEI **Lab FileID:** L027989.D
Project: Camp Lejeune-Bldg 645

38		2-Methylnaphthalene	0.751	0.750	0.1	107	-0.01	6.92
39		1-Methylnaphthalene	0.713	0.707	0.8	108	0.00	7.05
40		1,2,4,5-Tetrachlorobenzen	0.337	0.334	0.9	107	-0.01	7.14
41	I	Acenaphthene-d10	1.000	1.000	0.0	110	-0.01	8.40
42	P	Hexachlorocyclopentadiene	0.330	0.339	-2.7	109	-0.01	7.12
43	C	2,4,6-Trichlorophenol	0.426	0.418	1.9	108	0.00	7.30
44		2,4,5-Trichlorophenol	0.454	0.445	2.0	108	0.00	7.38
45	S	2-Fluorobiphenyl	1.381	1.311	5.1	106	-0.01	7.41
46		1,1'-Biphenyl	1.595	1.532	3.9	106	-0.01	7.55
47		2-Chloronaphthalene	1.202	1.149	4.4	107	-0.01	7.57
48		2-Nitroaniline	0.327	0.324	0.9	108	0.00	7.74
49		Acenaphthylene	1.962	1.886	3.9	108	-0.01	8.18
50		Dimethylphthalate	1.489	1.471	1.2	110	-0.01	8.03
51		2,6-Dinitrotoluene	0.367	0.362	1.4	110	0.00	8.11
52	C	Acenaphthene	1.173	1.135	3.2	109	-0.01	8.45
53		3-Nitroaniline	0.400	0.404	-1.0	112	0.00	8.37
		----------	Amount	Calc.	%Drift		----------	
54	P	2,4-Dinitrophenol	75.000	79.250	-5.7	116	-0.01	8.54
		----------	AvgRF	CCRF	%Dev		----------	
55		Dibenzofuran	1.687	1.659	1.7	111	-0.02	8.72
56		2,4-Dinitrotoluene	0.464	0.460	0.9	111	-0.01	8.75
57	P	4-Nitrophenol	0.188	0.177	5.9	103	0.02	8.74
58		2,3,4,6-Tetrachlorophenol	0.330	0.337	-2.1	110	0.00	8.95
59		Fluorene	1.445	1.391	3.7	107	-0.01	9.29
60		4-Chlorophenyl-phenylethe	0.634	0.615	3.0	110	-0.01	9.32
61		Diethylphthalate	1.395	1.407	-0.9	113	0.00	9.19
62		4-Nitroaniline	0.401	0.398	0.7	109	0.00	9.38
63	I	Phenanthrene-d10	1.000	1.000	0.0	112	-0.01	10.91
64		4,6-Dinitro-2-methylpheno	0.181	0.182	-0.6	109	-0.01	9.43
65	C	n-Nitrosodiphenylamine	0.645	0.623	3.4	109	-0.01	9.54
66		1,2-Diphenylhydrazine	0.701	0.688	1.9	109	-0.01	9.59
67	S	2,4,6-Tribromophenol	0.101	0.099	2.0	110	-0.02	9.71
68		4-Bromophenyl-phenylether	0.229	0.227	0.9	111	-0.01	10.17
69		Hexachlorobenzene	0.226	0.219	3.1	110	-0.02	10.22
70		Atrazine	0.268	0.269	-0.4	113	0.00	10.55
		----------	Amount	Calc.	%Drift		----------	
71	C	Pentachlorophenol	75.000	65.417	12.8	104	0.00	10.61
		----------	AvgRF	CCRF	%Dev		----------	
72		Phenanthrene	1.271	1.232	3.1	109	-0.01	10.96
73		Anthracene	1.296	1.254	3.2	110	-0.01	11.05
74		Carbazole	1.194	1.156	3.2	108	0.00	11.39
75		Di-n-butylphthalate	1.420	1.413	0.5	113	0.00	12.17
76	C	Fluoranthene	1.252	1.232	1.6	112	-0.02	13.15
77	I	Chrysene-d12	1.000	1.000	0.0	115	-0.01	15.87
78		Benzidine	1.109	1.094	1.4	112	-0.01	13.49
79		Pyrene	1.684	1.589	5.6	108	-0.01	13.56
80	S	Terphenyl-d14	1.040	1.033	0.7	113	-0.01	13.96
81		Butylbenzylphthalate	0.806	0.828	-2.7	116	-0.01	15.00
82		3,3'-Dichlorobenzidine	0.552	0.542	1.8	113	-0.01	15.89
83		Benzo[a]anthracene	1.471	1.460	0.7	113	-0.02	15.84
84		Chrysene	1.351	1.316	2.6	113	-0.01	15.92
85		bis(2-Ethylhexyl)phthalat	1.070	1.091	-2.0	116	-0.01	16.18

Continuing Calibration Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: SL1469-CC1468
Lab FileID: L027989.D

86	I	Perylene-d12	1.000	1.000	0.0	119	-0.01	18.37
87	C	Di-n-octylphthalate	1.847	1.853	-0.3	120	0.00	17.38
88		Benzo[b]fluoranthene	1.407	1.385	1.6	117	0.00	17.77
89		Benzo[k]fluoranthene	1.381	1.309	5.2	113	-0.01	17.82
90	C	Benzo[a]pyrene	1.350	1.338	0.9	118	-0.01	18.29
91		Indeno[1,2,3-cd]pyrene	1.233	1.227	0.5	117	-0.01	19.97
92		Dibenz[a,h]anthracene	1.165	1.166	-0.1	118	-0.01	20.03
93		Benzo[g,h,i]perylene	1.334	1.321	1.0	118	0.00	20.34

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L027979.D 8270C.M Thu Oct 06 16:54:12 2005

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3802-MB	EF055206.D	1	10/10/05	TD	n/a	n/a	GEF3802

The QC reported here applies to the following samples: **Method:** EPA 601/602

F35279-1, F35279-2, F35279-3, F35279-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	71-130%
98-08-8	aaa-Trifluorotoluene	92%	71-124%

Blank Spike Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GEF3802-BS	EF055205.D	1	10/10/05	TD	n/a	n/a	GEF3802

The QC reported here applies to the following samples: **Method:** EPA 601/602

F35279-1, F35279-2, F35279-3, F35279-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	17.2	86	81-121
108-90-7	Chlorobenzene	20	18.3	92	76-120
95-50-1	1,2-Dichlorobenzene	20	19.5	98	63-127
541-73-1	1,3-Dichlorobenzene	20	19.4	97	70-124
106-46-7	1,4-Dichlorobenzene	20	18.0	90	68-121
100-41-4	Ethylbenzene	20	17.7	89	79-124
1634-04-4	Methyl Tert Butyl Ether	20	17.2	86	73-118
108-88-3	Toluene	20	17.3	87	79-122
1330-20-7	Xylenes (total)	60	52.8	88	79-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	71-130%
98-08-8	aaa-Trifluorotoluene	102%	71-124%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F35279-1MS	EF055211.D	1	10/10/05	TD	n/a	n/a	GEF3802
F35279-1MSD	EF055212.D	1	10/10/05	TD	n/a	n/a	GEF3802
F35279-1 [a]	EF055207.D	1	10/10/05	TD	n/a	n/a	GEF3802

The QC reported here applies to the following samples: **Method:** EPA 601/602

F35279-1, F35279-2, F35279-3, F35279-4

CAS No.	Compound	F35279-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	18.3	92	18.5	93	1	74-126/11
108-90-7	Chlorobenzene	ND		20	19.5	98	19.6	98	1	72-124/8
95-50-1	1,2-Dichlorobenzene	ND		20	19.5	98	20.1	101	3	55-136/13
541-73-1	1,3-Dichlorobenzene	ND		20	20.1	101	20.4	102	1	65-132/16
106-46-7	1,4-Dichlorobenzene	ND		20	18.6	93	19.0	95	2	61-133/11
100-41-4	Ethylbenzene	ND		20	19.3	97	19.2	96	1	71-131/8
1634-04-4	Methyl Tert Butyl Ether	5.4		20	23.8	92	24.2	94	2	63-130/11
108-88-3	Toluene	0.82	J	20	19.2	92	19.4	93	1	69-132/7
1330-20-7	Xylenes (total)	ND		60	57.2	95	57.3	96	0	71-127/8

CAS No.	Surrogate Recoveries	MS	MSD	F35279-1	Limits
460-00-4	4-Bromofluorobenzene	98%	93%	92%	71-130%
98-08-8	aaa-Trifluorotoluene	102%	94%	94%	71-124%

(a) All hits confirmed by dual column analysis.

Volatile Surrogate Recovery Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Method: EPA 601/602 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F35279-1	EF055207.D	92.0	94.0
F35279-2	EF055208.D	96.0	97.0
F35279-3	EF055244.D	97.0	101.0
F35279-3	EF055209.D	99.0	101.0
F35279-4	EF055210.D	96.0	96.0
F35279-1MS	EF055211.D	98.0	102.0
F35279-1MSD	EF055212.D	93.0	94.0
GEF3802-BS	EF055205.D	100.0	102.0
GEF3802-MB	EF055206.D	91.0	92.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	71-130%
S2 = aaa-Trifluorotoluene	71-124%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3802-CC3783	**Injection Date:**	10/10/05
Lab File ID:	EF055204.D	**Injection Time:**	12:27
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S2 [a] RT
Check Std	10.84	5.82

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GEF3802-BS	EF055205.D	10/10/05	12:52	10.83	5.82
GEF3802-MB	EF055206.D	10/10/05	13:16	10.83	5.82
F35279-1	EF055207.D	10/10/05	13:41	10.83	5.82
F35279-2	EF055208.D	10/10/05	14:06	10.83	5.82
F35279-3	EF055209.D	10/10/05	14:31	10.83	5.81
F35279-4	EF055210.D	10/10/05	14:55	10.83	5.81
F35279-1MS	EF055211.D	10/10/05	15:20	10.83	5.81
F35279-1MSD	EF055212.D	10/10/05	15:45	10.83	5.81
ZZZZZZ	EF055213.D	10/10/05	16:10	10.83	5.81
ZZZZZZ	EF055214.D	10/10/05	16:34	10.83	5.81

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Check Std:	GEF3803-CC3783	**Injection Date:**	10/11/05
Lab File ID:	EF055239.D	**Injection Time:**	02:57
Instrument ID:	GCEF	**Method:**	EPA 601/602

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	10.63	10.83	5.68	5.81

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
ZZZZZZ	EF055241.D	10/11/05	03:46		10.83		5.81
F35580-1MS	EF055242.D	10/11/05	04:11		10.83		5.81
F35580-1MSD	EF055243.D	10/11/05	04:36		10.83		5.81
F35279-3	EF055244.D	10/11/05	05:03		10.83		5.81
GEF3803-ECC378E	EF055246.D	10/11/05	08:18	10.63	10.83	5.69	5.81

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3783-ICC3783
Lab FileID: EF054748.D

Response Factor Report VOA1

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Initial Calibration

Calibration Files
1 =EF054745.D 5 =EF054746.D 20 =EF054747.D 40 =EF054748.D
70 =EF054749.D 100 =EF054750.D

		Compound	1	5	20	40	70	100	Avg		%RSD
1)		Methyl tert Butyl E	1.400	1.649	1.447	1.419	1.372	1.388	1.446	E3	7.13
2)		Di-Isopropyl ether	2.145	2.599	2.251	2.221	2.137	2.125	2.246	E3	8.00
3)		Benzene	5.326	6.503	5.581	5.538	5.390	5.359	5.616	E3	7.95
4)	S	a,a,a-TFT(S)	1.676	1.690	1.728	1.755	1.623	1.346	1.636	E3	9.11
5)		Toluene	5.013	5.774	4.984	4.926	4.772	4.738	5.035	E3	7.53
6)		Chlorobenzene	4.435	5.517	4.746	4.797	4.587	4.555	4.773	E3	8.12
7)		Ethylbenzene	3.897	4.938	4.251	4.136	4.047	3.986	4.209	E3	8.96
8)		m,p-Xylene	4.418	5.356	4.639	4.582	4.419	4.369	4.630	E3	8.00
9)		o-Xylene	3.853	4.698	4.042	4.017	3.888	3.822	4.053	E3	8.10
10)	S	BFB(S)	3.727	3.761	3.847	3.884	3.758	2.970	3.658	E3	9.35
11)		1,3-Dichlorobenzene	3.292	3.952	3.414	3.380	3.394	3.289	3.454	E3	7.23
12)		1,4-Dichlorobenzene	3.726	4.443	3.824	3.799	3.848	3.737	3.896	E3	6.99
13)		1,2-Dichlorobenzene	2.030	2.410	2.093	2.038	2.163	2.051	2.131	E3	6.83

Signal #2

1)		Methyl tert Butyl E	1.407	1.702	1.515	1.514	1.454	1.472	1.511	E3	6.75
2)		Di-Isopropyl ether	2.054	2.561	2.276	2.264	2.153	2.148	2.243	E3	7.87
3)		Benzene	5.273	6.574	5.765	5.724	5.567	5.503	5.734	E3	7.80
4)	S	a,a,a-TFT(S)	1.657	1.685	1.761	1.780	1.652	1.363	1.650	E3	9.10
5)		Toluene	5.147	5.896	5.184	5.127	4.932	4.900	5.198	E3	6.96
6)		Chlorobenzene	4.689	5.826	5.148	5.004	4.797	4.771	5.039	E3	8.35
7)		Ethylbenzene	4.213	5.275	4.586	4.493	4.347	4.282	4.533	E3	8.57
8)		m,p-Xylene	4.715	5.779	5.002	4.926	4.784	4.660	4.977	E3	8.29
9)		o-Xylene	3.851	4.793	4.217	4.144	4.010	3.926	4.157	E3	8.17
10)	S	BFB(S)	4.046	4.184	4.242	4.303	4.096		4.174	E3	2.51
11)		1,3-Dichlorobenzene	3.283	3.993	3.536	3.489	3.493	3.381	3.529	E3	6.95
12)		1,4-Dichlorobenzene	3.614	4.368	3.823	3.753	3.802	3.678	3.840	E3	7.05
13)		1,2-Dichlorobenzene	2.100	2.499	2.221	2.170	2.281	2.168	2.240	E3	6.28

(#) = Out of Range

DUAL0923.M Fri Sep 23 09:22:48 2005

Initial Calibration Verification

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3783-ICV3783
Lab FileID: EF054751.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\092205\EF054751.D\FID1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\092205\EF054751.D\FID2B.CH
Acq On : 22 Sep 2005 7:56 pm Operator: Trangd
Sample : icv3783-20 Inst : VOA1
Misc : gc5422,gef3783,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	19.160	4.2	96	0.00	2.84- 3.04
2		Di-Isopropyl ether	20.000	19.890	0.5	99	0.00	3.29- 3.49
3		Benzene	20.000	19.879	0.6	100	0.00	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.853	-4.3	99	0.00	5.57- 5.77
5		Toluene	20.000	19.859	0.7	100	0.00	6.97- 7.17
6		Chlorobenzene	20.000	19.844	0.8	100	0.00	8.80- 9.00
7		Ethylbenzene	20.000	19.965	0.2	99	0.00	9.14- 9.34
8		m,p-Xylene	40.000	40.494	-1.2	101	0.00	9.45- 9.65
9		o-Xylene	20.000	20.403	-2.0	102	0.00	9.99-10.19
10	S	BFB(S)	20.000	20.980	-4.9	100	0.00	10.49-10.79
11		1,3-Dichlorobenzene	20.000	21.394	-7.0	108	0.00	12.41-12.61
12		1,4-Dichlorobenzene	20.000	21.260	-6.3	108	0.00	12.52-12.72
13		1,2-Dichlorobenzene	20.000	22.212	-11.1	113	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	18.500	7.5	92	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	19.770	1.2	97	0.00	3.22- 3.42
3		Benzene	20.000	20.014	-0.1	100	0.00	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	20.457	-2.3	96	0.00	5.70- 5.90
5		Toluene	20.000	19.802	1.0	99	0.00	6.94- 7.14
6		Chlorobenzene	20.000	19.838	0.8	97	0.00	8.93- 9.13
7		Ethylbenzene	20.000	20.064	-0.3	99	0.00	9.13- 9.33
8		m,p-Xylene	40.000	40.291	-0.7	100	0.00	9.31- 9.51
9		o-Xylene	20.000	20.774	-3.9	102	0.00	9.91-10.11
10	S	BFB(S)	20.000	20.394	-2.0	100	0.00	10.69-10.99
11		1,3-Dichlorobenzene	20.000	21.508	-7.5	107	0.00	12.50-12.70
12		1,4-Dichlorobenzene	20.000	21.415	-7.1	108	0.00	12.65-12.85
13		1,2-Dichlorobenzene	20.000	22.604	-13.0	114	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054747.D DUAL0923.M Fri Sep 23 09:22:30 2005

Continuing Calibration Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3802-CC3783
Lab FileID: EF055204.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\101005\EF055204.D\FID1A.CH Vial: 35
Signal #2 : C:\HPCHEM\1\DATA\101005\EF055204.D\FID2B.CH
Acq On : 10 Oct 2005 12:27 pm Operator: Trangd
Sample : CC3783-40 Inst : VOA1
Misc : gc5484,gef3802,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	36.986	7.5	94	0.01	2.84- 3.04
2		Di-Isopropyl ether	40.000	36.093	9.8	91	0.02	3.29- 3.49
3		Benzene	40.000	35.271	11.8	89	0.02	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	17.998	10.0	84	0.02	5.57- 5.77
5		Toluene	40.000	36.357	9.1	93	0.02	6.97- 7.17
6		Chlorobenzene	40.000	37.973	5.1	94	0.00	8.80- 9.00
7		Ethylbenzene	40.000	37.731	5.7	96	0.00	9.14- 9.34
8		m,p-Xylene	80.000	75.911	5.1	96	0.00	9.45- 9.65
9		o-Xylene	40.000	37.759	5.6	95	0.00	9.99-10.19
10	S	BFB(S)	20.000	19.671	1.6	93	0.00	10.49-10.79
11		1,3-Dichlorobenzene	40.000	39.258	1.9	100	0.00	12.41-12.61
12		1,4-Dichlorobenzene	40.000	39.002	2.5	100	0.00	12.52-12.72
13		1,2-Dichlorobenzene	40.000	39.324	1.7	103	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	40.000	36.876	7.8	92	0.01	2.80- 3.00
2		Di-Isopropyl ether	40.000	36.656	8.4	91	0.01	3.22- 3.42
3		Benzene	40.000	35.722	10.7	89	0.02	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	17.978	10.1	83	0.02	5.70- 5.90
5		Toluene	40.000	36.247	9.4	92	0.02	6.94- 7.14
6		Chlorobenzene	40.000	37.700	5.7	95	0.00	8.93- 9.13
7		Ethylbenzene	40.000	37.837	5.4	95	0.00	9.13- 9.33
8		m,p-Xylene	80.000	75.905	5.1	96	0.00	9.31- 9.51
9		o-Xylene	40.000	38.001	5.0	95	0.00	9.91-10.11
10	S	BFB(S)	20.000	18.858	5.7	91	0.00	10.69-10.99
11		1,3-Dichlorobenzene	40.000	39.263	1.8	99	0.00	12.50-12.70
12		1,4-Dichlorobenzene	40.000	39.034	2.4	100	0.00	12.65-12.85
13		1,2-Dichlorobenzene	40.000	39.393	1.5	102	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054748.D DUAL0923.M Tue Oct 11 10:58:55 2005

Continuing Calibration Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3802-CC3783
Lab FileID: EF055215.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\101005\EF055215.D\FID1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\101005\EF055215.D\FID2B.CH
Acq On : 10 Oct 2005 4:59 pm Operator: Trangd
Sample : CC3783-40 Inst : VOA1
Misc : gc5484,gef3802,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	40.000	35.799	10.5	91	0.00	2.84- 3.04
2		Di-Isopropyl ether	40.000	37.600	6.0	95	0.00	3.29- 3.49
3		Benzene	40.000	36.405	9.0	92	0.01	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.658	-3.3	96	0.00	5.57- 5.77
5		Toluene	40.000	37.034	7.4	95	0.01	6.97- 7.17
6		Chlorobenzene	40.000	38.840	2.9	97	0.00	8.80- 9.00
7		Ethylbenzene	40.000	38.334	4.2	98	0.00	9.14- 9.34
8		m,p-Xylene	80.000	75.942	5.1	96	0.00	9.45- 9.65
9		o-Xylene	40.000	38.039	4.9	96	-0.01	9.99-10.19
10	S	BFB(S)	20.000	21.226	-6.1	100	0.00	10.49-10.79
11		1,3-Dichlorobenzene	40.000	39.595	1.0	101	0.00	12.41-12.61
12		1,4-Dichlorobenzene	40.000	39.638	0.9	102	0.00	12.52-12.72
13		1,2-Dichlorobenzene	40.000	39.445	1.4	103	0.00	13.03-13.23
*****		Signal #2 *****						
1		Methyl tert Butyl Ethe	40.000	35.483	11.3	89	0.00	2.80- 3.00
2		Di-Isopropyl ether	40.000	37.610	6.0	93	0.00	3.22- 3.42
3		Benzene	40.000	36.335	9.2	91	0.01	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	20.571	-2.9	95	0.00	5.70- 5.90
5		Toluene	40.000	36.535	8.7	93	0.01	6.94- 7.14
6		Chlorobenzene	40.000	37.762	5.6	95	0.00	8.93- 9.13
7		Ethylbenzene	40.000	37.726	5.7	95	0.00	9.13- 9.33
8		m,p-Xylene	80.000	75.038	6.2	95	0.00	9.31- 9.51
9		o-Xylene	40.000	37.836	5.4	95	0.00	9.91-10.11
10	S	BFB(S)	20.000	20.311	-1.6	99	0.00	10.69-10.99
11		1,3-Dichlorobenzene	40.000	39.403	1.5	100	0.00	12.50-12.70
12		1,4-Dichlorobenzene	40.000	38.928	2.7	100	0.00	12.65-12.85
13		1,2-Dichlorobenzene	40.000	39.282	1.8	101	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054748.D DUAL0923.M Tue Oct 11 10:58:55 2005

Continuing Calibration Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3803-CC3783
Lab FileID: EF055239.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\101005\EF055239.D\FID1A.CH Vial: 35
Signal #2 : C:\HPCHEM\1\DATA\101005\EF055239.D\FID2B.CH
Acq On : 11 Oct 2005 2:57 am Operator: Trangd
Sample : CC3783-20 Inst : VOA1
Misc : gc5481,gef3803,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	19.491	2.5	97	0.00	2.84- 3.04
2		Di-Isopropyl ether	20.000	19.471	2.6	97	0.00	3.29- 3.49
3		Benzene	20.000	18.416	7.9	93	0.01	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.333	-1.7	96	0.01	5.57- 5.77
5		Toluene	20.000	18.597	7.0	94	0.01	6.97- 7.17
6		Chlorobenzene	20.000	19.420	2.9	98	0.00	8.80- 9.00
7		Ethylbenzene	20.000	19.113	4.4	95	0.00	9.14- 9.34
8		m,p-Xylene	40.000	38.060	4.8	95	-0.01	9.45- 9.65
9		o-Xylene	20.000	19.254	3.7	97	-0.01	9.99-10.19
10	S	BFB(S)	20.000	20.548	-2.7	98	0.00	10.49-10.79
11		1,3-Dichlorobenzene	20.000	19.470	2.7	98	0.00	12.41-12.61
12		1,4-Dichlorobenzene	20.000	19.511	2.4	99	0.00	12.52-12.72
13		1,2-Dichlorobenzene	20.000	18.692	6.5	95	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	18.968	5.2	95	0.00	2.80- 3.00
2		Di-Isopropyl ether	20.000	19.012	4.9	94	0.00	3.22- 3.42
3		Benzene	20.000	18.059	9.7	90	0.01	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	19.753	1.2	93	0.00	5.70- 5.90
5		Toluene	20.000	18.322	8.4	92	0.01	6.94- 7.14
6		Chlorobenzene	20.000	18.891	5.5	92	0.00	8.93- 9.13
7		Ethylbenzene	20.000	18.689	6.6	92	0.00	9.13- 9.33
8		m,p-Xylene	40.000	37.219	7.0	93	0.00	9.31- 9.51
9		o-Xylene	20.000	19.045	4.8	94	0.00	9.91-10.11
10	S	BFB(S)	20.000	19.447	2.8	96	0.00	10.69-10.99
11		1,3-Dichlorobenzene	20.000	19.236	3.8	96	0.00	12.50-12.70
12		1,4-Dichlorobenzene	20.000	19.057	4.7	96	0.00	12.65-12.85
13		1,2-Dichlorobenzene	20.000	18.613	6.9	94	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054747.D DUAL0923.M Tue Oct 11 10:57:12 2005

Continuing Calibration Summary

Job Number: F35279
Account: EEINCJX EEI
Project: Camp Lejeune-Bldg 645

Sample: GEF3803-ECC3783
Lab FileID: EF055246.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\101005\EF055246.D\FID1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA\101005\EF055246.D\FID2B.CH
Acq On : 11 Oct 2005 8:18 am Operator: Trangd
Sample : ECC3783-20 Inst : VOA1
Misc : gc5481,gef3803,,,,, Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: autoint2.e

Method : C:\HPCHEM\1\METHODS\DUAL0923.M (Chemstation Integrator)
Title : EPA 602 & 5030B/8021B
Last Update : Fri Sep 23 09:06:30 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Methyl tert Butyl Ethe	20.000	18.951	5.2	95	0.01	2.84- 3.04
2		Di-Isopropyl ether	20.000	19.719	1.4	98	0.01	3.29- 3.49
3		Benzene	20.000	19.312	3.4	97	0.01	4.55- 4.75
4	S	a,a,a-TFT(S)	20.000	20.544	-2.7	97	0.01	5.57- 5.77
5		Toluene	20.000	19.568	2.2	99	0.02	6.97- 7.17
6		Chlorobenzene	20.000	19.741	1.3	99	0.00	8.80- 9.00
7		Ethylbenzene	20.000	19.748	1.3	98	0.00	9.14- 9.34
8		m,p-Xylene	40.000	40.162	-0.4	100	0.00	9.45- 9.65
9		o-Xylene	20.000	20.076	-0.4	101	0.00	9.99-10.19
10	S	BFB(S)	20.000	20.490	-2.4	97	0.00	10.49-10.79
11		1,3-Dichlorobenzene	20.000	20.215	-1.1	102	0.00	12.41-12.61
12		1,4-Dichlorobenzene	20.000	20.042	-0.2	102	0.00	12.52-12.72
13		1,2-Dichlorobenzene	20.000	18.517	7.4	94	0.00	13.03-13.23

***** Signal #2 *****

1		Methyl tert Butyl Ethe	20.000	18.843	5.8	94	0.01	2.80- 3.00
2		Di-Isopropyl ether	20.000	19.550	2.2	96	0.00	3.22- 3.42
3		Benzene	20.000	19.138	4.3	95	0.01	4.58- 4.78
4	S	a,a,a-TFT(S)	20.000	20.258	-1.3	95	0.01	5.70- 5.90
5		Toluene	20.000	19.342	3.3	97	0.01	6.94- 7.14
6		Chlorobenzene	20.000	19.616	1.9	96	0.00	8.93- 9.13
7		Ethylbenzene	20.000	19.693	1.5	97	0.00	9.13- 9.33
8		m,p-Xylene	40.000	38.604	3.5	96	0.00	9.31- 9.51
9		o-Xylene	20.000	20.049	-0.2	99	0.00	9.91-10.11
10	S	BFB(S)	20.000	19.556	2.2	96	0.00	10.69-10.99
11		1,3-Dichlorobenzene	20.000	20.054	-0.3	100	0.00	12.50-12.70
12		1,4-Dichlorobenzene	20.000	19.736	1.3	99	0.00	12.65-12.85
13		1,2-Dichlorobenzene	20.000	18.310	8.5	92	0.00	13.25-13.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EF054747.D DUAL0923.M Tue Oct 11 10:57:12 2005

Soil Vapor Laboratory Reports

PARADIGM ANALYTICAL LABORATORIES, INC.

Bld 645

Results for Volatile Air Samples

by GC/MS

Client Sample ID: F19842-3
Client Project ID: F19842
Lab Sample ID: 81443
Lab Project ID: G383-241
Matrix: Air

Date Collected: 9/30/03
Date Received: 10/2/02
Date Analyzed: 10/15/03
Analyzed By: MRC

Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	0.13	BQL	mg/m3
Ethylbenzene	1	0.13	BQL	mg/m3
Toluene	1	0.13	BQL	mg/m3
m-,p-Xylene	1	0.13	BQL	mg/m3
o-Xylene	1	0.13	BQL	mg/m3

Comments:

Quantitation at 25°C and 1 atm.

Flags:

BQL = Below quantitation limit.

Reviewed By: mrc

N.C. Certification #481 S.C. Certification #99029

5 of

COC Number:
844271-Stack-093003

CHAIN-OF-CUSTODY RECORD F19842

Engineering & Environment Inc. - Piney Green Rd. Lot 203 - 910-539-5606

Receiving LAB: Accutest

Project Name	Project Location		
CAMP LEJEUNE - Bldg 900, 545, 45, LCH4015	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
824603	Bill Morris		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Mike Slade		

Analysis Desired: Method 18 BTEX

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Method 18 BTEX
1	CLJ-900-EFFA-012	9/30/03	1030		X	Effluent Air Sample 15 L of Air through Tube Bldg 900	1	X
2	CLJ-645-EFFA-012	9/30/03	1115		X	Effluent Air Sample 15 L of Air through Tube Bldg 645	1	X
3	CLJ-45-EFFA-001	9/30/03	1145		X	Effluent Air Sample 15 L of Air through Tube Bldg 45	1	X
4	CLJ-LCH4015-EFFA-001	9/30/03	1230		X	Effluent Air Sample 15 L of Air through Tube LCH4015	1	X
5								
6								
7								
8								
9								

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time
1	1-4	[signature]	FedEx 8369 1400 3069	9/30/03	16:00
2		Fed Ex	Muna Mohammed	10/1/03	0900
3					

Remarks

14 Day TAT

AMB°C.

PARADIGM ANALYTICAL LABORATORIES, INC.

Bid 645

Results for Volatiles in Air
by GC/MS

Client Sample ID: F20396-2
Client Project ID: F20396
Lab Sample ID: 83009
Lab Project ID: G383-244
Matrix: Air

Date Collected: 10/31/03
Date Received: 11/4/03
Date Analyzed: 11/10/03
Analyzed By: MRC

Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	0.13	BQL	mg/m3
Ethylbenzene	1	0.13	BQL	mg/m3
Methyl-tertbutyl ether	1	0.13	BQL	mg/m3
Toluene	1	0.13	BQL	mg/m3
m-,p-Xylene	1	0.13	BQL	mg/m3
o-Xylene	1	0.13	BQL	mg/m3

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By: _____

N.C. Certification #481 S.C. Certification #99029

COC Number:
844271-Stack-103103

F20396

CHAIN-OF-CUSTODY RECORD

Engineering & Environment Inc. - Piney Green Rd. Lot 203 - 910-539-5606

Receiving LAB: Accutest

Project Name	Project Location		
CAMP LEJEUNE - Bldg 900, 645, 45, LCH4015	CAMP LEJEUNE, NC		
Project Number	**Contact**	**P.O. Number**	**Reviewed by**
824603	Bill Morris		
Client Rep	**Project Manager**		
US NAVY - LANTDIV	Mike Slade		

Item No.	Sample Number	Date	Time	Comp	Grab	Sample Description	Number of Containers	Analysis Desired: Method 18 BTEX
1	CLJ-900-EFFA-013	10/31/03	1510		X	Effluent Air Sample 15 L of Air through Tube	1	X
2	CLJ-645-EFFA-013	10/31/03	1500		X	Effluent Air Sample 15 L of Air through Tube	1	X
3	CLJ-45-EFFA-002	10/31/03	1540		X	Effluent Air Sample 15 L of Air through Tube	1	X
4	CLJ-LCH4015-EFFA-002	10/31/03	1550		X	Effluent Air Sample 15 L of Air through Tube	1	X
5								
6								
7								
8								
9								

Transfer Number	Item Number	Transfers Relinquished By	Transfers Accepted By	Date	Time	Remarks
1	1-4	[signature] FedEX	FedEx 8369 1400 3210	10/31/03	16:00	14 Day TAT
2			[signature]	11/1/03	0930	
3						

Ann B.

Results for Volatiles in Air

by GC/MS

Client Sample ID: 645-0205-AIR
Client Project ID: CTO 018
Lab Sample ID: G546-23-1F
Lab Project ID: G546-23

Analyzed By: MRC
Date Collected: 2/28/2005 9:40
Date Received: 3/1/2005
Matrix: Air

Compound	Result ng/tube	Quantitation Limit ng/tube	Dilution Factor	Date Analyzed
Benzene	BQL	6000	1	3/15/2005
Ethylbenzene	BQL	6000	1	3/15/2005
Toluene	BQL	6000	1	3/15/2005
m-,p-Xylene	BQL	6000	1	3/15/2005
o-Xylene	BQL	6000	1	3/15/2005

Comments:

Quantitation at 25°C and 1 atm.

Flags:

BQL = Below quantitation limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 43619

Page 1 of 1

Client: Engineering & Environment Project ID: CTO #18 Date: 2/28/05 Report To: Bill Morris
Address: 824 Gum Branch Rd, Ste S Contact: Bill Morris Turnaround: Standard
Address: Jacksonville, NC 28540 Phone: 910-989-3214 Job Number: LD03-#19
Quote #: Fax: 910-989-3344 P.O. Number: Invoice To:

Sample ID	Date	Time	Matrix	Preservatives	Analyses (Modified 18 CBTEX + GRO)	Comments: Please specify any special reporting requirements
645-0205-AIR	2/28/05	0940	AIR		2	G546-23
4015-0205-AIR	2/28/05	1020			2	
45-0205-AIR	2/28/05	1310			2	
4158-0205-AIR	2/28/05	1409			2	

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
	2/28/05			3/1/05	1030	Ambient	NC ___ SC ___ Other ___

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST LCH4015-Primary Tube
Client Project ID: UST645 and UST LCH4015
Lab Sample ID: G546-28-3
Lab Project ID: G546-28

Analyzed By: MRC
Date Collected: 3/30/2005 14:30
Date Received: 3/31/2005
Matrix: Air

Compound	Result ng/tube	Quantitation Limit ng/tube	Dilution Factor	Date Analyzed
Benzene	BQL	6000	1	4/21/2005
Bromochloromethane	BQL	6000	1	4/21/2005
Bromodichloromethane	BQL	6000	1	4/21/2005
Bromoform	BQL	6000	1	4/21/2005
Carbon tetrachloride	BQL	6000	1	4/21/2005
Chlorobenzene	BQL	6000	1	4/21/2005
Chloroform	BQL	6000	1	4/21/2005
Dibromochloromethane	BQL	6000	1	4/21/2005
1,2-Dibromoethane (EDB)	BQL	6000	1	4/21/2005
1,2-Dichlorobenzene	BQL	6000	1	4/21/2005
1,3-Dichlorobenzene	BQL	6000	1	4/21/2005
1,4-Dichlorobenzene	BQL	6000	1	4/21/2005
1,1-Dichloroethane	BQL	6000	1	4/21/2005
1,1-Dichloroethene	BQL	6000	1	4/21/2005
1,2-Dichloroethane	BQL	6000	1	4/21/2005
cis-1,2-Dichloroethene	BQL	6000	1	4/21/2005
trans-1,2-dichloroethene	BQL	6000	1	4/21/2005
1,2-Dichloropropane	BQL	6000	1	4/21/2005
cis-1,3-Dichloropropene	BQL	6000	1	4/21/2005
trans-1,3-Dichloropropene	BQL	6000	1	4/21/2005
Diisopropyl ether	BQL	6000	1	4/21/2005
Ethylbenzene	BQL	6000	1	4/21/2005
Methyl-tert-butyl ether	BQL	6000	1	4/21/2005
Styrene	BQL	6000	1	4/21/2005
1,1,2,2-Tetrachloroethane	BQL	6000	1	4/21/2005
Tetrachloroethene	BQL	6000	1	4/21/2005
Toluene	BQL	6000	1	4/21/2005
Trichloroethene	BQL	6000	1	4/21/2005
1,1,1-Trichloroethane	BQL	6000	1	4/21/2005
1,1,2-Trichloroethane	BQL	6000	1	4/21/2005
m-,p-Xylene	BQL	6000	1	4/21/2005
o-Xylene	BQL	6000	1	4/21/2005

Comments:

Quantitation at 25°C and 1 atm.

Flags:

BQL = Below quantitation limit.

Reviewed By: mc

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 50473

Page _____ **of** _____

Client: Engineering + Environment Inc. **Project ID:** UST 645 and UST LCH 4015 **Date:** 3/30/05 **Report To:** _____

Address: 824 Gumbranch rd Suite S **Contact:** Bill Morris **Turnaround:** _____

Address: Jacksonville NC 28540 **Phone:** 910-989-3214 **Job Number:** _____

Quote #: _____ **Fax:** 910-989-3341 **P.O. Number:** _____ **Invoice To:** _____

PARADIGM ANALYTICAL LABORATORIES, INC

Sample ID	Date	Time	Matrix	Preservatives: None	Analyses: Modified EPA 18	Comments: Please specify any special reporting requirements
UST 645 Primary Tube	3/30/05	11:59	A.-	X	1	
UST 645 Secondary Tube	3/30/05	11:59	A.-	X	1	G546-28
UST LCH 4015 - Primary Tube	3/30/05	14:30	A.-	X	1	
UST LCH 4015 - Secondary Tube	3/30/05	14:30	A.-	X	1	2 samples total primary is front tube secondary is back tube per Bill Morris 3/31/05

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Brad Sellers	3/30/05	15:00	Julie Jones	3/31/05	1020	Ambient	NC ____ SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645-Primary Tube
Client Project ID: UST 645
Lab Sample ID: g546-29-1
Lab Project ID: G546-29

Analyzed By: MRC
Date Collected: 4/29/2005 12:10
Date Received: 5/5/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Benzene	BQL	0.040	1	6/2/2005
Ethylbenzene	BQL	0.040	1	6/2/2005
Toluene	BQL	0.040	1	6/2/2005
m-,p-Xylene	BQL	0.040	1	6/2/2005
o-Xylene	BQL	0.040	1	6/2/2005

Comments:

Quantitation at 25°C and 1 atm.

Flags:

BQL = Below quantitation limit.

Reviewed By: RV

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 46578

Page _____ of _____

Client: Engineering + Environment Project ID: 4ST645 Date: 4/29/05 Report To: _____
Address: 824 Gumbranch Rd Ste 5 Contact: Bill Morris Turnaround: Standard _____
Address: Jacksonville NC 28540 Phone: 910-989-3214 Job Number: _____
Quote #: _____ Fax: 910-989-3241 P.O. Number: _____ Invoice To: _____

Sample ID	Date	Time	Matrix	Preservatives: None	Analyses: TAGS	Comments: Please specify any special reporting requirements
						G546-29
4STC46-Primary Tube	4/29/05	12:10	Air	1	✓	150 minutes @ 1 LPM
4STC45 Secondary Tube	4/29/05	12:10	Air	1	✓	" "
4STLCH405-Primary Tube	5/1/05	13:15	Air	1	✓	165 minutes @ 1 LPM
4STLLH405-Secondary Tube	5/1/05	13:15	Air	1	✓	

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Bob Sellers	5/4/05	13:45	[signature]	5/5/05	1035	Ambient

State Certification Requested
NC _____ SC _____ Other _____
SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645-Primary
Client Project ID: 645 and LCH 4015
Lab Sample ID: G546-35-1
Lab Project ID: G546-35

Analyzed By: MRC
Date Collected: 6/2/2005 14:30
Date Received: 6/4/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Benzene	BQL	0.033	1	6/23/2005
Ethylbenzene	BQL	0.033	1	6/23/2005
Toluene	BQL	0.033	1	6/23/2005
m-,p-Xylene	BQL	0.033	1	6/23/2005
o-Xylene	BQL	0.033	1	6/23/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By:

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645-Secondary
Client Project ID: 645 and LCH 4015
Lab Sample ID: G546-35-2
Lab Project ID: G546-35

Analyzed By: MRC
Date Collected: 6/2/2005 14:30
Date Received: 6/4/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Benzene	BQL	0.033	1	6/23/2005
Ethylbenzene	BQL	0.033	1	6/23/2005
Toluene	BQL	0.033	1	6/23/2005
m-,p-Xylene	BQL	0.033	1	6/23/2005
o-Xylene	BQL	0.033	1	6/23/2005

Comments:

Quantitation at 25°C and 1 atm.

Flags:

BQL = Below quantitation limit.

Reviewed By:

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/FID

Client Sample ID: UST645-Primary
Client Project ID: 645 and LCH4015
Lab Sample ID: G546-35-1
Lab Project ID: G546-35

Analyzed By: EEF
Date Collected: 6/2/2005 14:30
Date Received: 6/4/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	0.667	1	6/23/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By:

Results for Volatiles in Air

by GC/FID

Client Sample ID: UST645-Secondary
Client Project ID: 645 and LCH4015
Lab Sample ID: G546-35-2
Lab Project ID: G546-35

Analyzed By: EEF
Date Collected: 6/2/2005 14:30
Date Received: 6/4/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	0.667	1	6/23/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 50470

Page ____ of ____

Client: Engineering + Environment Project ID: 645 and LCH 4015 Date: 6/2/05 Report To: ____
Address: 824 Gumwood rd suite 5 Contact: Bill Morris Turnaround: Standard ____
Address: Jacksonville NC 28540 Phone: 910-989-3214 Job Number: ____ ____
Quote #: ____ Fax: 910-989-3341 P.O. Number: ____ Invoice To: ____

Sample ID	Date	Time	Matrix	Preservatives: None	Analyses: Modified EPH 18	Analyses: Naphthalene	Comments: Please specify any special reporting requirements
UST 645 - Primary	6/2/05	12:30	Air	X	1		120 mins. @ 1 LPM
UST 645 - Secondary	6/2/05	12:30	Air	X	1		120 mins. @ 1 LPM
UST LCH 4015 - Primary	6/2/05	16:45	Air	X	1		120 mins @ 1 LPM
UST LCH 4015 - Secondary	6/2/05	16:45	Air	X	1		120 mins @ 1 LPM
							G546-35

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Bob Sellers	6/3/05	14:40	Julia Johnson	6/4/05	1000	5.8°C	NC ____ SC ____ Other ____

SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645-Primary
Client Project ID: 645 & 4015
Lab Sample ID: g546-39-1
Lab Project ID: G546-39

Analyzed By: MRC
Date Collected: 7/1/2005 12:05
Date Received: 7/2/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Benzene	BQL	0.050	1	7/26/2005
Ethylbenzene	BQL	0.050	1	7/26/2005
Toluene	BQL	0.050	1	7/26/2005
m-,p-Xylene	BQL	0.050	1	7/26/2005
o-Xylene	BQL	0.050	1	7/26/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By: _____

Results for Volatiles in Air

by GC/FID

Client Sample ID: UST645-Primary
Client Project ID: 645 & 4015
Lab Sample ID: G546-39-1 FH
Lab Project ID: G546-39

Analyzed By: MRC
Date Collected: 7/1/2005 12:05
Date Received: 7/2/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Gasoline	109	1.33	1	7/27/2005

Comments:

Quantitation at 25°C and 1 atm.
The detected compounds eluted in the range of gasoline, but do not match a gasoline pattern

Flags:

BQL = Below quantitation limit.

Reviewed By: _____

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/FID

Client Sample ID: UST645-Secondary
Client Project ID: 645 & 4015
Lab Sample ID: G546-39-1 BH
Lab Project ID: G546-39

Analyzed By: MRC
Date Collected: 7/1/2005 12:05
Date Received: 7/2/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Gasoline	BQL	1.33	1	7/27/2005

Comments:

Quantitation at 25°C and 1 atm.
The detected compounds eluted in the range of gasoline, but do not match a gasoline pattern

Flags:

BQL = Below quantitation limit.

Reviewed By: RMP

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 48457

Page ____ of ____

Client: Engineering + Environment Project ID: G546+4018 Date: 7/1/05 Report To: Bill Morris
Address: 924 Gumbranch Rd, Suite 5 Contact: ____ Turnaround: standard
Address: Jacksonville NC 28540 Phone: 910-989-3214 Job Number: ____
Quote #: ____ Fax: 910-989-3341 P.O. Number: ____ Invoice To: ____

Sample ID	Date	Time	Matrix	Preservatives	Analyses: Modified CATEX16RO	Comments: Please specify any special reporting requirements
						G546-39
T646-Primary	7/1/05	12:05	Air			120 min. @ 1 LPM
T646-Secondary	7/1/05	12:05	"			" "
TLCH4018-primary	7/1/05	14:10	"			" "
TLCH4018-Secondary	7/1/05	14:15	"			" "

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Bob Sellers	7/1/05	14:45	[illegible]	7/2/05	10:50	21.4	NC ____ SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645-Primary
Client Project ID: 645 & LCH4015
Lab Sample ID: G546-46-1
Lab Project ID: G546-46

Analyzed By: MRC
Date Collected: 7/29/2005 13:40
Date Received: 8/2/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Benzene	BQL	0.0250	1	8/22/2005
Ethylbenzene	BQL	0.0250	1	8/22/2005
Toluene	BQL	0.0250	1	8/22/2005
m-,p-Xylene	BQL	0.0250	1	8/22/2005
o-Xylene	BQL	0.0250	1	8/22/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By:

Results for Volatiles in Air

by GC/FID

Client Sample ID: UST645 - Primary
Client Project ID: 645 & LCH4015
Lab Sample ID: G546-46-1
Lab Project ID: G546-46

Analyzed By: EEF
Date Collected: 7/29/2005 0:00
Date Received: 8/2/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Gasoline	BQL	0.667	1	8/22/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 48456

Page 1 of 1

Client: Engineering + Environment Project ID: 645+LCH4015 Date: 8/1/05 Report To: _____
Address: 824 Gumbranch rd suite 5 Contact: Bill Morris Turnaround: standard _____
Address: Jacksonville NC 28540 Phone: 910-989-3214 Job Number: _____ _____
Quote #: _____ Fax: 910-989-3391 P.O. Number: _____ Invoice To: _____

Sample ID	Date	Time	Matrix	Preservatives: Non	Analyses: Modified BTEX 1618	Comments: Please specify any special reporting requirements
						65464
ST645-Primary	7/29/05	13:40	air	X	X	240 min @ 1 LPM
ST645-Secondary	7/29/05	13:40	air	X	X	" " " " "
STLCH4015-Primary	8/1/05	11:30	air	X	X	" " " " "
STLCH4015-Secondary	8/1/05	11:30	air	X	X	" " " " "

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Bob Sellers	8/1/05	12:45	John Johnson	8/2/05	1005	Ambient	NC ____ SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645 Primary
Client Project ID: 645 & LCH 4015
Lab Sample ID: G546-53-1
Lab Project ID: G546-53

Analyzed By: MRC
Date Collected: 8/30/2005 11:15
Date Received: 9/2/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Benzene	BQL	0.250	1	9/13/2005
Ethylbenzene	BQL	0.250	1	9/13/2005
Toluene	BQL	0.250	1	9/13/2005
m-,p-Xylene	BQL	0.500	1	9/13/2005
o-Xylene	BQL	0.250	1	9/13/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By: _____

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645 Primary
Client Project ID: 645 & LCH 4015
Lab Sample ID: G546-53-1
Lab Project ID: G546-53

Analyzed By: EEF
Date Collected: 8/30/2005 11:15
Date Received: 9/2/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Gasoline	BQL	1.000	1	9/21/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By: _____

N.C. Certification #481 S.C. Certification #99029

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 50619

Page 1 of 1

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Client: Engineering + Environment | Project ID: 645 + LCH 4015 | Date: 9/1/05 | Report To: Bill Morris
Address: 824 Gumbranch rd Suite 5 | Contact: Bill Morris | Turnaround: standard
Address: Jacksonville, NC. 28540 | Phone: 910-989-3214 | Job Number:
Quote #: | Fax: 910-989-3341 | P.O. Number: | Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: none	Analyses: Modified BTEX+GRO	Comments: Please specify any special reporting requirements
						G546-53
ST645 primary	9/30/05	11:15	Air	X	X	120 min @ 1 LPM
ST645 Secondary	8/30/05	11:15	Air	X	X	" "
ST LCH4015 primary	8/30/05	13:30	Air	X	X	" "
ST LCH4015 Secondary	8/30/05	13:30	Air	X	X	" "

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Bob Gellen	9/1/05	09:00	Julie Johnson	9/2/05	0950	Ambient	NC ____ SC ____ Other ____

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PARADIGM ANALYTICAL LABORATORIES, INC.

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645-Primary,Secondary
Client Project ID: Bldg 645 & LCH 4015
Lab Sample ID: g546-58-1
Lab Project ID: G546-58

Analyzed By: MRC
Date Collected: 9/30/2005 13:30
Date Received: 10/3/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Benzene	BQL	0.050	1	10/19/2005
Ethylbenzene	BQL	0.050	1	10/19/2005
Toluene	BQL	0.050	1	10/19/2005
m-,p-Xylene	BQL	0.100	1	10/19/2005
o-Xylene	BQL	0.050	1	10/19/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By: mc

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645-Primary, Secondary
Client Project ID: 645 & LCH 4015
Lab Sample ID: G546-58-1
Lab Project ID: G546-58

Analyzed By: EEF
Date Collected: 9/30/2005 13:30
Date Received: 10/3/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Gasoline	4.44	1.00	1	10/24/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By: MC

PARADIGM ANALYTICAL LABORATORIES, INC.
5500 Business Drive, Wilmington, NC 28405
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Chain-of Custody Record & Analytical Request

COC# 50618

Page 1 of 1

Client: Engineering & Environment Project ID: Bld 646 + LCH 4015 Date: 9/30/05 Report To: Bill Morris
Address: 614 Gumbranch rd Suite 5 Contact: _____ Turnaround: standard
Address: Jacksonville NC 28540 Phone: 910-[redacted]999-3214 Job Number: _____
Quote #: _____ Fax: 910-999-3841 P.O. Number: _____ Invoice To: _____

Sample ID	Date	Time	Matrix	Preservatives: None				Analyses: Modified 8260 EDB 1,2	Analyses: Betex/GRO									Comments: Please specify any special reporting requirements
																		G546-58
BLT645-primary	9/30/05	13:30	air	X				1										120 min @ 1 LPM
BLT645-secondary	9/30/05	13:30	air	X				1										120 min @ 1 LPM
BLTLCH4015-primary	9/30/05	11:10	air	X				1										130 min @ 1 LPM
BLTLCH4015-secondary	9/30/05	11:10	air	X				1										130 min @ 1 LPM

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Bob Sallee	9/30/05	14:30	Jude Johnson	10/3/05	1000	Ambient	NC ____ SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

ORIGINAL

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N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645
Client Project ID: 645 & LCH 4015
Lab Sample ID: g546-65-2
Lab Project ID: G546-65

Analyzed By: MRC
Date Collected: 10/31/2005 15:00
Date Received: 11/1/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Benzene	BQL	0.0250	1	11/11/2005
Ethylbenzene	BQL	0.0250	1	11/11/2005
Toluene	BQL	0.0250	1	11/11/2005
m-,p-Xylene	BQL	0.0500	1	11/11/2005
o-Xylene	BQL	0.0250	1	11/11/2005

Comments:

Quantitation at 25°C and 1 atm.

Flags:

BQL = Below quantitation limit.

Reviewed By: mc

N.C. Certification #481 S.C. Certification #99029

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645
Client Project ID: 645 & LCH 4015
Lab Sample ID: G546-65-2
Lab Project ID: G546-65

Analyzed By: MRC
Date Collected: 10/31/2005 13:00
Date Received: 11/1/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Gasoline	BQL	0.500	1	11/14/2005

Comments:

Quantitation at 25°C and 1 atm.

Flags:

BQL = Below quantitation limit.

Reviewed By: MC

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Chain-of Custody Record & Analytical Request

COC# 51532

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Client: Engineering + Environment Project ID: 645 + LCH4015 Date: 10/31/05 Report To: Bill Morris
Address: 824 Gum Branch rd suite 5 Contact: Bill Morris Turnaround: standard
Address: Jacksonville NC 28540 Phone: 910-455-3214 Job Number:
Quote #: Fax: 910-455-3341 P.O. Number: Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: HCl	Analyses: Modified Stex + GRO	Comments: Please specify any special reporting requirements
						G546-65
LST LCH 4015 - Primary	10/31/05	13:00	Air	Y	Y	240 min @ 1 LPM
LST LCH 4015 - Secondary	10/31/05	13:00	Air	Y	Y	" " " "
LST C45 - Primary	10/31/05	15:00	Air	Y	Y	" " " "
LST C45 - Secondary	10/31/05	15:00	Air	Y	Y	" " " "

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Brad Sellers	10/31/05	15:30	[signature]	11/1/05	1035	Ambient	NC ____ SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

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Results for Volatiles in Air
by GC/MS

Client Sample ID: UST645
Client Project ID: LCH 4015
Lab Sample ID: G546-66-1
Lab Project ID: G546-66

Analyzed By: DCS
Date Collected: 11/28/2005 12:50
Date Received: 11/29/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Gasoline	BQL	1.000	1	12/23/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By: [signature]

Results for Volatiles in Air

by GC/MS

Client Sample ID: UST645-Primary,Secondary
Client Project ID: LCH 4015
Lab Sample ID: G546-66-1
Lab Project ID: G546-66

Analyzed By: MRC
Date Collected: 11/28/2005 12:50
Date Received: 11/29/2005
Matrix: Air

Compound	Result mg/m3	Quantitation Limit mg/m3	Dilution Factor	Date Analyzed
Benzene	BQL	0.0500	1	12/6/2005
Ethylbenzene	BQL	0.0500	1	12/6/2005
Toluene	BQL	0.0500	1	12/6/2005
m-,p-Xylene	BQL	0.100	1	12/6/2005
o-Xylene	BQL	0.0500	1	12/6/2005

Comments:
Quantitation at 25°C and 1 atm.

Flags:
BQL = Below quantitation limit.

Reviewed By: 

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Chain-of Custody Record & Analytical Request

COC# 52660

Page 1 of 1

Client: Engineering & Environment | Project ID: LCH 4015 | Date: 11/29/05 | Report To: Bill Morris
Address: 929 Gumbranch rd Suite 5 | Contact: Bill Morris | Turnaround: standard
Address: Jacksonville, NC. 28540 | Phone: 910-989-3214 | Job Number:
Quote #: | Fax: 910-989-3341 | P.O. Number: | Invoice To:

Sample ID	Date	Time	Matrix	Preservatives: none	Analyses: Modified OTM 27&RO	Comments: Please specify any special reporting requirements
						120 min @ 1 LPM
ST645-Primary	11/29/05	12:50	Air	X	1	120 min @ 1 LPM
ST645-Secondary	11/29/05	12:50	Air	X	1	120 min @ 1 LPM
LCH4015-Primary	11/29/05	15:00	Air	X	1	120 min @ 1 LPM
LCH4015-Secondary	11/29/05	15:00	Air	X	1	
						G546-66

Relinquished By	Date	Time	Received By	Date	Time	Temperature	State Certification Requested
Rod Sellers	11/29/05	15:30	Julie Johnston	11/29/05	1010	Ambient	NC ____ SC ____ Other ____
							SEE REVERSE FOR TERMS AND CONDITIONS

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