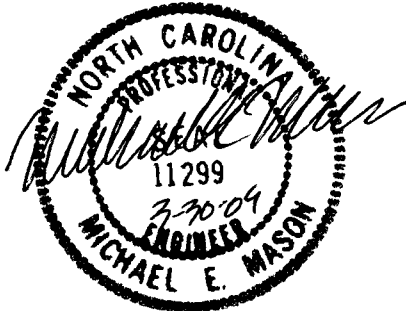


**SOIL CLEANUP REPORT WITH SITE CLOSURE REQUEST
for
TT-2778**

**MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA**

MARCH 30, 2009

CATLIN PROJECT NO. 209-018



PREPARED BY:

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SOIL CLEANUP REPORT (SCR) WITH SITE CLOSURE REQUEST

A. TITLE PAGE

DATE OF REPORT: March 30, 2009
Facility ID: N/A Incident Number (if known): 32524
Site Name: TT-2778
Site Location: Former Building TT-2778, Marine Corps Base (MCB), Camp Lejeune
Nearest City/Town: Jacksonville County: Onslow
Risk Classification: Low Land Use Classification: Residential

UST Owner: Commanding Officer - MCB Camp Lejeune
I&E/EMD/EQB
Address: PSC 20004
MCB Camp Lejeune, NC 28542 Phone: (910) 451-5068

UST
Operator: Same as above
Address: Same as above Phone: Same as above

Property Owner: Same as above
Address: Same as above Phone: Same as above

Property Occupant: Same as Above
Address: Former Building TT-2778 Phone: _____

Consultant/Contractor: CATLIN Engineers and Scientists (CATLIN)
220 Old Dairy Road, Wilmington, North Carolina
Address: 28405 Phone: (910) 452-5861

Release Information

Date Discovered: 9/29/2008
Easting: 282566.892 (UTM, Meters) Northing: 3846218.806 (UTM, Meters)
Estimated Quantity of Release: Unknown
Cause of Release: Unknown

Source of Release (e.g. Piping/UST):

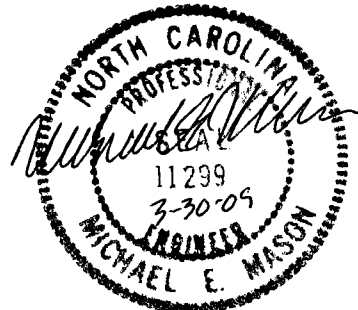
Possible leaks or overflows associated with the underground storage tank (UST).

Sizes and contents of UST system(s) from which the release occurred:

550 gallon #2 Heating Oil UST

I, Michael E. Mason a Professional Engineer/Licensed Geologist (**circle one**) for CATLIN Engineers and Scientists, do certify that the information contained in this report is correct and accurate to the best of my knowledge.

(Please Affix Seal and Signature)



B. EXECUTIVE SUMMARY

The TT-2778 site is located within the Tarawa Terrace housing area of MCB, Camp Lejeune in Onslow County, North Carolina. Building TT-2778 has been demolished and the UST was discovered during demolition. The UST was inactive at the time of discovery but had been used previously to store #2 Heating Oil. The UST was approximately four feet by six feet and had a capacity of approximately 550 gallons.

Osage of Virginia (Osage) conducted the closure of UST TT-2778 at the subject site. Final confirmation soil samples collected from the sidewalls of the over-excavation of the former tank basin indicated the presence of contaminants at concentrations above the Residential Maximum Soil Contaminant Concentrations (MSCCs). Therefore, CATLIN conducted soil assessment activities to define the horizontal and vertical extent of soil contamination at the subject site. Based on the analytical results from the Osage and CATLIN soil sampling, the horizontal and vertical limits of soil contamination were generally delineated at the subject site.

To remediate the remaining vadose zone soil contamination in excess of the Residential MSCCs it was decided that additional soil excavation be conducted. The additional excavation boundaries were developed based on the sample results from the Osage (Tank Closure) and CATLIN (Soil Assessment) investigations.

CATLIN personnel along with their subcontractor were on-site from March 18 through March 20, 2009 conducting the additional soil excavation at the subject site. CATLIN collected three confirmation soil samples from the sidewalls of the excavation. The excavation area was in the general shape of an "L". The smaller area was approximately 25 feet by 10 feet and the larger area was approximately 30 feet by 15 feet. The excavation areas connected and soil was removed to a depth of approximately 13 feet. A total of 498.90 Tons (approximately 332.6 cubic yards) was removed during the additional excavation activities. All excavated soils were weighed on the certified truck scales at the MCB Camp Lejeune Landfill weigh station before transportation by truck to the disposal facility. All excavated soils were disposed at the dedicated land application facility, Pridgen Farms, Inc. (NCDENR Permit No. SR0500106) located in Edgecombe County, North Carolina.

Based on the analytical results from the soil assessment activities, the soil excavation and the confirmation soil sampling, CATLIN concludes that the project site meets the criteria for Residential Land Use and Low Risk classification. The three confirmation soil samples and the five perimeter soil samples from the soil assessment phase of this project exhibited no contaminant concentrations in excess of established Residential MSCCs. Analysis of the site monitoring well groundwater sample collected during the tank closure activities revealed no contaminant concentrations in excess of applicable Gross Contamination Levels (GCLs). Free-phase product was not detected when the monitoring well was gauged during the tank closure activities. CATLIN recommends that the incident be reviewed and considered for No Further Action with a Land Use Restriction (LUR) for groundwater.

C. SITE HISTORY

The TT-2778 site is located within the Tarawa Terrace housing area of MCB, Camp Lejeune in Onslow County, North Carolina. Building TT-2778 has been demolished and the UST was discovered during demolition. The UST was inactive at the time of discovery but had been used previously to store #2 Heating Oil. The UST was approximately four feet by six feet and had a capacity of approximately 550 gallons. See Tables 1 and 2 for UST information.

According to the December 2008 UST Closure Report prepared by Osage of Virginia (Osage), the tank was discovered by Actus Lend Lease (Actus) late on September 25, 2008 while personnel were clearing land as part of the housing demolition. The top of the UST was visible and had been exposed by heavy equipment. On September 26, 2008, Osage conducted a site visit to prepare the tank and area for removal. Upon arrival, Osage personnel noticed the contents of the tank had been released to the surrounding area, in a Northwesterly direction, due to heavy overnight rains. The release was immediately reported to the Base Fire Department and the Environmental Management Division (EMD). Approximately 41.26 tons of contaminated soil was excavated from the release area on September 29, 2008. Approximately 300 gallons of contaminated water was pumped from the tank. The tank was removed and transported to EMD, Resource Conservation and Recovery Section (RCRS) Building 977 for cleaning.

As stated in the UST Closure Report, Osage mobilized to the site on September 29, 2008 to remove the UST. Once the UST was removed, petroleum odor and staining were encountered. A Mini Rae Photo Ionization Detector (PID) was used to scan soils in the tank basin where readings exceeded 50 parts per million (ppm). The initial excavation limits measured approximately 10 feet (Length) x 13 feet (Width) x 9 feet (Depth). An over excavation was performed at the site on October 8, 2008 in an attempt to remove contaminated soil. The final tank closure excavation dimensions were 10 feet (Length) x 13 feet (Width) x 12 feet (Depth). A total of 109.67 tons of contaminated soil was removed from the Building TT-2778 former tank basin as a result of two excavation events. No standing water entered the excavation; however, soils in the former tank basin were moist. As a result, Camp Lejeune decided to immediately backfill the excavation in preparation for the installation of a groundwater monitoring well.

Soil samples were collected during the tank closure initial and over excavations. In addition, a groundwater sample was collected from the temporary monitoring well installed in the center of the former tank basin. The results of these sampling activities are discussed in Section F of this report.

D. RECEPTOR INFORMATION

Receptor information is summarized below and a completed *NCDENR Risk Classification and Land Use Form* can be found in Appendix A.

1. Water Supply Wells

No active potable water wells are located within 1,500 feet of the project site (See Figure 1).

2. Public Water Supplies

Public water is provided to the subject site, as well as other buildings within 1,500 feet of the potential source area by water mains, which carry treated potable water. Potable water is supplied to the site and surrounding areas by the MCB Camp Lejeune water supply system. Groundwater obtained from the Castle Hayne Aquifer is the raw water source for the MCB Camp Lejeune potable water treatment facilities.

3. Surface Water

As illustrated on Figures 1 and 2, an unnamed tributary of the New River lies approximately 1,000 feet to the north of the subject site.

4. Wellhead Protection Areas

MCB Camp Lejeune has identified wellhead protection areas on the base. Based on the most recent Wellhead Protection Plan – 2002 Update, the potential source area is not located within a proposed wellhead protection area.

5. Deep Aquifers in the Coastal Plain Physiographic Region

As identified in the Geologic Map of North Carolina (North Carolina Department of Natural Resources and Community Development, 1985), the subject site lies within the Coastal Plain physiographic province.

The potential source area is located just above an apparent unconfined surficial groundwater aquifer. While there is the potential for recharge by rainfall to the unconfined surficial aquifer at the Base, the surficial aquifer is not used for water supply aboard MCB, Camp Lejeune. Groundwater obtained from the Castle Hayne Aquifer is the raw water source for the MCB, Camp Lejeune potable water treatment facilities.

To determine deep aquifers underlying the subject site, the area was profiled in the “Visual Hydrogeologic Framework” database provided in the NCDENR Division of Water Resources website (VHF website). This is a database of well and soil boring log data from numerous locations across the North Carolina Coastal Plain.

Including the Surficial aquifer there are eleven identified aquifers (seven principal aquifers and four minor aquifers) within the North Carolina Coastal Plain physiographic region. Data from the USMC Camp Lejeune X 24C

boring, advanced in the immediate vicinity of the subject site, indicated the following:

Hydrogeologic Units	Approximate Depth (feet)
Surficial Aquifer	0-59
Castle Hayne Confining Unit	59-76
Castle Hayne Aquifer	76-210

6. Subsurface Structures

Known utilities are illustrated on Figure 3. An underground water line and sanitary sewer line are present at the subject site. Each of these utility lines are new and associated with the planned construction of the new residence at the subject site. The utility lines are located approximately three feet below land surface (BLS).

7. Property Owners and Occupants

The subject site is owned and operated by the Commanding Officer – Marine Corps Base, Camp Lejeune. Refer to Table 2.

E. SITE GEOLOGY

Field observations noted during soil borings installed by CATLIN in February 2009 indicated a tan to brown, very fine to fine silty sand from the land surface to two feet BLS. Generally from two feet to approximately eight feet BLS a tan to olive, organic silty clay with moderate plasticity was encountered. Underlying the clay layer was an approximate one foot thick layer of tan to olive, silty sand. A tan to white, fine sand was encountered from approximately nine to twelve feet BLS. Soil boring TT2778-DPT03 was advanced to 16 feet BLS and indicated that the tan to white, fine sand continued to boring termination. Saturated soil conditions were encountered in the TT2778-DPT03 boring at approximately 12 feet BLS. Boring logs for the soil borings are included in Appendix B.

F. SUMMARY OF SOIL AND GROUNDWATER ASSESSMENT

UST Closure

Once the tank was removed from the subsurface, on September 30, 2008, Osage collected five soil samples as shown on the figures in Appendix A. Soil samples TT2778-S001 through TT2778-S004 were taken from the sidewalls, and sample TT2778-S005 was taken from the bottom of the excavation. Soil samples were analyzed for Total Petroleum Hydrocarbons (TPH) Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) via Environmental Protection Agency (EPA) Method 8015. Only sample TT2778-S005 exhibited detectable TPH GRO concentrations (279 mg/kg). Sample S005 also contained a noncompliant TPH DRO

concentration of 22,500 mg/kg. Osage returned to the site on October 8, 2008 to over excavate soil from the tank basin bottom. Once over-excavation was complete, Osage obtained additional confirmation soil samples TT2778-S006 through TT2778-S009, which were obtained from the tank basin sidewalls at a depth of 11 feet BLS. These samples were sent to SGS Environmental Services, Inc. (SGS) for analysis via EPA Methods 8260, 8270, and MADEP VPH/EPH. As illustrated on the figures in Appendix C, laboratory analysis of the four soil samples showed noncompliant detections of several compounds. The following compounds were detected at concentrations above their Soil-to-Groundwater (STGW) MSCCs, but below their Residential MSCCs: n-Butylbenzene, sec-Butylbenzene, Naphthalene, n-Propylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Total Xylenes, 2-Methylnaphthalene, and C₉-C₁₈ Aliphatics. 4-Isopropylbenzene was detected in soil samples TT2778-S006 through TT2778-S009. There are no established NCDENR MSCCs for this compound. In addition, noncompliant C₉-C₂₂ Aromatics concentrations were detected in all four soil samples. All detected concentrations were above the STGW (34 mg/kg) MSCC and three of the four sample concentrations were above the Residential (469 mg/kg) MSCC. However, none of the sample concentrations exceeded the Industrial/Commercial (12,264 mg/kg) MSCC.

On October 1, 2008 Osage collected seven confirmation soil samples, TT2778-SO01 through TT2778-SO07, following excavation of the surface release area. The samples were collected from the six to 12 inch BLS interval and analyzed for TPH GRO and DRO. As shown on the figure in Appendix C, only soil sample SB04 contained a noncompliant TPH DRO concentration of 43.3 mg/kg. All other results were below method detection limits (MDLs). An over excavation was performed in the area of soil sample TT2778-SO04. An additional confirmation soil sample was collected, TT2778-SO08, at a depth of 14 - 18 inches BLS and analyzed using EPA Methods 8260, 8270, and the MADEP Methods. All results were below MDLs.

A temporary monitoring well, well ID TTII-TW01, was installed within the former tank basin on October 9, 2008 and immediately abandoned following sampling and monitoring for the presence of free product. Osage collected a groundwater sample from temporary monitoring well TTII-TW01 on October 9, 2008. No free product was measured during gauging and sampling activities. Field personnel measured a static water level of 13 feet Below Top of Casing. The sample was sent under proper Chain of Custody to SGS for analysis via EPA Methods 602, 625, and MADEP VPH/EPH. Ethylbenzene and Total Xylenes were detected in groundwater sample TT2778-TW01 at concentrations less than the applicable 2L Groundwater Quality Standards (GWQSs). Naphthalene was detected in groundwater sample TT2778-TW01 at a concentration of 137 µg/L, which is greater than the 2L GWQS of 21 µg/L and less than the GCL of 15,500 µg/L. Laboratory analysis detected MADEP fractions C₉-C₁₈ Aliphatics, C₁₉-C₃₆ Aliphatics and C₉-C₂₂ Aromatics in the groundwater sample at concentrations of 5,326 µg/L, 929 µg/L, and 3,375µg/L, respectively. The C₉-C₁₈ Aliphatics and C₉-C₂₂ Aromatics concentrations are noncompliant as compared to the 2L GWQSs of 4,200 µg/L and 210 µg/L.

As summarized by Osage in the UST Closure Report, final confirmation soil sample

results indicated the presence of C₉-C₂₂ Aromatics in the former tank basin area at a depth of approximately 11 feet BLS at concentrations above the STGW (34 mg/kg) and Residential (469 mg/kg) MSCCs, but below the Industrial/Commercial (12,264 mg/kg) MSCC. All other detected compounds were below their applicable Residential MSCCs. Groundwater conditions within the former tank basin were monitored by the installation of a temporary monitoring well. Groundwater sample TT2778-TW01 exhibited Naphthalene, the C₉-C₁₈ Aliphatics and C₉-C₂₂ Aromatics at concentrations above the 2L GWQSs. All other compounds were either below the MDLs or less than the applicable 2L GWQS.

In the UST Closure Report, Osage concluded that since site soils contained C₉-C₂₂ Aromatics at concentrations above the Residential MSCC, MCB Camp Lejeune would need to further define the extent of soil contamination.

Soil Assessment

In an attempt to define the extent of vadose zone soil contamination CATLIN conducted soil assessment activities. On February 11, 2009, CATLIN personnel collected soil samples TT2778-DPT01 10-11' through TT2778-DPT06 10-11'; samples TT2778-DPT04 4-6' and TT2778-DPT05 4-6'; and TT2778-DPD07 10-11' at the TT-2778 site. Sample TT2778-DPD07 10-11' was a field duplicate from TT2778-DPT05 10-11' which was labeled blind to the laboratory. Soil samples were collected continuously during boring advancement and divided into two foot intervals for description. Soil samples were collected from the surface to the water table (estimated at 12 to 13 feet BLS) and visually examined for evidence of a release and screened using a PID. At borings TT2778-DPT04 and TT2778-DPT05 located north of the former tank two laboratory soil samples were collected, one sample from the four to six feet BLS interval and one sample from 10-11 feet BLS interval. The additional soil samples at these two borings were collected to assess the potential for shallow soil contamination associated with the surface release which occurred during the tank closure activities.

The soil samples collected by CATLIN were obtained in accordance with the methods specified in the Workplan. Each soil boring was immediately abandoned with bentonite following the collection of the samples. The soil samples were placed in laboratory glassware, labeled, placed immediately on ice in a cooler, and transported under proper Chain-of-Custody protocol to SGS Environmental Services, Inc. in Wilmington, North Carolina. Analytical results are included in Appendix D and are summarized as follows:

EPA Method 8260B/5035

As indicated in Table 3A and illustrated on Figure 4A, several EPA Method 8260 compounds were detected in one or more of the soil samples. In sample TT2778-DPT05 10-11' and the blind duplicate sample TT2778-DPD07 10-11', 4-Isopropyltoluene was detected at concentrations of 0.625 mg/kg and 0.468 mg/kg, respectively. Please note, there are no established MSCCs for this compound, therefore any detection is considered reportable. 4-Isopropyltoluene, with molecular

formula $C_{10}H_{14}$, is an Aromatic compound whose structure is based on the Benzene ring. By definition, Aromatics are carbon compounds whose structures are based on rings of carbon. 4-Isopropyltoluene contains ten carbon atoms and has a ringed structure, so detections can be compared to the MSCCs for the C_9 - C_{22} Aromatics hydrocarbon fraction. A comparison of the detected concentrations of 4-Isopropyltoluene to the MSCCs for the C_9 - C_{22} Aromatics hydrocarbon fraction reveals that the concentrations were well below the MSCCs. Methylene Chloride was detected at estimated concentrations of 0.138 mg/kg and 0.0641 mg/kg in the TT2778-DPT05 10-11' and TT2778-DPD07 10-11' samples, respectively, each of these concentrations exceeded the STGW MSCC of 0.02 mg/kg for this compound. However, it is believed the detections of Methylene Chloride are most likely laboratory artifact due to their use as common laboratory solvents. In samples TT2778-DPT05 10-11' and TT2778-DPD07 10-11', Naphthalene was detected at concentrations of 3.61 mg/kg and 1.99 mg/kg, respectively, both of which were in excess of the STGW MSCC of 0.58 mg/kg for this compound. The other detected EPA Method 8260 compounds were revealed at concentrations below the lowest MSCCs.

EPA Method 8270

As indicated in Table 3B and illustrated on Figure 4B, three EPA Method 8270 compounds were detected in one or more of the soil samples. In samples TT2778-DPT04 10-11' and TT2778-DPT05 10-11', Phenanthrene was detected at concentrations of 0.083 mg/kg and 4.02 mg/kg respectively, neither of these concentrations were in excess of the MSCCs for this compound. In sample TT2778-DPT05 10-11', 2-Methylnaphthalene and Naphthalene were detected at concentrations of 16.2 mg/kg and 3.06 mg/kg, respectively, both of which were in excess of the STGW MSCCs. No other EPA Method 8270 compounds were detected above the laboratory MDLs.

MADEP VPH/EPH

As indicated in Tables 3C and 3D and illustrated on Figure 4C, the C_9 - C_{18} Aliphatics and C_{19} - C_{36} Aliphatics hydrocarbon fractions were detected in one or more of the soil samples collected, however all concentrations were well below the STGW MSCCs. Hydrocarbon fractions of C_9 - C_{22} Aromatics were detected in sample TT2778-DPT05 10-11', at a concentration of 760 mg/kg which was above the STGW and Residential MSCC for this compound. No other MADEP VPH/EPH compounds were detected above the laboratory MDLs.

Data collected by CATLIN during the soil assessment phase of this project indicated that one soil sample (TT2778-DPT05 10-11') contained concentrations of C_9 - C_{22} Aromatics above the Residential MSCCs. The soil samples collected from the other five borings installed during the soil assessment phase revealed no contaminant concentrations in excess of any established Residential MSCCs. Therefore, the soil assessment activities were successful in defining the horizontal and vertical extent of soil contamination at the subject site.

formula $C_{10}H_{14}$, is an Aromatic compound whose structure is based on the Benzene ring. By definition, Aromatics are carbon compounds whose structures are based on rings of carbon. 4-Isopropyltoluene contains ten carbon atoms and has a ringed structure, so detections can be compared to the MSCCs for the C_9 - C_{22} Aromatics hydrocarbon fraction. A comparison of the detected concentrations of 4-Isopropyltoluene to the MSCCs for the C_9 - C_{22} Aromatics hydrocarbon fraction reveals that the concentrations were well below the MSCCs. Methylene Chloride was detected at estimated concentrations of 0.138 mg/kg and 0.0641 mg/kg in the TT2778-DPT05 10-11' and TT2778-DPD07 10-11' samples, respectively, each of these concentrations exceeded the STGW MSCC of 0.02 mg/kg for this compound. However, it is believed the detections of Methylene Chloride are most likely laboratory artifact due to their use as common laboratory solvents. In samples TT2778-DPT05 10-11' and TT2778-DPD07 10-11', Naphthalene was detected at concentrations of 3.61 mg/kg and 1.99 mg/kg, respectively, both of which were in excess of the STGW MSCC of 0.58 mg/kg for this compound. The other detected EPA Method 8260 compounds were revealed at concentrations below the lowest MSCCs.

EPA Method 8270

As indicated in Table 3B and illustrated on Figure 4B, three EPA Method 8270 compounds were detected in one or more of the soil samples. In samples TT2778-DPT04 10-11' and TT2778-DPT05 10-11', Phenanthrene was detected at concentrations of 0.083 mg/kg and 4.02 mg/kg respectively, neither of these concentrations were in excess of the MSCCs for this compound. In sample TT2778-DPT05 10-11', 2-Methylnaphthalene and Naphthalene were detected at concentrations of 16.2 mg/kg and 3.06 mg/kg, respectively, both of which were in excess of the STGW MSCCs. No other EPA Method 8270 compounds were detected above the laboratory MDLs.

MADEP VPH/EPH

As indicated in Tables 3C and 3D and illustrated on Figure 4C, the C_9 - C_{18} Aliphatics and C_{19} - C_{36} Aliphatics hydrocarbon fractions were detected in one or more of the soil samples collected, however all concentrations were well below the STGW MSCCs. Hydrocarbon fractions of C_9 - C_{22} Aromatics were detected in sample TT2778-DPT05 10-11', at a concentration of 760 mg/kg which was above the STGW and Residential MSCC for this compound. No other MADEP VPH/EPH compounds were detected above the laboratory MDLs.

Data collected by CATLIN during the soil assessment phase of this project indicated that one soil sample (TT2778-DPT05 10-11') contained concentrations of C_9 - C_{22} Aromatics above the Residential MSCCs. The soil samples collected from the other five borings installed during the soil assessment phase revealed no contaminant concentrations in excess of any established Residential MSCCs. Therefore, the soil assessment activities were successful in defining the horizontal and vertical extent of soil contamination at the subject site.

Based on the analytical results from the Osage and CATLIN soil sampling, the horizontal and vertical limits of soil contamination were essentially delineated at the subject site. The three sidewall samples (TT2778-S006, TT2778-S008 and TT2778-S009) from the tank closure excavation and the TT2778-DPT05 sample collected by CATLIN each revealed the C₉-C₂₂ Aromatics hydrocarbon fractions at concentrations above the Residential MSCCs. To be conservative CATLIN estimated the area of contaminated soil to be horizontally from the clean fill from the previous excavation to the location of the five perimeter compliant soil samples collected during the soil assessment activities. Soil within this boundary was assumed to be contaminated from the land surface to the water table (approximately 12-13' BLS).

G. SOIL REMEDIATION

To remediate the remaining vadose zone soil contamination in excess of the Residential MSCCs it was decided that additional soil excavation be conducted. The additional excavation boundaries were developed based on the sample results from the Osage (Tank Closure) and CATLIN (Soil Assessment) investigations.

On March 17, 2009 CATLIN personnel met on-site with a private utility locator to mark underground utilities in the vicinity of the excavation. A large area around the proposed excavation area had been fenced off with orange construction fencing by Actus. Also on March 17, 2009, CATLIN personnel marked the proposed boundaries of the excavation area. As illustrated on Figure 5, the excavation area was in the general shape of an "L". The smaller area was approximately 25 feet by 10 feet and the larger area was approximately 30 feet by 15 feet. In the afternoon personnel from the soil excavation and disposal contractor, P&F Environmental, Inc. (P&F) arrived on-site with a track-hoe to be used for the soil excavation. P&F left the track-hoe on-site and CATLIN personnel left the site. The orange construction fencing was left in place to block off the area around the proposed excavation.

CATLIN personnel along with personnel from P&F were on-site from March 18 through March 20, 2009 conducting the additional soil excavation at the subject site. On the morning of March 18, 2009 before beginning soil removal CATLIN personnel discussed site safety issues with P&F personnel, after the safety discussion a portion of the orange construction fencing was pulled back and soil removal actions commenced. Removed soil was loaded directly onto trucks from the excavation. Trucks loaded with soil from the excavation were weighed at the MCB Camp Lejeune Landfill truck scales. CATLIN personnel were on-site to conduct excavation oversight and collection of confirmation soil samples. CATLIN personnel documented the number of trucks loaded with excavated soil and the number of trucks arriving with clean fill material each day. Clean fill material was placed directly into the excavation as there was no area to stockpile the clean fill material on site. The fill material was not placed into the excavation area until the confirmation soil sample for that area was collected. Fill material was tamped and compacted with the track-hoe bucket and by driving the track-hoe over the

excavation area. Removal of soil from the excavation was completed on the afternoon of March 19, 2009. However, backfilling of the excavation area was not completed until the morning on March 20, 2009. A final inspection was completed by CATLIN personnel on March 20, 2009 thereby restoring the site to its original condition. The orange construction fencing was put back in place as found during arrival at the site.

A soil manifest was completed for each truck loaded with excavated soil. The manifest was signed by the driver and MCB Camp Lejeune personnel. Subsequently, the manifests were signed by the disposal facility upon arrival and disposal of the soil. A copy of each of the final soil manifests is included in Appendix E.

As previously stated, the excavation area was in the general shape of an "L". The smaller area was approximately 25 feet by 10 feet and the larger area was approximately 30 feet by 15 feet. The excavation areas connected and soil was removed to a depth of approximately 13 feet. A total of 498.90 Tons (approximately 332.6 cubic yards) was removed during the additional excavation activities. A total of 525 Tons (approximately 350 cubic yards) of clean backfill was placed and compacted into the excavation area. Figure 5 depicts the boundaries of the additional soil excavation.

All excavated soils were weighed on the truck scales at the MCB Camp Lejeune Landfill weigh station before transportation by truck to the disposal facility. All excavated soils were disposed at the dedicated land application facility, Pridgen Farms, Inc. (NCDENR Permit No. SR0500106) located in Edgecombe County, North Carolina.

H. POST-REMEDATION SAMPLING

CATLIN personnel collected grab soil sample TT2778-EX-3 on March 18, 2009 and grab soil samples TT2778-EX-1 and TT2778-EX-2 on March 19, 2009. Each of the soil samples were collected from an undisturbed portion of soil directly from the track-hoe bucket after retrieval from the excavation. All three soil samples were collected from the sidewalls of the excavation at a depth of 10-11' BLS. Each soil sample was noted for any hydrocarbon odor and then a portion was placed into a plastic Ziploc bag and then the sample headspace was screened with a MiniRAE[®] 2000 PID. Sample glassware was filled with the undisturbed portion of soil directly from the track-hoe bucket

The soil samples collected by CATLIN were obtained in accordance with the methods specified in the Workplan. The soil samples were placed in laboratory glassware, labeled, placed immediately on ice in a cooler, and transported under proper Chain-of-Custody protocol to SGS Environmental Services, Inc. in Wilmington, North Carolina. At the laboratory, soil samples were analyzed for volatile organic compounds via EPA Method 8260, semi-volatile organic compounds via EPA Method 8270, and MADEP EPH/VPH. Analytical results are included in

Appendix D and are summarized as follows:

EPA Method 8260B/5035

As indicated in Table 4A and illustrated on Figure 6A, six EPA Method 8260 compounds were detected in confirmation soil sample TT2778-EX-2. 4-Isopropyltoluene was detected at an estimated concentration of 0.00272 mg/kg. Please note, there are no established MSCCs for this compound. Since the 4-Isopropyltoluene does not have established MSCCs, any detection is considered reportable. 4-Isopropyltoluene, with molecular formula $C_{10}H_{14}$, is an Aromatic compound whose structure is based on the Benzene ring. By definition, Aromatics are carbon compounds whose structures are based on rings of carbon. 4-Isopropyltoluene contains ten carbon atoms and has a ringed structure, so detections can be compared to the MSCCs for the C_9 - C_{22} Aromatics hydrocarbon fraction. A comparison of the detected concentration of 4-Isopropyltoluene to the MSCCs for the C_9 - C_{22} Aromatics hydrocarbon fraction reveals that the concentration of 0.00272 mg/kg is well below the MSCCs. The other detected EPA Method 8260 compounds in sample TT2778-EX-2 were revealed at concentrations below the lowest MSCCs. No EPA Method 8260 compounds were detected above the MDLs in the TT2778-EX-1 or TT2778-EX-3 confirmation soil samples.

EPA Method 8270

As indicated in Table 4B and illustrated on Figure 6B, ten EPA Method 8270 compounds were detected in confirmation soil sample TT2778-EX-2. However, none of the detected EPA Method 8270 compounds were revealed at concentrations above any of the MSCCs. No EPA Method 8270 compounds were detected above the MDLs in the TT2778-EX-1 or TT2778-EX-3 confirmation soil samples.

MADEP VPH/EPH

As indicated in Tables 4C and 4D and illustrated on Figure 6C; the C_9 - C_{18} Aliphatics C_{19} - C_{36} Aliphatics, and C_9 - C_{22} Aromatics hydrocarbon fractions were detected in confirmation soil sample TT2778-EX-2 at concentrations of <561 mg/kg, 137 mg/kg, and <263 mg/kg, respectively. The detected concentrations of the C_9 - C_{18} Aliphatics and the C_{19} - C_{36} Aliphatics hydrocarbon fractions were below the established MSCCs. However, the detected concentration of the C_9 - C_{22} Aromatics hydrocarbon fractions were at concentrations which were above the STGW MSCC but below the Residential MSCC for this compound. No MADEP VPH/EPH compounds were detected above the MDLs in the TT2778-EX-1 or TT2778-EX-3 confirmation soil samples.

I. CONCLUSIONS AND PETITION FOR SITE CLOSURE

Based on the analytical results from the soil assessment activities, the soil excavation and the confirmation soil sampling, CATLIN concludes that the project site meets the criteria for Residential Land Use and Low Risk classification. In order

to achieve a Residential Land Use and Low Risk classification, all soil sample analysis results must be compliant with applicable Residential MSCCs, all groundwater samples must be compliant with applicable GCLs, and no free-phase product may be present.

The three confirmation soil samples and the five perimeter soil samples from the soil assessment phase of this project exhibited no contaminant concentrations in excess of established Residential MSCCs. Analysis of the site monitoring well groundwater sample revealed no contaminant concentrations in excess of applicable GCLs. Free-phase product was not detected when the monitoring well was gauged during the tank closure activities. CATLIN recommends that the incident be reviewed and considered for No Further Action (NFA) with a Land Use Restriction (LUR) for groundwater.

J. PUBLIC NOTICE

Public notice will be required since soil contamination remains on-site at concentrations in excess of the STGW MSCCs and groundwater contamination remains in excess of the 2L GWQSs. In addition, a Notice of Residual Petroleum (NRP) with LUR will be required at the subject site since groundwater contamination exists in excess of the 2L GWQSs.

K. LIMITATIONS

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

L. REFERENCES

CATLIN Engineers and Scientists. *Workplan/Health and Safety Plan, Site TT-2778 – Soil Assessment*. Marine Corps Base, Camp Lejeune, NC. February 6, 2009.

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Osage of Virginia. *Underground Storage Tank Closure Report, UST TT-2778, Tarawa Terrace*, Marine Corps Base, Camp Lejeune, NC dated December 22, 2008.

North Carolina Department of Natural Resources and Community Development. *Geologic Map of North Carolina*. 1985.

North Carolina Department of Environment and Natural Resources (NCDENR), Division of Water Resources, Hydrogeology Framework Database.
http://www.ehnr.state.nc.us/Data_and_Modeling/Ground_Water_Databases/rametstnew.php.

TABLES

TABLE 1

SITE HISTORY - UST SYSTEM INFORMATION

**SOIL CLEANUP REPORT WITH SITE CLOSURE REQUEST
TT-2778**

**MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA**

UST ID Number	Product (gasoline, diesel, jet fuel, etc.)	Capacity (gallons)	Date Installed (mm/dd/yy)	Date Permanently Closed (P), or Still in Use* (C) (mm/dd/yy)	Was Release Associated With UST System? (Yes / No)
TT-2778	#2 Heating Oil	550	Unknown	(P) 9/29/2008	Unknown

* Still in use means not permanently closed.

TABLE 2

SITE HISTORY - UST OWNER/OPERATOR INFORMATION

SOIL CLEANUP REPORT WITH SITE CLOSURE REQUEST

TT-2778

**MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA**

UST ID Number	Name of Owner or Operator	Dates of Ownership/Operation (mm/dd/yy) to (mm/dd/yy)	Address	Telephone Number
TT-2778	Commanding General Marine Corps Base Camp Lejeune, NC	Unknown to 9/29/2008	PSC BOX 20004 Marine Corps Base Camp Lejeune, NC 28542	(910) 451-5068

**TABLE 3A
SUMMARY OF SOIL ASSESSMENT LABORATORY RESULTS
EPA METHOD 8260B/5035**

Incident Name and No.: TT-2778 - 32524

Sample ID	Contaminant of Concern →		n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Ethylbenzene	Isopropylbenzene	4-Isopropyltoluene	Methylene chloride	Naphthalene	n-Propyl benzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	All Other EPA Method 8260B/5035 Compounds
	Date Collected	Sample Depth (ft. BLS)													
Residential MSCC (mg/kg)			626	626	626	1,560	1,564	NE	85	313	626	782	782	3,129	Varies
Industrial/Commercial MSCC (mg/kg)			16,350	16,350	16,350	40,000	40,880	NE	763	8,176	16,350	20,440	20,440	81,760	Varies
STGW MSCC (mg/kg)			4.3	3.3	3.4	4.6	1.7	NE	0.02	0.58	1.7	7.5	7.3	5	Varies
TT2778-DPT01 10-11'	2/11/2009	10-11	<0.00094	<0.00100	<0.00110	<0.00085	<0.00088	<0.00105	<0.00117	<0.00084	<0.00124	<0.00124	<0.00112	<0.00285	BMDL
TT2778-DPT02 10-11'	2/11/2009	10-11	<0.00102	<0.00107	<0.00119	<0.00092	<0.00095	<0.00114	<0.00127	<0.00090	<0.00134	<0.00134	<0.00121	<0.00307	BMDL
TT2778-DPT03 10-11'	2/11/2009	10-11	<0.00097	<0.00103	<0.00114	<0.00088	<0.00090	<0.00109	<0.00121	<0.00086	<0.00128	<0.00128	<0.00116	<0.00293	BMDL
TT2778-DPT04 4-6'	2/11/2009	4-6	<0.00098	<0.00104	<0.00115	<0.00089	<0.00091	<0.00110	<0.00123	<0.00088	<0.00130	<0.00130	<0.00117	<0.00298	BMDL
TT2778-DPT04 10-11'	2/11/2009	10-11	0.00116 J	<0.00098	<0.00108	<0.00084	<0.00086	<0.00104	<0.00115	0.00469 J	<0.00122	<0.00122	<0.00110	<0.00280	BMDL
TT2778-DPT05 4-6'	2/11/2009	4-6	<0.00101	<0.00107	<0.00119	<0.00092	<0.00094	<0.00114	<0.00126	<0.00090	<0.00134	<0.00134	<0.00121	<0.00307	BMDL
TT2778-DPT05 10-11'	2/11/2009	10-11	<0.0207	0.605	0.0246 J	0.116 J	0.142 J	0.625	0.138 J	3.61	0.354	3.61	0.919	<0.2343 J	BMDL
TT2778-DPT06 10-11'	2/11/2009	10-11	<0.00092	<0.00097	<0.00108	<0.00083	<0.00085	<0.00103	<0.00115	<0.00082	<0.00121	<0.00121	<0.00110	<0.00278	BMDL
TT2778-DPD07 10-11'	2/11/2009	10-11	<0.0106	0.442	0.0223 J	0.0757 J	0.0981	0.468	0.0641 J	1.99	0.244	2.56	0.680	<0.15631 J	BMDL

All results in milligrams per kilogram (mg/kg).

Soil sample TT2778-DPD07 10-11' was a blind duplicate of TT2778-DPT05 10-11'.

BMDL = Below Method Detection Limit

NE = None Established

ft. BLS = Feet Below Land Surface

< = Less than method detection limit

J = Estimated concentration, below calibration range and above MDL

STGW = Soil-to-Groundwater

MSCCs = Maximum Soil Contaminant Concentrations

Bold results indicate concentration above the lowest MSCC.

**TABLE 3B
SUMMARY OF SOIL ASSESSMENT LABORATORY RESULTS
EPA METHOD 8270**

Incident Name and No.: TT-2778 - 32524

Sample ID	Contaminant of Concern →		2-Methylnaphthalene	Naphthalene	Phenanthrene	All Other EPA Method 8270 Compounds
	Date Collected	Sample Depth (ft. BLS)				
Residential MSCC (mg/kg)			63	313	469	Varies
Industrial/Commercial MSCC (mg/kg)			1,635	8,176	12,264	Varies
STGW MSCC (mg/kg)			1.7	0.58	60	Varies
TT2778-DPT01 10-11'	2/11/2009	10-11	<0.054	<0.046	<0.046	BMDL
TT2778-DPT02 10-11'	2/11/2009	10-11	<0.057	<0.049	<0.049	BMDL
TT2778-DPT03 10-11'	2/11/2009	10-11	<0.053	<0.045	<0.045	BMDL
TT2778-DPT04 4-6'	2/11/2009	4-6	<0.067	<0.057	<0.057	BMDL
TT2778-DPT04 10-11'	2/11/2009	10-11	<0.054	<0.047	0.083 J	BMDL
TT2778-DPT05 4-6'	2/11/2009	4-6	<0.068	<0.059	<0.059	BMDL
TT2778-DPT05 10-11'	2/11/2009	10-11	16.2	3.06 J	4.02	BMDL
TT2778-DPT06 10-11'	2/11/2009	10-11	<0.057	<0.049	<0.049	BMDL

All results in milligrams per kilogram (mg/kg).

BMDL = Below Method Detection Limit

ft. BLS = Feet Below Land Surface

< = Less than method detection limit

J = Estimated concentration, below calibration range and above MDL

STGW = Soil-to-Groundwater

MSCCs = Maximum Soil Contaminant Concentrations

Bold results indicate concentration above the lowest MSCC.

**TABLE 3C
SUMMARY OF SOIL ASSESSMENT LABORATORY RESULTS
MADEP VP/EPH**

Incident Name and No.: TT-2778 - 32524

Sample ID	Contaminant of Concern →		C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatics
	Date Collected	Sample Depth (ft. BLS)						
TT2778-DPT01 10-11'	2/11/2009	10-11	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
TT2778-DPT02 10-11'	2/11/2009	10-11	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
TT2778-DPT03 10-11'	2/11/2009	10-11	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
TT2778-DPT04 4-6'	2/11/2009	4-6	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
TT2778-DPT04 10-11'	2/11/2009	10-11	<10.0	<10.0	<10.0	46.7	<10.0	<10.0
TT2778-DPT05 4-6'	2/11/2009	4-6	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
TT2778-DPT05 10-11'	2/11/2009	10-11	<10.0	46.9	109	1380	198	651
TT2778-DPT06 10-11'	2/11/2009	10-11	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All results in milligrams per kilogram (mg/kg).

ft. BLS = Feet Below Land Surface

< = Less than method detection limit

**TABLE 3D
SUMMARY OF SOIL ASSESSMENT LABORATORY RESULTS
MADEP VPH/EPH AS COMPARED TO NCDENR MSCCs**

Incident Name and No.: TT-2778 - 32524

Sample ID	Contaminant of Concern →		C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics	
	Date Collected	Sample Depth (ft. BLS)					
Residential MSCC (mg/kg)			939	9,386	93,860	469	
Industrial/Commercial MSCC (mg/kg)			24,528	245,280	#	12,264	
STGW MSCC (mg/kg)			72	3,300	##	34	
TT2778-DPT01	10-11'	2/11/2009	10-11	<10.0	<20.0	<10.0	<20.0
TT2778-DPT02	10-11'	2/11/2009	10-11	<10.0	<20.0	<10.0	<20.0
TT2778-DPT03	10-11'	2/11/2009	10-11	<10.0	<20.0	<10.0	<20.0
TT2778-DPT04	4-6'	2/11/2009	4-6	<10.0	<20.0	<10.0	<20.0
TT2778-DPT04	10-11'	2/11/2009	10-11	<10.0	<56.7*	<10.0	<20.0
TT2778-DPT05	4-6'	2/11/2009	4-6	<10.0	<20.0	<10.0	<20.0
TT2778-DPT05	10-11'	2/11/2009	10-11	<10.0	1426.9	198	760
TT2778-DPT06	10-11'	2/11/2009	10-11	<10.0	<20.0	<10.0	<20.0

All results in milligrams per kilogram (mg/kg).

= Health based level (> 100%)

= Considered Immobile

ft. BLS = Feet Below Land Surface

< = Less than method detection limit

STGW = Soil-to-Groundwater

MSCCs = Maximum Soil Contaminant Concentrations

Bold results indicate concentration above the lowest MSCC.

* = The value represents the sum of the reported practical quantitation limit of one fraction and the detected concentration of the other fraction.

**TABLE 4A
SUMMARY OF CONFIRMATION SOIL SAMPLE LABORATORY RESULTS
EPA METHOD 8260B/5035**

Incident Name and No.: TT-2778 - 32524

Sample ID	Contaminant of Concern →		Acetone	n-Butylbenzene	4-Isopropyltoluene	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	All Other EPA Method 8260B/5035 Compounds
	Date Collected	Sample Depth (ft. BLS)							
Residential MSCC (mg/kg)			1,564	626	NE	313	782	782	Varies
Industrial/Commercial MSCC (mg/kg)			40,880	16,350	NE	8,176	20,440	20,440	Varies
STGW MSCC (mg/kg)			2.8	4.3	NE	0.58	7.5	7.3	Varies
TT2778-EX-1	3/19/2009	10-11	<0.00939	<0.00130	<0.00145	<0.00115	<0.00171	<0.00155	BMDL
TT2778-EX-2	3/19/2009	10-11	0.0291 J	0.00113 J	0.00272 J	0.113	0.0316	0.0235	BMDL
TT2778-EX-3	3/18/2009	10-11	<0.00673	<0.00093	<0.00104	<0.00083	<0.00123	<0.00111	BMDL

All results in milligrams per kilogram (mg/kg).

BMDL = Below Method Detection Limit

NE = None Established

ft. BLS = Feet Below Land Surface

< = Less than method detection limit

J = Estimated concentration, below calibration range and above MDL

STGW = Soil-to-Groundwater

MSCC = Maximum Soil Contaminant Concentration

Bold results indicate concentration above the lowest MSCC.

**TABLE 4B
SUMMARY OF CONFIRMATION SOIL SAMPLE LABORATORY RESULTS
EPA METHOD 8270**

Incident Name and No.: TT-2778 - 32524

Sample ID	Contaminant of Concern →		Acenaphthene	Acenaphthylene	Anthracene	Dibenzofuran	Fluoranthene	Fluorene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	All Other EPA Method 8270 Compounds
	Date Collected	Sample Depth (ft. BLS)											
Residential MSCC (mg/kg)			940	469	4,600	62	620	620	63	313	469	469	Varies
Industrial/Commercial MSCC (mg/kg)			24,000	12,264	122,000	1,635	16,400	16,400	1,635	8,176	12,264	12,264	Varies
STGW MSCC (mg/kg)			8.2	11	1,000	4.7	280	44	1.7	0.58	60	290	Varies
TT2778-EX-1	3/19/2009	10-11	<0.050	<0.046	<0.045	<0.046	<0.053	<0.051	<0.054	<0.046	<0.046	<0.045	BMDL
TT2778-EX-2	3/19/2009	10-11	0.245 J	0.116 J	0.123 J	0.220 J	0.055 J	0.588	0.601	0.507	1.21	0.129 J	BMDL
TT2778-EX-3	3/18/2009	10-11	<0.046	<0.042	<0.041	<0.042	<0.048	<0.047	<0.049	<0.042	<0.042	<0.041	BMDL

All results in milligrams per kilogram (mg/kg).

BMDL = Below Method Detection Limit

NE = None Established

ft. BLS = Feet Below Land Surface

< = Less than method detection limit

J = Estimated concentration, below calibration range and above MDL

STGW = Soil-to-Groundwater

MSCC = Maximum Soil Contaminant Concentration

TABLE 4C
SUMMARY OF CONFIRMATION SOIL SAMPLE LABORATORY RESULTS
MADEP VPH/EPH

Incident Name and No.: TT-2778 - 32524

Sample ID	Contaminant of Concern →		C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatics
	Date Collected	Sample Depth (ft. BLS)						
TT2778-EX-1	3/19/2009	10-11	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
TT2778-EX-2	3/19/2009	10-11	<10.0	<10.0	<10.0	551	137	253
TT2778-EX-3	3/18/2009	10-11	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All results in milligrams per kilogram (mg/kg).

ft. BLS = Feet Below Land Surface

< = Less than method detection limit

**TABLE 4D
SUMMARY OF CONFIRMATION SOIL SAMPLE LABORATORY RESULTS
MADEP VPH/EPH AS COMPARED TO NCDENR MSCCs**

Incident Name and No.: TT-2778 - 32524

Sample ID	Contaminant of Concern →		C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics
	Date Collected	Sample Depth (ft. BLS)				
Residential MSCC (mg/kg)			939	9,386	93,860	469
Industrial/Commercial MSCC (mg/kg)			24,528	245,280	#	12,264
STGW MSCC (mg/kg)			72	3,300	##	34
TT2778-EX-1	3/19/2009	10-11	<10.0	<20.0	<10.0	<20.0
TT2778-EX-2	3/19/2009	10-11	<10.0	<561*	137	<263*
TT2778-EX-3	3/18/2009	10-11	<10.0	<20.0	<10.0	<20.0

All results in milligrams per kilogram (mg/kg).

= Health based level (> 100%)

= Considered Immobile

ft. BLS = Feet Below Land Surface

< = Less than method detection limit

STGW = Soil-to-Groundwater

MSCCs = Maximum Soil Contaminant Concentrations

Bold results indicate concentration above the lowest MSCC.

* = The value represents the sum of the reported practical quantitation limit of one fraction and the detected concentration of the other fraction.

FIGURES

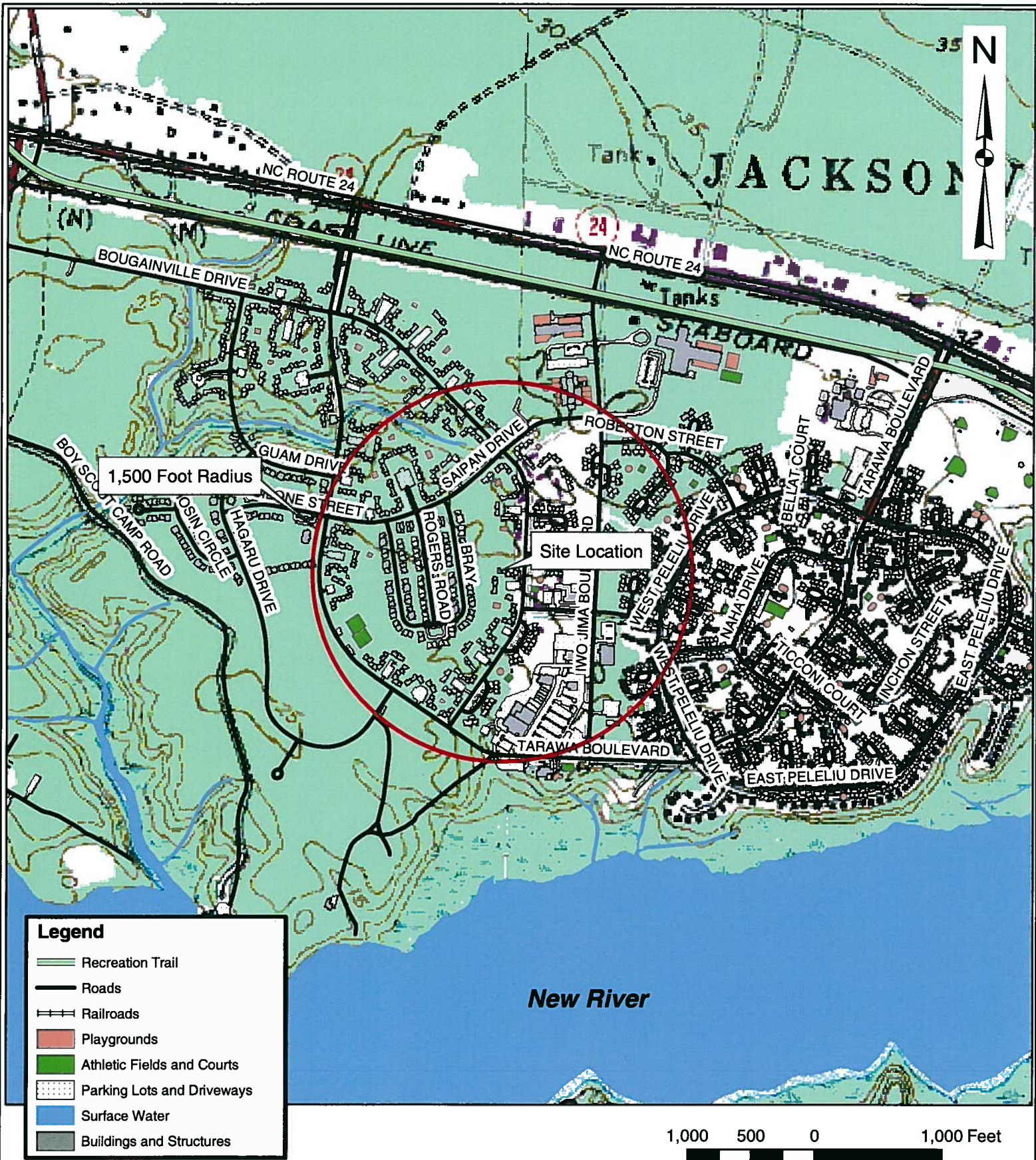


Legend


- Potable Water Supply Wells
- Non-potable Water Supply Wells
- Roads
- Railroads
- Parking Lots and Driveways
- Surface Water
- Buildings and Structures

Data Sources: Data Layers provided by MCB Camp Lejeune GIS Office.

	PROJECT	TITLE	FIGURE 1	
	SOIL CLEANUP REPORT WITH SITE CLOSURE REQUEST BUILDING TT-2778 MARINE CORPS BASE CAMP LEJEUNE, NC	SITE LOCATION AND 1,500' WATER WELL SURVEY		
JOB NO.	DATE	SCALE	DRAWN BY	CHECKED BY
209-018	MAR 2009	AS SHOWN	SAC	MEM



Data Sources: Data Layers provided by MCB Camp Lejeune GIS Office.

	PROJECT SOIL CLEANUP REPORT WITH SITE CLOSURE REQUEST BUILDING TT-2778 MARINE CORPS BASE CAMP LEJEUNE, NC		TITLE SITE LOCATION WITH PLACES OF PUBLIC ASSEMBLY		FIGURE 2
	JOB NO. 209-018	DATE MAR 2009	SCALE AS SHOWN	DRAWN BY SAC	

**SOIL CLEANUP REPORT WITH
SITE CLOSURE REQUEST
TT-2778
MARINE CORPS BASE
CAMP LEJEUNE, NC**



LEGEND

-  DPT Soil Sample Location
-  Historical Soil Sample Location
-  Tank Excavation Area
-  Surface Spill Excavation Area
-  Sewer Line
-  Water Line
-  Demolished Buildings and Structures
-  Slabs
-  Driveways
-  Parking Lots

NOTES

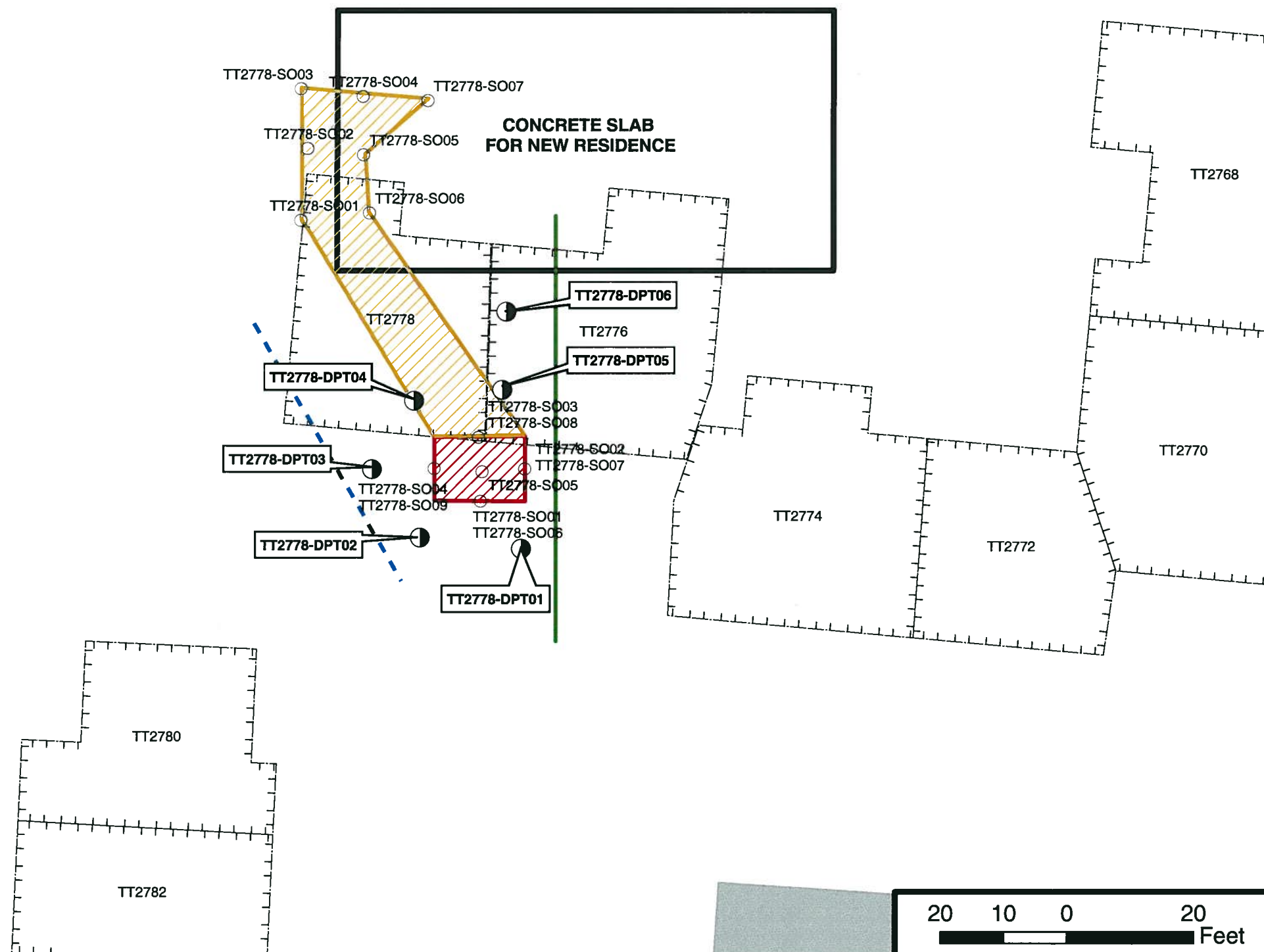
1. Data layers provided by MCB Camp Lejeune GIS office or GPS survey by CATLIN.



SITE PLAN WITH UTILITIES

FIGURE

3



Job No.: 209-018	Date: MAR 2009	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**SOIL CLEANUP REPORT WITH
SITE CLOSURE REQUEST
TT-2778
MARINE CORPS BASE
CAMP LEJEUNE, NC**



LEGEND

- DPT Soil Sample Location
- Historical Soil Sample Location
- ▨ Tank Excavation Area
- ▧ Surface Spill Excavation Area
- Demolished Buildings and Structures
- ▭ Slabs
- ▬ Driveways
- ▨ Parking Lots

NOTES

1. Data layers provided by MCB Camp Lejeune GIS office or GPS survey by CATLIN.



**SITE PLAN WITH SOIL ASSESSMENT
LABORATORY RESULTS - EPA
METHOD 8260B/5035**

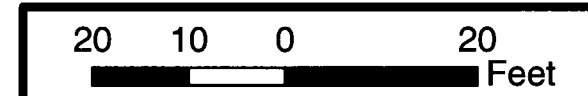
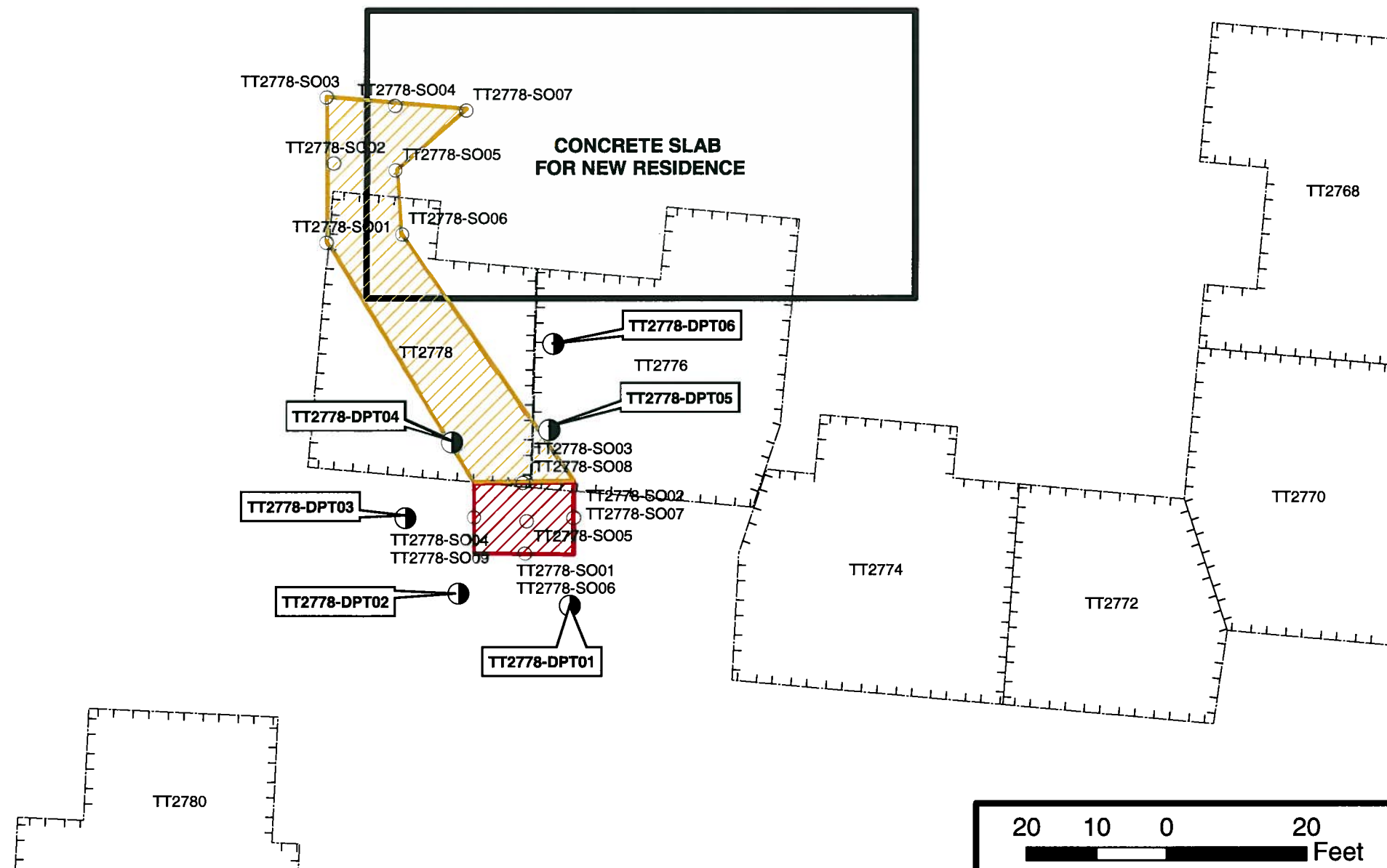
FIGURE

4A

Job No.: 209-018 Date: MAR 2009 Scale: AS SHOWN Drawn By: SAC Checked By: MEM

Sample ID	Contaminant of Concern		n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Ethylbenzene	Isopropylbenzene	4-Isopropyltoluene	Methylene chloride	Naphthalene	n-Propyl benzene	1,2,4-Trimehylbenzene	1,3,5-Trimehylbenzene	Total Xylenes	All Other EPA Method 8260B/5035 Compounds
	Date Collected	Sample Depth (ft. BLS)													
Residential MSCC (mg/kg)			626	626	626	1,560	1,564	NE	85	313	626	782	782	3,129	Varies
Industrial/Commercial MSCC (mg/kg)			16,350	16,350	16,350	40,000	40,880	NE	763	8,176	16,350	20,440	20,440	81,760	Varies
STGW MSCC (mg/kg)			4.3	3.3	3.4	4.6	1.7	NE	0.02	0.58	1.7	7.5	7.3	5	Varies
TT2778-DPT01	10-11'	2/11/2009	10-11	<0.00094	<0.00100	<0.00110	<0.00085	<0.00088	<0.00105	<0.00117	<0.00084	<0.00124	<0.00112	<0.00285	BMDL
TT2778-DPT02	10-11'	2/11/2009	10-11	<0.00102	<0.00107	<0.00119	<0.00092	<0.00095	<0.00114	<0.00127	<0.00090	<0.00134	<0.00121	<0.00307	BMDL
TT2778-DPT03	10-11'	2/11/2009	10-11	<0.00097	<0.00103	<0.00114	<0.00088	<0.00090	<0.00109	<0.00121	<0.00086	<0.00128	<0.00116	<0.00293	BMDL
TT2778-DPT04	4-6'	2/11/2009	4-6'	<0.00098	<0.00104	<0.00115	<0.00089	<0.00091	<0.00110	<0.00123	<0.00088	<0.00130	<0.00117	<0.00298	BMDL
TT2778-DPT05	4-6'	2/11/2009	4-6'	<0.00101	<0.00107	<0.00119	<0.00092	<0.00094	<0.00114	<0.00126	<0.00090	<0.00134	<0.00121	<0.00307	BMDL
TT2778-DPT06	10-11'	2/11/2009	10-11	<0.0207	0.605	0.0246 J	0.116 J	0.142 J	0.625	0.138 J	3.61	0.354	3.61	0.919	<0.2343 J
TT2778-DPT07	10-11'	2/11/2009	10-11	<0.00092	<0.00097	<0.00108	<0.00083	<0.00085	<0.00103	<0.00115	<0.00082	<0.00121	<0.00110	<0.00278	BMDL
TT2778-DPT07	10-11'	2/11/2009	10-11	<0.0106	0.442	0.0223 J	0.0757 J	0.0981	0.468	0.0641 J	1.99	0.244	2.56	0.680	<0.15631 J

All results in milligrams per kilogram (mg/kg).
Soil sample TT2778-DPT07 10-11' was a blind duplicate of TT2778-DPT05 10-11'.
BMDL = Below Method Detection Limit
NE = None Established
ft. BLS = Feet Below Land Surface
< = Less than method detection limit
J = Estimated concentration, below calibration range and above MDL
STGW = Soil-to-Groundwater
MSCCs = Maximum Soil Contaminant Concentrations
Bold results indicate concentration above the lowest MSCC.



**SOIL CLEANUP REPORT WITH
SITE CLOSURE REQUEST
TT-2778
MARINE CORPS BASE
CAMP LEJEUNE, NC**



Sample ID	Contaminant of Concern →		2-Methylnaphthalene	Naphthalene	Phenanthrene	All Other EPA Method 8270 Compounds	
	Date Collected	Sample Depth (ft. BLS)					
Residential MSCC (mg/kg)			63	313	469	Varies	
Industrial/Commercial MSCC (mg/kg)			1,635	8,176	12,264	Varies	
STGW MSCC (mg/kg)			1.7	0.58	60	Varies	
TT2778-DPT01	10-11'	2/11/2009	10-11	<0.054	<0.046	<0.046	BMDL
TT2778-DPT02	10-11'	2/11/2009	10-11	<0.057	<0.049	<0.049	BMDL
TT2778-DPT03	10-11'	2/11/2009	10-11	<0.053	<0.045	<0.045	BMDL
TT2778-DPT04	4-6'	2/11/2009	4-6	<0.067	<0.057	<0.057	BMDL
TT2778-DPT04	10-11'	2/11/2009	10-11	<0.054	<0.047	0.083 J	BMDL
TT2778-DPT05	4-6'	2/11/2009	4-6	<0.068	<0.059	<0.059	BMDL
TT2778-DPT05	10-11'	2/11/2009	10-11	16.2	3.06 J	4.02	BMDL
TT2778-DPT06	10-11'	2/11/2009	10-11	<0.057	<0.049	<0.049	BMDL

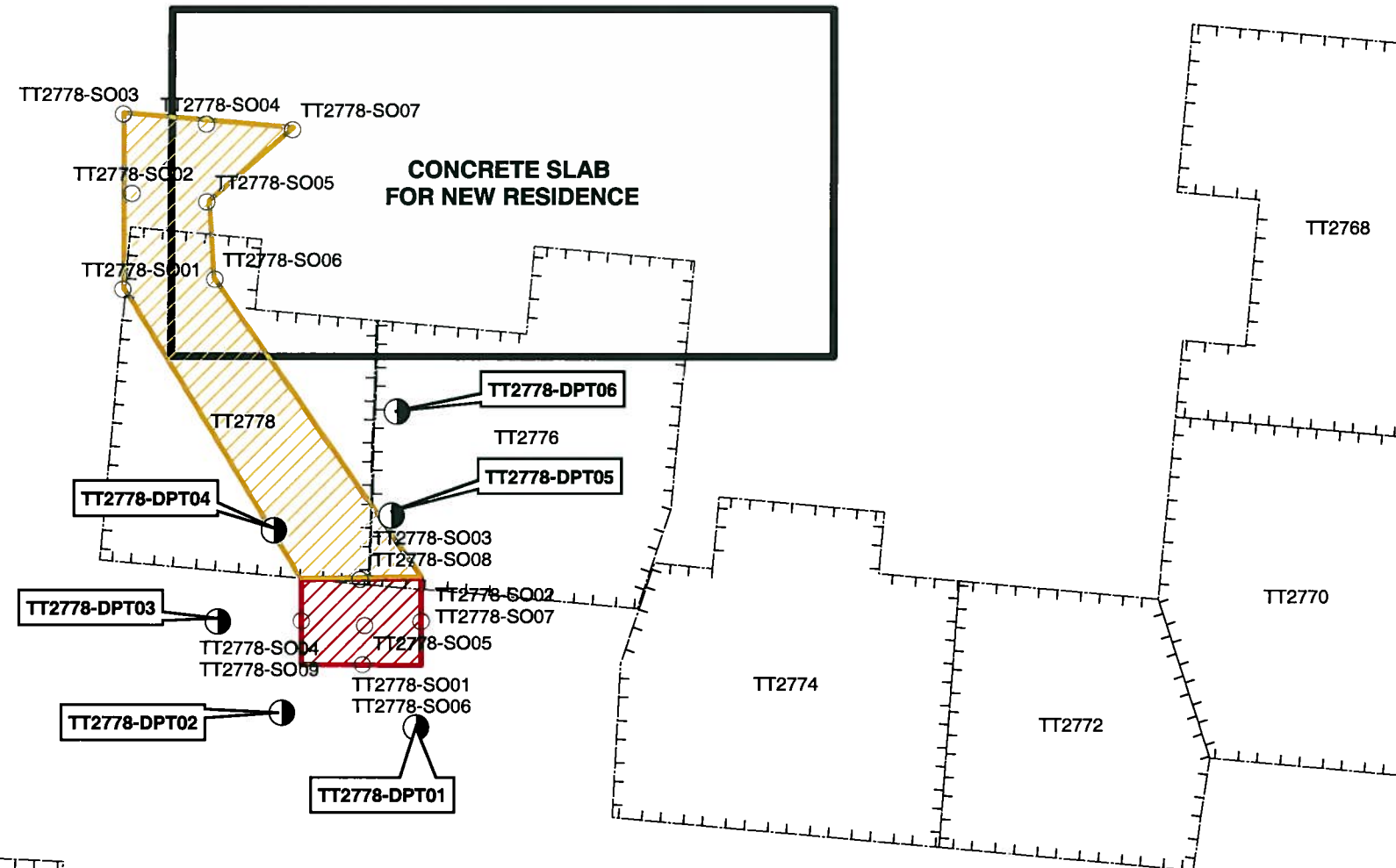
All results in milligrams per kilogram (mg/kg).
 BMDL = Below Method Detection Limit
 ft. BLS = Feet Below Land Surface
 < = Less than method detection limit
 J = Estimated concentration, below calibration range and above MDL
 STGW = Soil-to-Groundwater
 MSCCs = Maximum Soil Contaminant Concentrations
 Bold results indicate concentration above the lowest MSCC.

LEGEND

- DPT Soil Sample Location
- Historical Soil Sample Location
- Tank Excavation Area
- Surface Spill Excavation Area
- Demolished Buildings and Structures
- Slabs
- Driveways
- Parking Lots

NOTES

1. Data layers provided by MCB Camp Lejeune GIS office or GPS survey by CATLIN.



**SITE PLAN WITH SOIL ASSESSMENT
LABORATORY RESULTS - EPA
METHOD 8270**

FIGURE

4B

Job No.: 209-018	Date: MAR 2009	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**SOIL CLEANUP REPORT WITH
SITE CLOSURE REQUEST
TT-2778
MARINE CORPS BASE
CAMP LEJEUNE, NC**

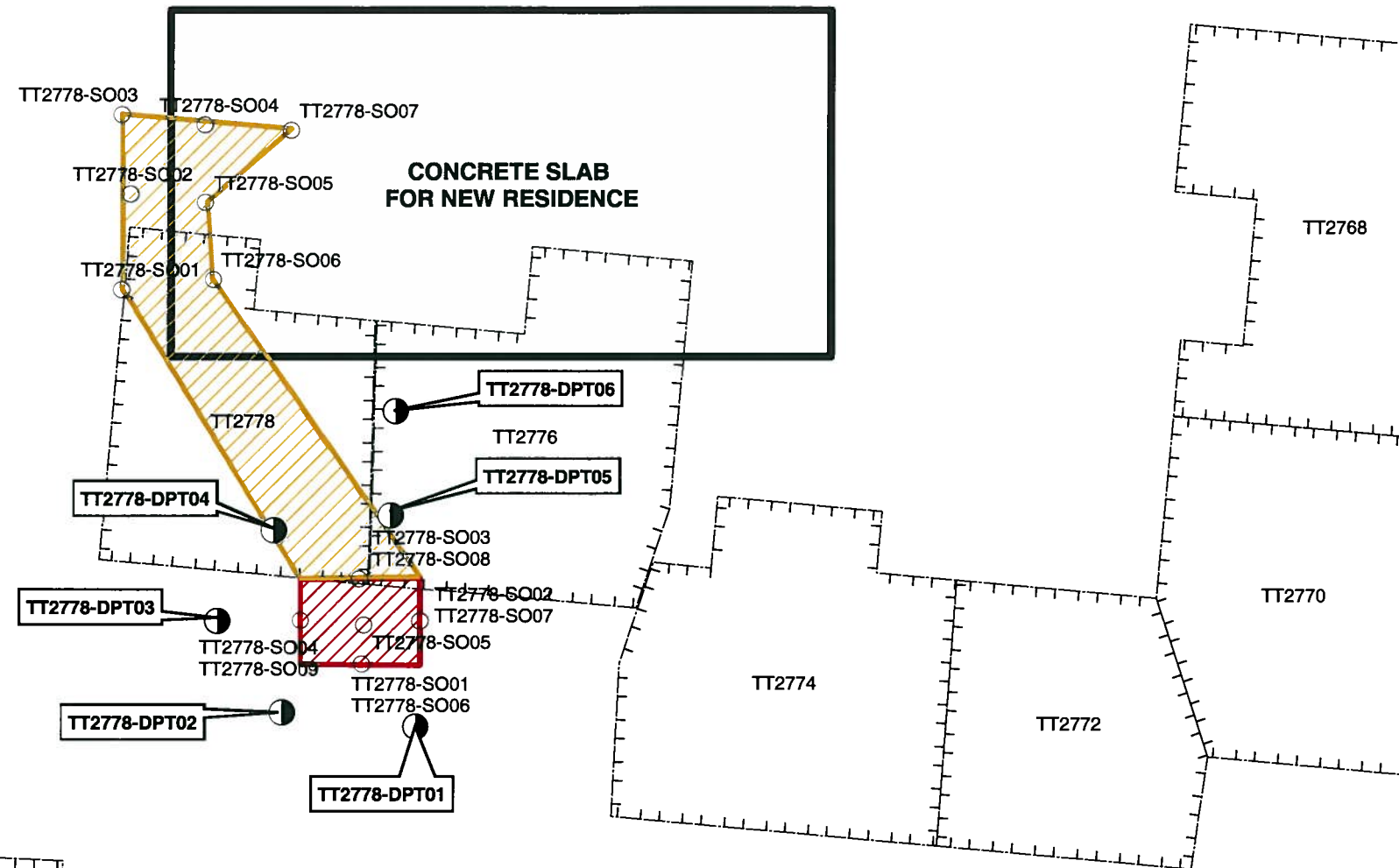


Sample ID	Contaminant of Concern →		C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics	
	Date Collected	Sample Depth (ft. BLS)					
Residential MSCC (mg/kg)			939	9,386	93,860	469	
Industrial/Commercial MSCC (mg/kg)			24,528	245,280	#	12,264	
STGW MSCC (mg/kg)			72	3,300	##	34	
TT2778-DPT01	10-11'	2/11/2009	10-11	<10.0	<20.0	<10.0	<20.0
TT2778-DPT02	10-11'	2/11/2009	10-11	<10.0	<20.0	<10.0	<20.0
TT2778-DPT03	10-11'	2/11/2009	10-11	<10.0	<20.0	<10.0	<20.0
TT2778-DPT04	4-6'	2/11/2009	4-6	<10.0	<20.0	<10.0	<20.0
TT2778-DPT04	10-11'	2/11/2009	10-11	<10.0	<56.7*	<10.0	<20.0
TT2778-DPT05	4-6'	2/11/2009	4-6	<10.0	<20.0	<10.0	<20.0
TT2778-DPT05	10-11'	2/11/2009	10-11	<10.0	1426.9	198	760
TT2778-DPT06	10-11'	2/11/2009	10-11	<10.0	<20.0	<10.0	<20.0

All results in milligrams per kilogram (mg/kg).
 # = Health based level (> 100%)
 ## = Considered Immobile
 ft. BLS = Feet Below Land Surface
 < = Less than method detection limit
 STGW = Soil-to-Groundwater
 MSCCs = Maximum Soil Contaminant Concentrations
 Bold results indicate concentration above the lowest MSCC.
 * = The value represents the sum of the reported practical quantitation limit of one fraction and the detected concentration of the other fraction.

LEGEND

- DPT Soil Sample Location
- Historical Soil Sample Location
- Tank Excavation Area
- Surface Spill Excavation Area
- Demolished Buildings and Structures
- Slabs
- Driveways
- Parking Lots



NOTES

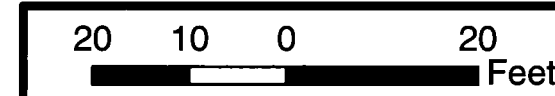
1. Data layers provided by MCB Camp Lejeune GIS office or GPS survey by CATLIN.



**SITE PLAN WITH SOIL ASSESSMENT
LABORATORY RESULTS - MADEP VPH/EPH
AS COMPARED TO NCDENR MSCCs**

FIGURE

4C















Job No.: 209-018	Date: MAR 2009	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**SOIL CLEANUP REPORT WITH
SITE CLOSURE REQUEST
TT-2778
MARINE CORPS BASE
CAMP LEJEUNE, NC**



LEGEND

-  DPT Soil Sample Location
-  Historical Soil Sample Location
-  Confirmation Soil Sample Location
-  Tank Excavation Area
-  Surface Spill Excavation Area
-  CATLIN Over-Excavation Area
-  Demolished Buildings and Structures
-  Slabs
-  Driveways
-  Parking Lots
-  Sewer Line
-  Water Line

NOTES

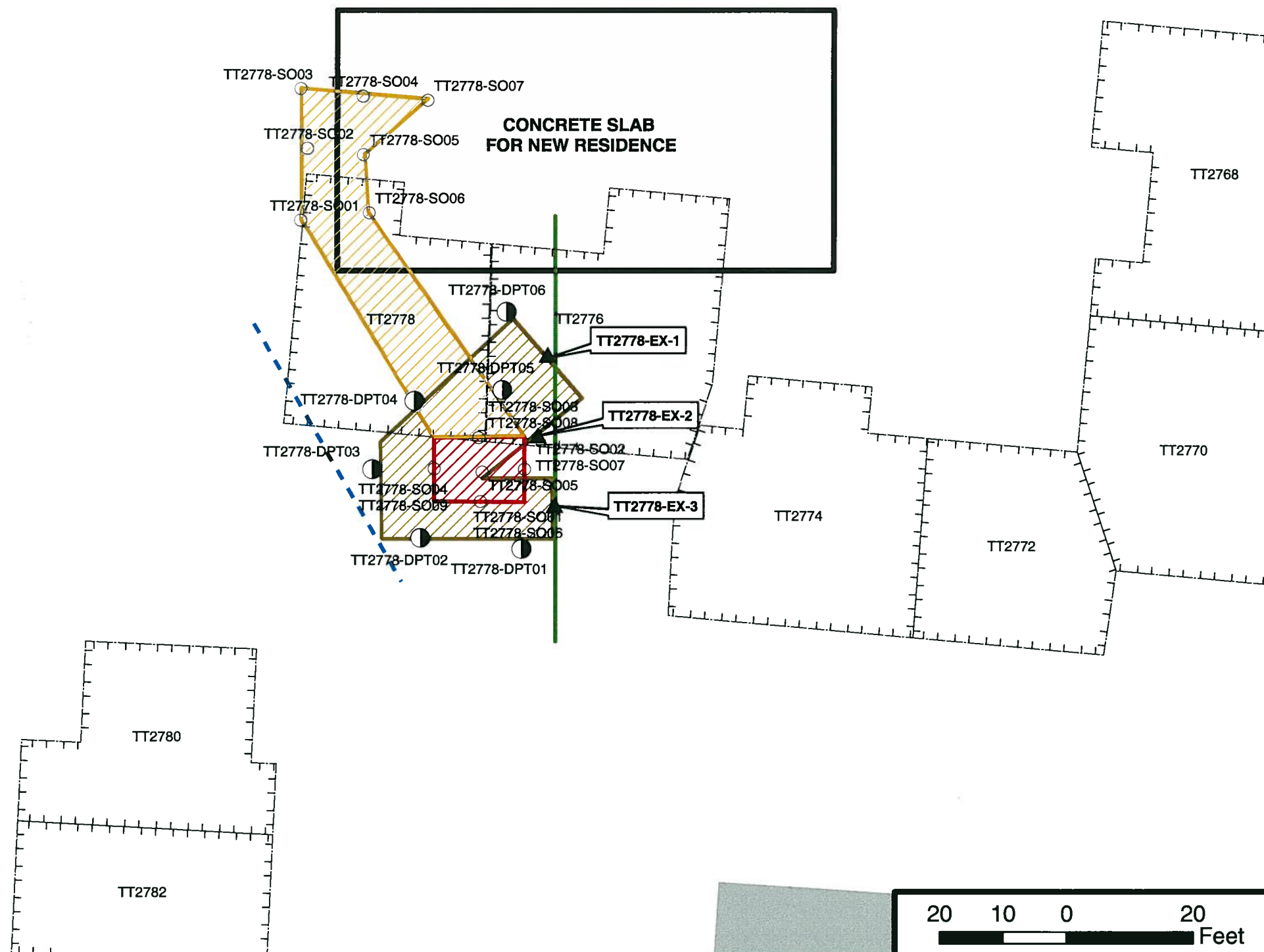
1. Data layers provided by MCB Camp Lejeune GIS office or GPS survey by CATLIN.
2. CATLIN excavation to a depth of approximately 12 feet.



**SITE PLAN WITH EXTENT OF
SOIL EXCAVATION AREAS**

FIGURE

5



Job No.: 209-018	Date: MAR 2009	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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Sample ID	Contaminant of Concern →		Acetone	n-Butylbenzene	4-Isopropyltoluene	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	All Other EPA Method 8260B/5035 Compounds
	Date Collected	Sample Depth (ft. BLS)							
Residential MSCC (mg/kg)			1,564	626	NE	313	782	782	Varies
Industrial/Commercial MSCC (mg/kg)			40,880	16,350	NE	8,176	20,440	20,440	Varies
STGW MSCC (mg/kg)			2.8	4.3	NE	0.58	7.5	7.3	Varies
TT2778-EX-1	3/19/2009	10-11	<0.00939	<0.00130	<0.00145	<0.00115	<0.00171	<0.00155	BMDL
TT2778-EX-2	3/19/2009	10-11	0.0291 J	0.00113 J	0.00272 J	0.113	0.0316	0.0235	BMDL
TT2778-EX-3	3/18/2009	10-11	<0.00673	<0.00093	<0.00104	<0.00083	<0.00123	<0.00111	BMDL



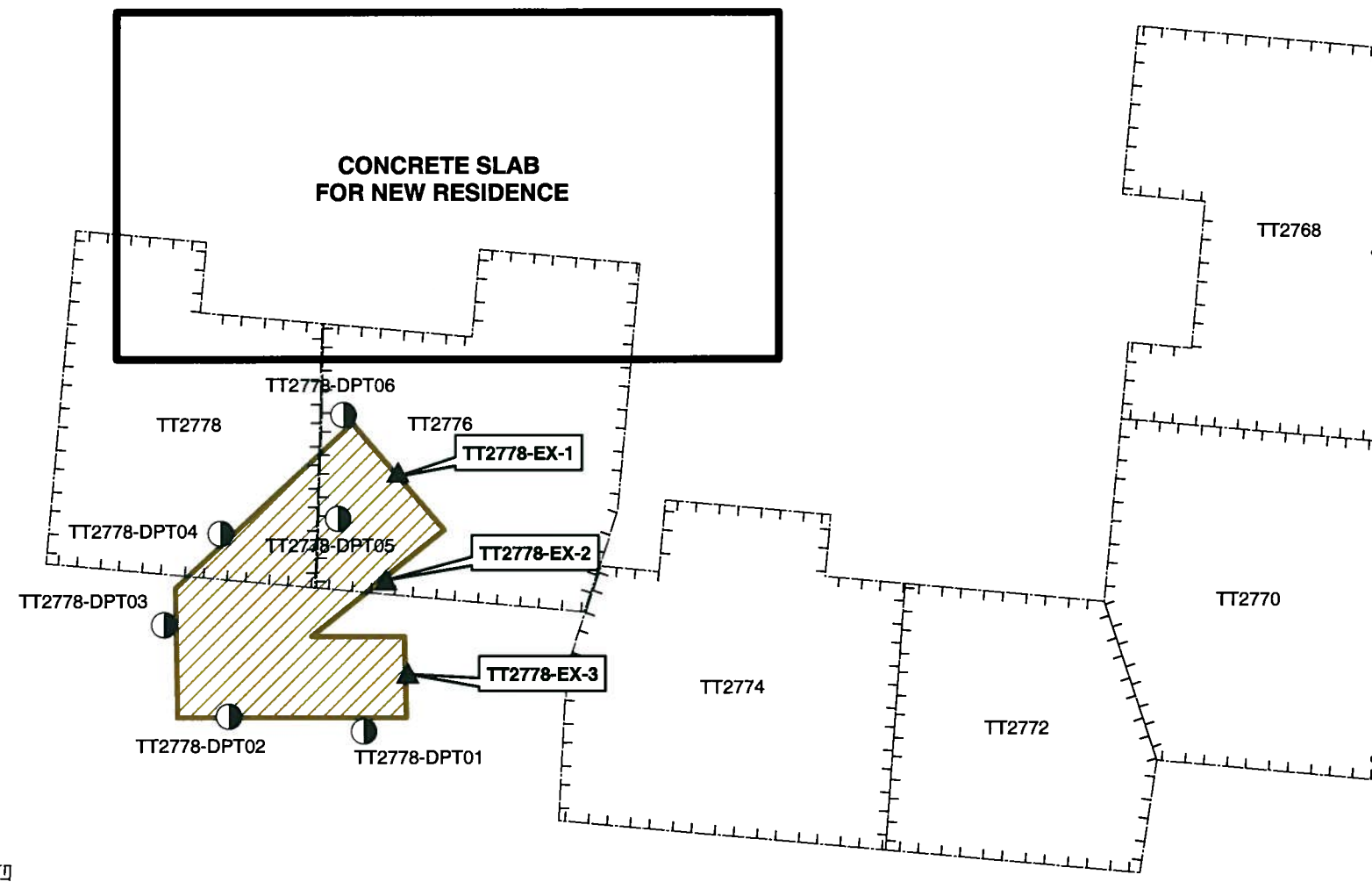
**SOIL CLEANUP REPORT WITH
SITE CLOSURE REQUEST**
TT-2778
MARINE CORPS BASE
CAMP LEJEUNE, NC



All results in milligrams per kilogram (mg/kg).
 BMDL = Below Method Detection Limit
 NE = None Established
 ft. BLS = Feet Below Land Surface
 < = Less than method detection limit
 J = Estimated concentration, below calibration range and above MDL
 STGW = Soil-to-Groundwater
 MSCC = Maximum Soil Contaminant Concentration
 Bold results indicate concentration above the lowest MSCC.

LEGEND

- DPT Soil Sample Location
- Confirmation Soil Sample Location
- CATLIN Over-Excavation Area
- Demolished Buildings and Structures
- Slabs
- Driveways
- Parking Lots



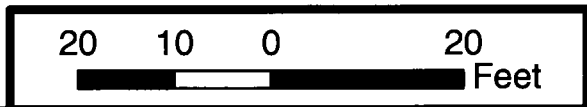
NOTES

1. Data layers provided by MCB Camp Lejeune GIS office or GPS survey by CATLIN.



**SITE PLAN WITH CONFIRMATION SOIL
SAMPLE LABORATORY RESULTS**
 - EPA METHOD 8260B/5035

FIGURE
6A



Job No.: 209-018	Date: MAR 2009	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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SOIL CLEANUP REPORT WITH SITE CLOSURE REQUEST

TT-2778

MARINE CORPS BASE CAMP LEJEUNE, NC

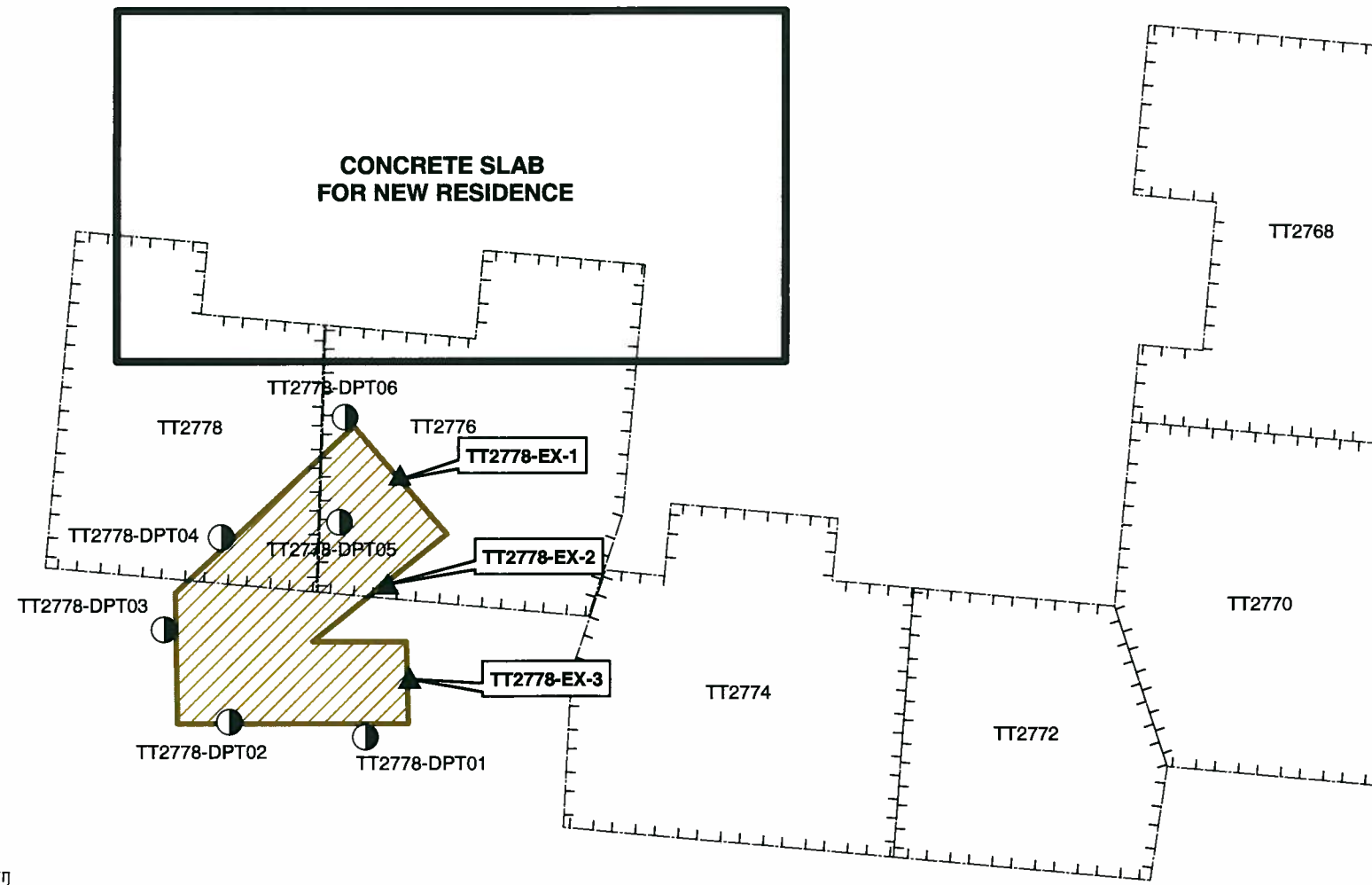


Sample ID	Contaminant of Concern		Acenaphthene	Acenaphthylene	Anthracene	Dibenzofuran	Fluoranthene	Fluorene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	All Other EPA Method 8270 Compounds
	Date Collected	Sample Depth (ft. BLS)											
Residential MSCC (mg/kg)			940	469	4,600	62	620	620	63	313	469	469	Varies
Industrial/Commercial MSCC (mg/kg)			24,000	12,264	122,000	1,635	16,400	16,400	1,635	8,176	12,264	12,264	Varies
STGW MSCC (mg/kg)			8.2	11	1,000	4.7	280	44	1.7	0.58	60	290	Varies
TT2778-EX-1	3/19/2009	10-11	<0.050	<0.046	<0.045	<0.046	<0.053	<0.051	<0.054	<0.046	<0.046	<0.045	BMDL
TT2778-EX-2	3/19/2009	10-11	0.245 J	0.116 J	0.123 J	0.220 J	0.055 J	0.588	0.601	0.507	1.21	0.129 J	BMDL
TT2778-EX-3	3/18/2009	10-11	<0.046	<0.042	<0.041	<0.042	<0.048	<0.047	<0.049	<0.042	<0.042	<0.041	BMDL

All results in milligrams per kilogram (mg/kg).
 BMDL = Below Method Detection Limit
 NE = None Established
 ft. BLS = Feet Below Land Surface
 < = Less than method detection limit
 J = Estimated concentration, below calibration range and above MDL
 STGW = Soil-to-Groundwater
 MSCC = Maximum Soil Contaminant Concentration

LEGEND

- DPT Soil Sample Location
- Confirmation Soil Sample Location
- CATLIN Over-Excavation Area
- Demolished Buildings and Structures
- Slabs
- Driveways
- Parking Lots



NOTES

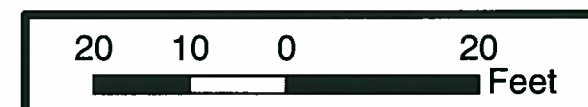
- Data layers provided by MCB Camp Lejeune GIS office or GPS survey by CATLIN.



SITE PLAN WITH CONFIRMATION SOIL
SAMPLE LABORATORY RESULTS
- EPA METHOD 8270

FIGURE

6B



Job No.: 209-018	Date: MAR 2009	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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Sample ID	Contaminant of Concern		C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics
	Date Collected	Sample Depth (ft. BLS)				
Residential MSCC (mg/kg)			939	9,386	93,860	469
Industrial/Commercial MSCC (mg/kg)			24,528	245,280	#	12,264
STGW MSCC (mg/kg)			72	3,300	##	34
TT2778-EX-1	3/19/2009	10-11	<10.0	<20.0	<10.0	<20.0
TT2778-EX-2	3/19/2009	10-11	<10.0	<561*	137	<263*
TT2778-EX-3	3/18/2009	10-11	<10.0	<20.0	<10.0	<20.0

All results in milligrams per kilogram (mg/kg).

= Health based level (> 100%)

= Considered Immobile

ft. BLS = Feet Below Land Surface

< = Less than method detection limit

STGW = Soil-to-Groundwater

MSCCs = Maximum Soil Contaminant Concentrations

Bold results indicate concentration above the lowest MSCC.

* = The value represents the sum of the reported practical quantitation limit of one fraction and the detected concentration of the other fraction.



SOIL CLEANUP REPORT WITH SITE CLOSURE REQUEST

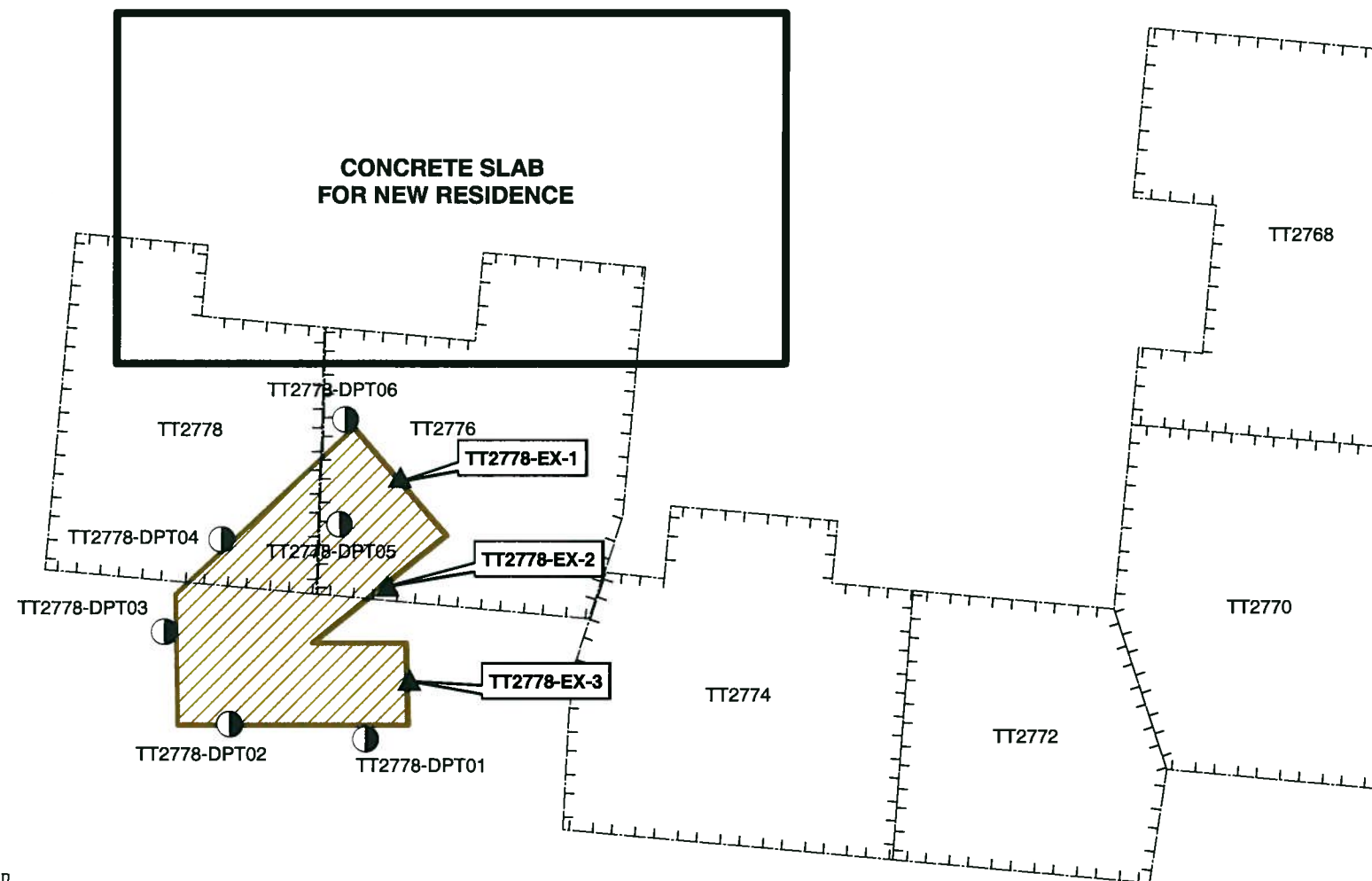
TT-2778

MARINE CORPS BASE
CAMP LEJEUNE, NC



LEGEND

- DPT Soil Sample Location
- Confirmation Soil Sample Location
- CATLIN Over-Excavation Area
- Demolished Buildings and Structures
- Slabs
- Driveways
- Parking Lots



NOTES

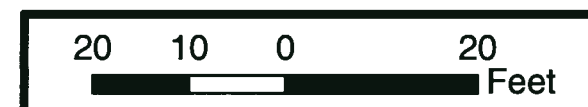
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SITE PLAN WITH CONFIRMATION
SOIL SAMPLE LABORATORY
RESULTS - MADEP VPH/EPH
AS COMPARED TO NCDENR MSCCs

FIGURE

6C



Job No.: 209-018	Date: MAR 2009	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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APPENDICES

APPENDIX A
NCDENR RISK CLASSIFICATION AND LAND USE FORM

NCDENR Risk Classification and Land Use Form

Part I - Groundwater/Surface Water/Vapor Impacts

High Risk

1. *Has the release contaminated any water supply well including any used for non-drinking purposes?* YES **NO**

No information provided indicates a water supply well has been contaminated as a result of the release from the project site.

2. *Is a water supply well used for drinking water located within 1,000 feet of the source area of the discharge or release?* YES **NO**

There is no water supply well located within 1,000 feet of the source area of the release (refer to Figure 1).

3. *Is a water supply well not used for drinking water (e.g., irrigation, washing cars, industrial cooling water, filling swimming pools) located within 250 feet of the source area of the release?* YES **NO**

There is no water supply well not used for drinking water located within 250 feet of the source area of the release (refer to Figure 1).

4. *Does groundwater within 500 feet of the source area of the release have the potential for future use (there is no other source of water supply other than the groundwater)?* YES **NO**

Currently MCB Camp Lejeune has several locations for potential water supply wells that are greater than 500 feet from the potential source area (refer to Figure 1).

5. *Do vapors from the release pose a threat of explosion because of accumulation of the vapors in a confined space or pose any other serious threat to public health, public safety or the environment?
If YES describe.* YES **NO**

No evidence of vapor accumulation has been reported.

6. *Are there any other factors that would cause the discharge or release to pose an imminent danger to public health, public safety, or the environment?* YES NO
If YES describe.

A review of data collected during this investigation does not provide evidence to suggest other factors that would cause the discharge or release to pose an imminent danger to public health, public safety, or the environment.

Intermediate Risk

7. *Is a surface water body located within 500 feet of the source area of the discharge or release?* YES NO

The nearest mapped surface water body is located approximately 1,000 feet towards the North (see Figure 1).

If YES, does the maximum groundwater contaminant concentration exceed the surface water quality standards and criteria found in 15A NCAC 2B.0200 by a factor of 10?

YES NO

8. *Is the source area of the discharge or release located within an approved or planned wellhead protection area as defined in 42 USC 300h-7(e)?* YES NO
If YES describe.

Wellhead protection areas defined by 42 USC 300h-7(e) have not, as of this time, been designated by the State. However, MCB Camp Lejeune has identified wellhead protection areas on the base. Based on the most recent Wellhead Protection Plan – 2002 Update, the potential source area is not located within a proposed wellhead protection area.

9. *Is the release located in the Coastal Plain physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985?* YES NO

As identified in the Geologic Map of North Carolina (North Carolina Department of Natural Resources and Community Development 1985), the subject site lies within the Coastal Plain Physiographic Province.

If YES, is the source area of the release located in an area in which there is recharge to an unconfined or semi-confined deeper aquifer that is being used or may be used as a source of drinking water? YES NO
If YES describe

The potential source area is located just above an apparent unconfined surficial groundwater aquifer. While there is the potential for recharge by rainfall to the unconfined surficial aquifer at the Base, the surficial aquifer is not used for water supply aboard MCB, Camp Lejeune. Groundwater obtained from the Castle Hayne Aquifer is the raw water source for MCB Camp Lejeune potable water treatment facilities. Data regarding hydrogeologic units below the subject site are discussed in greater detail in Section E of this report.

10. *Do the levels of groundwater contamination for any contaminant exceed the gross contamination levels (GCLs) established by the Department?* YES NO

Surficial groundwater samples from a temporary site monitoring well were analyzed per EPA Method 602 + MTBE + Xylenes, EPA Method 625 + TICs and MADEP VPH/EPH parameters. A review of laboratory analysis results indicates no subject analyte concentrations were detected in excess of applicable GCLs.

Part II - Land Use

Property Containing Source Area of Release

The questions below pertain to the property containing the source area of the release.

1. *Does the property contain one or more primary or secondary residences (permanent or temporary)?* YES NO
Describe.

Former Building TT-2778 (which has been demolished) was a permanent residence. New permanent residences are being constructed in the immediate vicinity of the former building.

2. *Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly?* YES NO
Describe.

The area of former Building TT-2778 does not contain a place of public assembly.

3. *Does the property contain a commercial (e.g., retail, warehouse, office/business space, etc.) or industrial (e.g., manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped?* YES NO
Describe.

The project site is located within the Tarawa Terrace residential housing area of MCB Camp Lejeune.

4. *Do children visit the property?* YES NO
Explain.

Children may live at the new residences being constructed in the immediate vicinity of former Building TT-2778.

Is access to the property reliably restricted consistent with its use (e.g., by fences, security personnel or both)?
Explain.

YES NO

The project site is located within the MCB, Camp Lejeune which restricts access to base personnel and their families. However, there are no other additional restrictions to gain access to the site area.

5. *Do pavement, buildings, or other structures cap the contaminated soil?*
Describe.

YES NO

As previously stated, new residences are being constructed in the area. A review of the new Site Layout figures appears to indicate that the area of the former UST location will be capped by a concrete driveway.

If YES, what mechanisms are in place or can be put into place to ensure that the contaminated soil will remain capped in the foreseeable future?

The concrete driveway would act as a cap to prevent possible exposure to residual soil contaminants.

6. *What is the zoning status of the property?*

The MCB Camp Lejeune is not subject to local or county-zoning requirements; however, the project site is located within the Tarawa Terrace residential housing area.

7. *Is the use of the property likely to change in the next 20 years?*
Explain.

YES NO

The current use of the local MCB Camp Lejeune area is not likely to change in the near future.

Property Surrounding Source Area of Release

The questions below pertain to the area within 1,500 feet of the source area of the release (excludes property containing source area of the release): See Figure 1

1. *What is the distance from the source area of the release to the **nearest** primary or secondary residence (permanent or temporary)?*

The project site is a permanent residence.

2. *What is the distance from the source area of the release to the **nearest** school, daycare center, hospital, playground, park, recreation area, church, nursing home or other place of*

public assembly?

The nearest place of public assembly appears to be a playground approximately 250 feet east of the subject site. However, as the entire area is being redeveloped with new residential housing units the locations of community playgrounds may change.

3. *What is the zoning status of properties in the surrounding area?*

As previously stated, MCB Camp Lejeune is not subject to local or county-zoning requirements; however, the use of the project site is considered Residential in nature.

4. *Briefly characterize the use and activities of the land in the surrounding area.*

The project site is located within the Tarawa Terrace residential housing area of MCB Camp Lejeune.

APPENDIX B
BORING LOGS

BORING LOG



SHEET 1 of 1

PROJECT NO.: 208-018-04	STATE: NC	COUNTY: Onslow	LOCATION: Jacksonville
PROJECT NAME: TT-2778 SAR		LOGGED BY: Steve Tyler	BORING ID: TT2778-DPT01
		DRILLER: Bobbie D. Fowler	
NORTHING: 3,846,215.16	EASTING: 285,568.77	CREW: N/A	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: South of tank excavation.		LAND ELEV.: NM
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: NM	BORING DEPTH: 12.0
START DATE: 2/11/09	FINISH DATE: 2/11/09	24 HOUR DTW: N/A	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	U S C S	L O G	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
0.0							0.0	LAND SURFACE	
2.0			▲16.2		SM		2.0	Brown, SILTY f. SAND. No hydrocarbon odor.	
4.0			▲0.7		OL			Tan to olive, organic SILTY CLAY. Moderate plasticity. No hydrocarbon odor.	
6.0			▲1.1						
8.0			▲0.9				8.2		
10.0			▲0.6		SP			Tan to white, f. SAND. Few fines. No hydrocarbon odor. Wet at base.	
12.0			▲0.7	TT2778-DPT01 (10-11)			12.0		
								Boring Terminated at Depth 12.0 ft	

CATLIN.ENWRO.LOG_208-018_TT-2778_SAR.GPJ.CATLIN.GDT_2/24/09

▽ = 0hr. DTW

▼ = 24hr. DTW

BORING LOG

PROJECT NO.: 208-018-04	STATE: NC	COUNTY: Onslow	LOCATION: Jacksonville
PROJECT NAME: TT-2778 SAR		LOGGED BY: Steve Tyler	BORING ID: TT2778-DPT02
NORTHING: 3,846,215.64		EASTING: 282,563.89	CREW: N/A
SYSTEM: UTM NAD83 (m)		BORING LOCATION: Southwest of tank excavation.	
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: NM	BORING DEPTH: 12.0
START DATE: 2/11/09	FINISH DATE: 2/11/09	24 HOUR DTW: N/A	ROCK DEPTH: --

DEPTH	BLOW COUNT	MOI.	OVA RESULTS (ppm)	LAB.	U S C S	L O G	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
0.0			0 1000 2000 3000 4000				0.0	LAND SURFACE	
			▲1.2		SM		1.0	Olive, SILTY f. to vf. SAND.	
2.0			▲0.7		OL			Tan to olive, organic CLAY and SILTY CLAY. Moderate plasticity. No hydrocarbon odor.	
4.0			▲1.2						
6.0			▲0.6				7.5		
8.0			▲0.8		SM		8.5	Tan, SILTY f. SAND. No hydrocarbon odor.	
10.0			▲1.0		SP			Tan to white, f. SAND. No hydrocarbon odor. Wet at base of interval.	
12.0				TT2778-DPT02 (10-11)			12.0	Boring Terminated at Depth 12.0 ft	

CATLIN\ENVIRO.LOG_208-018.TT-2778.SAR.GPJ.CATLIN.GDT_2/24/09

▽ = 0hr. DTW

▼ = 24hr. DTW

BORING LOG

PROJECT NO.: 208-018-04	STATE: NC	COUNTY: Onslow	LOCATION: Jacksonville
PROJECT NAME: TT-2778 SAR		LOGGED BY: Steve Tyler	BORING ID: TT2778-DPT03
NORTHING: 3,846,218.95		EASTING: 282,561.51	CREW: N/A
SYSTEM: UTM NAD83 (m)		BORING LOCATION: West of tank excavation.	
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: NM	BORING DEPTH: 16.0
START DATE: 2/11/09	FINISH DATE: 2/11/09	24 HOUR DTW: N/A	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	U S C S	L O G	SOIL AND ROCK		
							DEPTH	DESCRIPTION	ELEVATION
0.0							0.0	LAND SURFACE	
0.6					SM		1.8	Tan, SILTY f. SAND.	
0.9					OL		7.5	Tan to olive, organic CLAY to SILTY CLAY. Moderate plasticity. No hydrocarbon odor.	
0.7					SM		8.3	Tan, SILTY f. SAND. No hydrocarbon odor.	
3.0					SP		16.0	Tan to white, f. SAND. Few fines. Increase in grain-size w/ depth and tr. interlayered clay lenses near base of interval. Saturated at approximately 12' BLS. No hydrocarbon odor.	
6.7		Sat.							
1.5				TT2778-DPT03 (10-11)					
16.0								Boring Terminated at Depth 16.0 ft	

CATLIN ENVIRO. LOG_208-018-TT-2778-SAR.GPJ.CATLIN.GDT_2/24/09

▽ = 0hr. DTW

▼ = 24hr. DTW

BORING LOG

PROJECT NO.: 208-018-04	STATE: NC	COUNTY: Onslow	LOCATION: Jacksonville
PROJECT NAME: TT-2778 SAR		LOGGED BY: Steve Tyler	BORING ID: TT2778-DPT04
		DRILLER: Bobbie D. Fowler	
NORTHING: 3,846,222.26	EASTING: 282,563.65	CREW: N/A	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: Northwest of tank excavation.		LAND ELEV.: NM
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: NM	BORING DEPTH: 12.0
START DATE: 2/11/09	FINISH DATE: 2/11/09	24 HOUR DTW: N/A	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	U S C S	L O G	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
0.0							0.0	LAND SURFACE	
			▲0.2		SM		1.3	Tan to olive, SILTY f. SAND.	
2.0			▲0.1		OL			Tan to olive, organic SILTY CLAY. Moderate plasticity. No hydrocarbon odor.	
4.0			▲0.6	TT2778-DPT04 (4-6)					
6.0			▲0.1				7.5		
8.0			▲0.2		SM		8.3	Tan to olive, SILTY SAND. No hydrocarbon odor.	
10.0			▲2.7		SP			What to tan, f. SAND. Few fines. No hydrocarbon odor. Wet at base of interval.	
				TT2778-DPT04 (10-11)					
12.0							12.0	Boring Terminated at Depth 12.0 ft	

CATLIN\ENVIRO. LOG_208-018 TT-2778 SAR.GPJ.CATLIN.GDT 2/24/09

▽ = 0hr. DTW

▼ = 24hr. DTW

BORING LOG



SHEET 1 of 1

PROJECT NO.: 208-018-04	STATE: NC	COUNTY: Onslow	LOCATION: Jacksonville
PROJECT NAME: TT-2778 SAR		LOGGED BY: Steve Tyler	BORING ID: TT2778-DPT05
NORTHING: 3,846,222.82		EASTING: 282,567.80	CREW: N/A
SYSTEM: UTM NAD83 (m)	BORING LOCATION: North of tank excavation.		LAND ELEV.: NM
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: NM	BORING DEPTH: 12.0
START DATE: 2/11/09	FINISH DATE: 2/11/09	24 HOUR DTW: N/A	ROCK DEPTH: --

DEPTH	BLOW COUNT				MOI.	OVA RESULTS (ppm)					LAB.	U S C S	L O G	SOIL AND ROCK DESCRIPTION		ELEVATION
	0.5	0.5	0.5	0.5		0	1000	2000	3000	4000				DEPTH		
0.0														0.0	LAND SURFACE	
1.8					▲11.9							SM		1.8	Tan to olive, SILTY f. SAND.	
4.7					▲4.7											
4.8					▲4.8						TT2778-DPT05 (4-6)	OL			Tan to olive, organic SILTY CLAY. Moderate plasticity. No hydrocarbon odor.	
0.5					▲0.5											
25.1					▲25.1									9.0		
9.5												SM		9.5	Tan to olive, SILTY SAND. Hydrocarbon odor.	
73.8					▲73.8						TT2778-DPT05 (10-11) +DUP	SP			Tan to white, f. SAND. Few fines. Hydrocarbon odor present between 8.5 and 12' BLS. Wet at base of interval.	
12.0														12.0	Boring Terminated at Depth 12.0 ft	

CATLIN ENVIRO. LOG_208-018-TT-2778-SAR.GPJ_CATLIN.GDI_2/24/09

▽ = 0hr. DTW

▼ = 24hr. DTW

BORING LOG



SHEET 1 of 1

PROJECT NO.: 208-018-04	STATE: NC	COUNTY: Onslow	LOCATION: Jacksonville
PROJECT NAME: TT-2778 SAR		LOGGED BY: Steve Tyler	BORING ID: TT2778-DPT06
NORTHING: 3,846,226.54	EASTING: 282,568.02	CREW: N/A	
SYSTEM: UTM NAD83 (m)	BORING LOCATION: North of tank excavation.		LAND ELEV.: NM
DRILL MACHINE: Power Probe	METHOD: Direct Push	0 HOUR DTW: NM	BORING DEPTH: 12.0
START DATE: 2/11/09	FINISH DATE: 2/11/09	24 HOUR DTW: N/A	ROCK DEPTH: --

DEPTH	BLOW COUNT 0.5 0.5 0.5 0.5	MOI.	OVA RESULTS (ppm) 0 1000 2000 3000 4000	LAB.	U S C S	L O G	DEPTH	SOIL AND ROCK DESCRIPTION	ELEVATION
0.0							0.0	LAND SURFACE	
0.5					SM			Tan to olive, SILTY f. SAND.	
2.0							2.2		
4.0									
6.0					OL			Tan to olive, organic CLAY. Moderate plasticity. No hydrocarbon odor.	
8.0									
10.0									
11.0				TT2778-DPT06 (10-11)			11.0		
12.0					SP		12.0	Tan to white, f. SAND. Few fines. No hydrocarbon odor. Wet at base of interval.	
								Boring Terminated at Depth 12.0 ft	

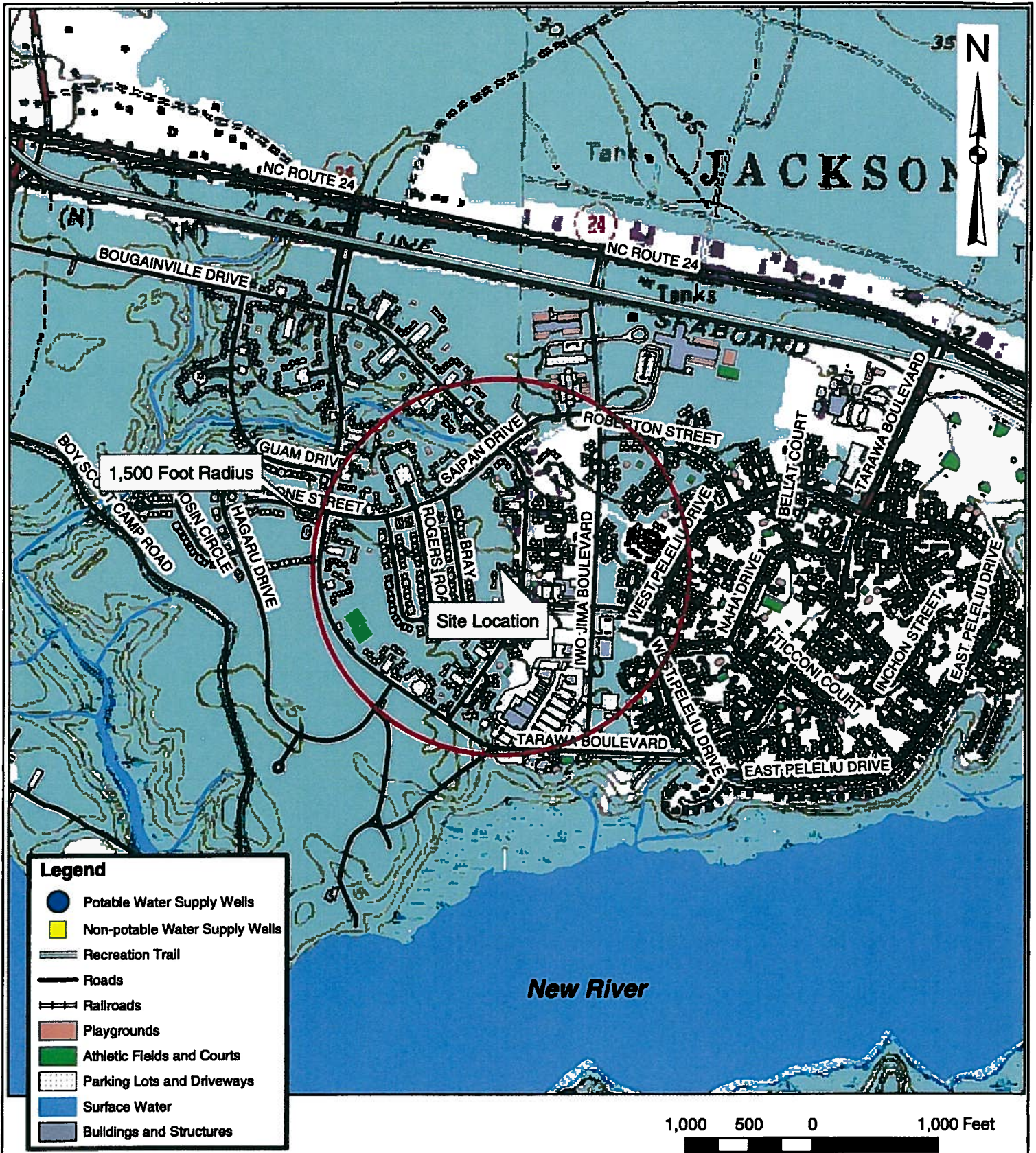
CATLIN ENVIRO. LOG 208-018-TT-2778-SAR.GPJ.CATLIN.GDT.2/24/09

▽ = 0hr. DTW

▼ = 24hr. DTW

APPENDIX C

FIGURES FROM DECEMBER 2008 UST CLOSURE REPORT



Data Sources: Data Layers provided by MCB Camp Lejeune GIS Office.

	PROJECT TANK REMOVAL BUILDING TT-2778 MARINE CORPS BASE CAMP LEJEUNE, NC		TITLE SITE LOCATION MAP		FIGURE 1
	JOB NO. 206-094	DATE DEC 2008	SCALE AS SHOWN	DRAWN BY SAC	

TABLE 1
SUMMARY OF SOIL LABORATORY RESULTS
 EPA Method 8015 (GRO and DRO)
 Excavation/Sampling Event on 9/30/2008 and 10/1/2008

Sample ID	Contaminant of Concern		Chlorinated Range Organics	Dibenzofuran Organics
	Date Collected	Sample Depth (ft. BLS)		
NCDEMR ACTION LEVEL (mg/kg)			10	10
TT2778-S001	9/30/2008	3.0	<5.69	<7.61
TT2778-S002	9/30/2008	3.0	<5.80	<7.40
TT2778-S003	9/30/2008	3.0	<5.41	<7.80
TT2778-S004	9/30/2008	3.0	<6.12	8.26
TT2778-S005	9/30/2008	7.0	779	72,500

All results in milligrams per kilogram (mg/kg).
 ft. BLS = Feet Below Land Surface.
 <# = Less than method detection limit
 Bold results indicate concentrations above NCDEMR Action Level.

TABLE 2
SUMMARY OF SOIL LABORATORY RESULTS
 EPA METHODS 8260, 8270, and MADEP VPH/EPH
 Excavation/Sampling Event on 10/8/2008

Sample ID	Date Collected	Sample Depth (ft. BLS)	EPA 8260										EPA 8270				MADEP VPH/EPH			
			1,1-Dichloroethane	1,2-Dichloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1,3,3-Tetrachloroethane	1,2,3,4-Tetrachloroethane	1,1,1,2-Tetrachloroethane	1,1,1,3-Tetrachloroethane	1,1,2,2-Tetrachloroethane	1,1,2,3-Tetrachloroethane	1,1,1,1-Tetrafluoroethane	1,1,2,2,2-Pentafluoroethane	1,1,1,2,2-Pentafluoroethane	1,1,1,2,2-Pentafluoroethane	1,1,1,2,2-Pentafluoroethane	1,1,1,2,2-Pentafluoroethane	1,1,1,2,2-Pentafluoroethane	
Residential MSCC (mg/kg)			635	625	1,560	1,564	NE	313	4,693	783	782	3,329	620	63	313	469	300	9,395	93,860	469
Industrial/Commercial MSCC (mg/kg)			16,330	16,350	40,000	40,000	NE	8,175	122,600	20,440	20,440	83,700	16,400	1,635	8,176	12,264	24,628	246,280	#	12,264
Soil to Groundwater MSCC (mg/kg)			4.3	3.3	4.6	1.7	NE	0.38	1.7	7.5	7.3	5	44	1.7	0.58	69	72	3,300	88	34
TT2778-S006	10/8/2008	11.0	<0.772	2.17	1.57	0.934	3.01	17.6	1.88	19.6	8.03	7.06	<3.25	26.9	8.6	4.09	43.1	4,640	726	2,058
TT2778-S007	10/8/2008	11.0	<0.480	0.605	<0.480	<0.480	0.586	4.82	<0.480	4.64	1.74	1.2	<0.331	0.722	<0.331	0.331	11.9	448	136	419
TT2778-S008	10/8/2008	11.0	<0.993	2.47	1.81	1.11	2.15	16.4	2.39	18.5	5.36	6.27	4.91	60.2	22.7	9.06	53.5	3,978	697	2,297
TT2778-S009	10/8/2008	11.0	7.2	3.8	2.3	1.66	3.27	2.29	3.54	27.4	8.36	8.2	<3.40	31.1	9.73	4.73	53.6	3,376	602	1,707

All results in milligram per kilogram (mg/kg).
 BMDL = Below Method Detection Limit
 ft. BLS = Feet Below Land Surface.
 MSCC = Maximum Soil Contaminant Concentration
 # = Health based level > 100%
 ## = Considered immobile
 <# = Less than method detection limit
 Bold results indicate concentrations above lowest MSCC

TANK REMOVAL
BUILDING TT-2778
MARINE CORPS BASE
CAMP LEJEUNE, NC

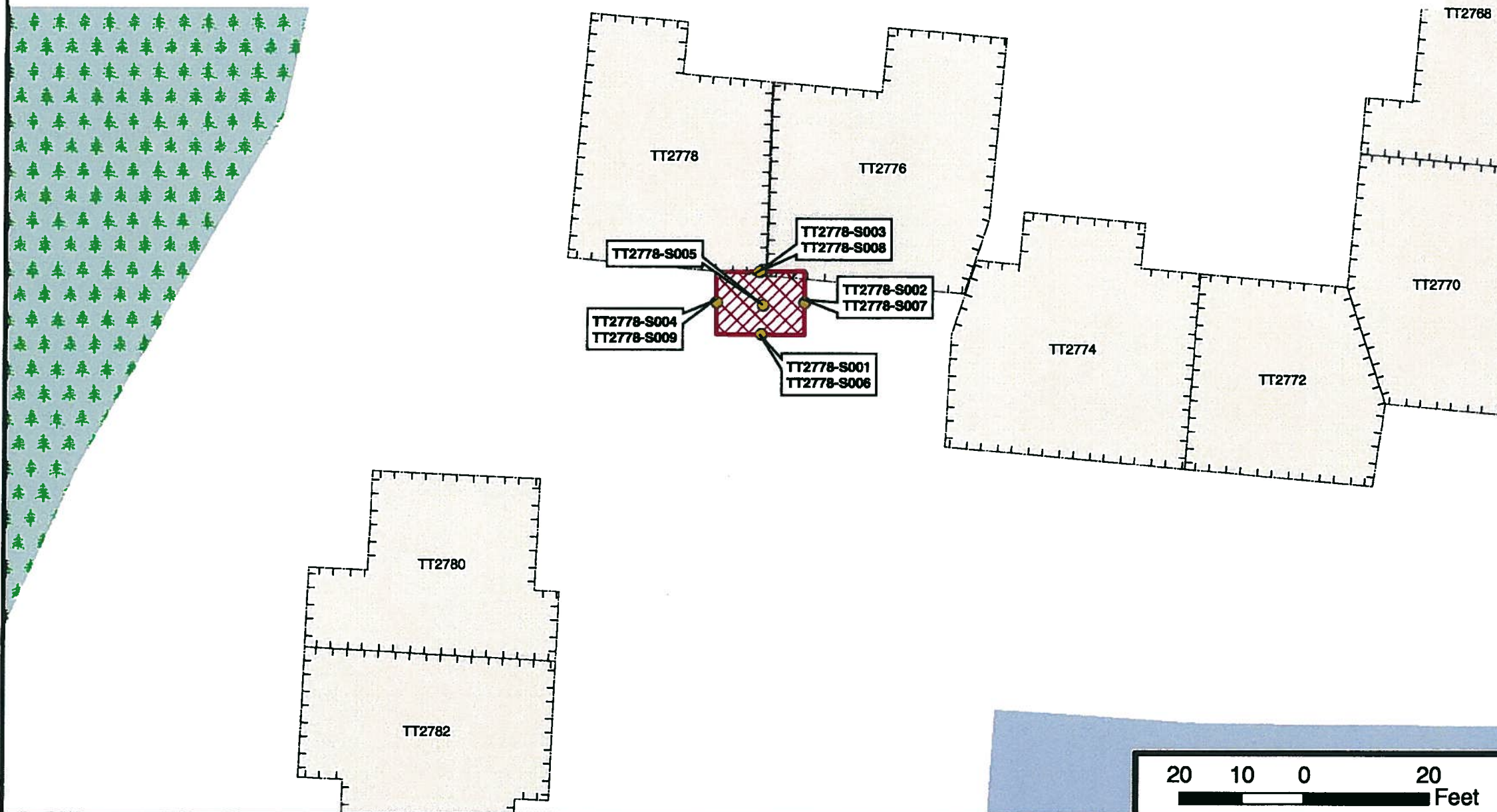


LEGEND

- Tank Excavation Area
- Soil Sample Location
- Demolished Buildings and Structures
- Slabs
- Driveways
- Parking Lots
- Woods

NOTES

- Data layers provided by MCB Camp Lejeune GIS office.
- Soil sample location TT2778-S001 provided by Lanier Surveying.
- Initial excavation limits were approximately 10' by 13' by 7' deep. Over-excavation increased depth of excavation to 11'.



SITE MAP WITH TANK
EXCAVATION SOIL
SAMPLE RESULTS

FIGURE

2

Job No.: 206-094	Date: DEC 2008	Scale: AS SHOWN	Drawn By: SAC	Checked By: NLH
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TABLE 4
SUMMARY OF SOIL LABORATORY RESULTS
EPA Method 8015 (GRO and DRO)
Excavation/Sampling Event on 10/1/2008

Sample ID	Contaminant of Concern		Gasoline Range Organics	Diesel Range Organics
	Date Collected	Boring Depth (Inches)		
NCDENR ACTION LEVEL (mg/kg)			10	40
SB01	10/1/2008	6"	<5.32	<7.09
SB02	10/1/2008	6-12"	<4.94	<6.73
SB03	10/1/2008	6-12"	<4.94	<6.91
SB04	10/1/2008	6-12"	<7.36	43.3
SB05	10/1/2008	6-12"	<5.68	<6.76
SB06	10/1/2008	6"	<5.48	<7.09
SB07	10/1/2008	6"	<4.83	<6.77

All results in milligrams per kilogram (mg/kg).
<# = Less than method detection limit
Bold results indicate concentrations above NCDENR Action Level.
BQL - Below Quantitation Limit

TABLE 5
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHODS 8260, 8270, and MADEP VFH/EPH
Excavation/Sampling Event on 10/08/2008

Sample ID	Contaminant of Concern		EPA 8260 All 269 Compounds	EPA 8270 All 270 Compounds	MADEP VFH/EPH			
	Date Collected	Sample Depth (Inches BLS)			C ₆ -C ₉ Aliphatics	C ₁₀ -C ₁₄ Aliphatics	C ₁₅ -C ₂₈ Aliphatics	C ₉ -C ₂₈ Aromatics
Residential MSCC (mg/kg)			Varies	Varies	939	9,386	93,860	469
Industrial/Commercial MSCC (mg/kg)			Varies	Varies	24,528	245,280	#	12,264
Soil to Groundwater MSCC (mg/kg)			Varies	Varies	72	3,300	#	34
SB08	10/8/2008	14-18"	BMDL	BMDL	<10.0	<20.0	<10.0	<20.0

All results in milligram per Kilogram (mg/kg)
BMDL = Below Method Detection Limit
ft. BLS = Feet Below Land Surface.
MSCC = Maximum Soil Contaminant Concentrations
= Health based level > 100%
= Considered Immobile
<# = Less than method detection limit



**TANK REMOVAL
BUILDING TT-2778
MARINE CORPS BASE
CAMP LEJEUNE, NC**

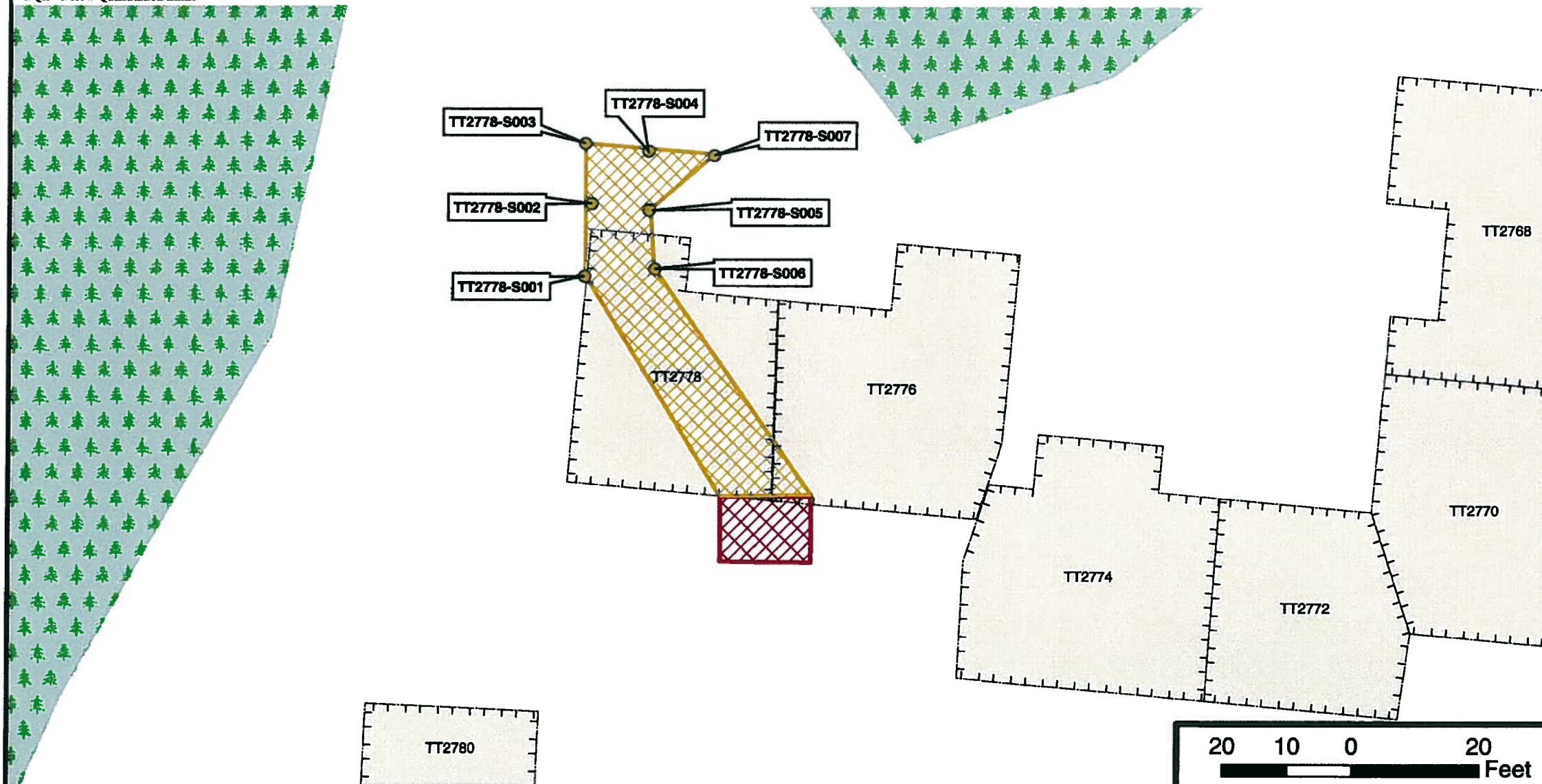


LEGEND

- Tank Excavation Area
- Surface Spill Excavation Area
- Soil Sample Location
- Demolished Buildings and Structures
- Slabs
- Driveways
- Parking Lots
- Woods

NOTES

- Data layers provided by MCB Camp Lejeune GIS office.
- Soil sample locations TT2778-S001 through TT2778-S007 provided by Lanier Surveying.



**SITE MAP WITH SURFACE
SPILL SOIL SAMPLE RESULTS**

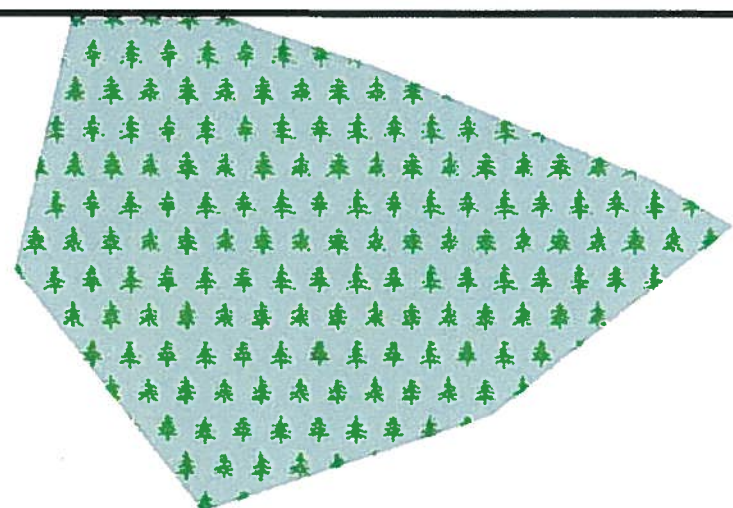
FIGURE
3

Job No.: 208-084 Date: DEC 2008 Scale: AS SHOWN Drawn By: SAC Checked By: NLH

**TABLE 3
SUMMARY OF GROUNDWATER LABORATORY RESULTS
EPA METHODS 602, 625, and MADEP VPH/EPH**

Well ID	Method →		EPA 602		EPA 625	MADEP VPH/EPH			
	Contaminant of Concern →		Ethylbenzene	Total Xylenes	Naphthalene	C ₇ -C ₈ Aliphatics	C ₉ -C ₁₀ Aliphatics	C ₁₀ -C ₁₁ Aliphatics	C ₇ -C ₈ Aromatics
	Sample ID	Date Collected							
	2L GWQS (µg/l)		550	530	21	428	4,200	42,000	218
	GCL (µg/l)		84,500	87,500	15,500	NE	NE	NE	NE
TT2778-TW01	TT2778-TW01	10/9/2008	14.2	48.9	137	<100	5,326	929	3,375

All results in micrograms per liter (µg/l).
 NE = None Established
 J = Estimated concentration, below calibration range and above Method Detection Limit (MDL)
 <@ = Less than MDL
 Field results indicate concentrations above 2L GWQS or GCL.
 GCL = Gross Contaminant Level
 2L GWQS = NCAC T15A.02L Groundwater Quality Standards



**TANK REMOVAL
BUILDING TT-2778
MARINE CORPS BASE
CAMP LEJEUNE, NC**

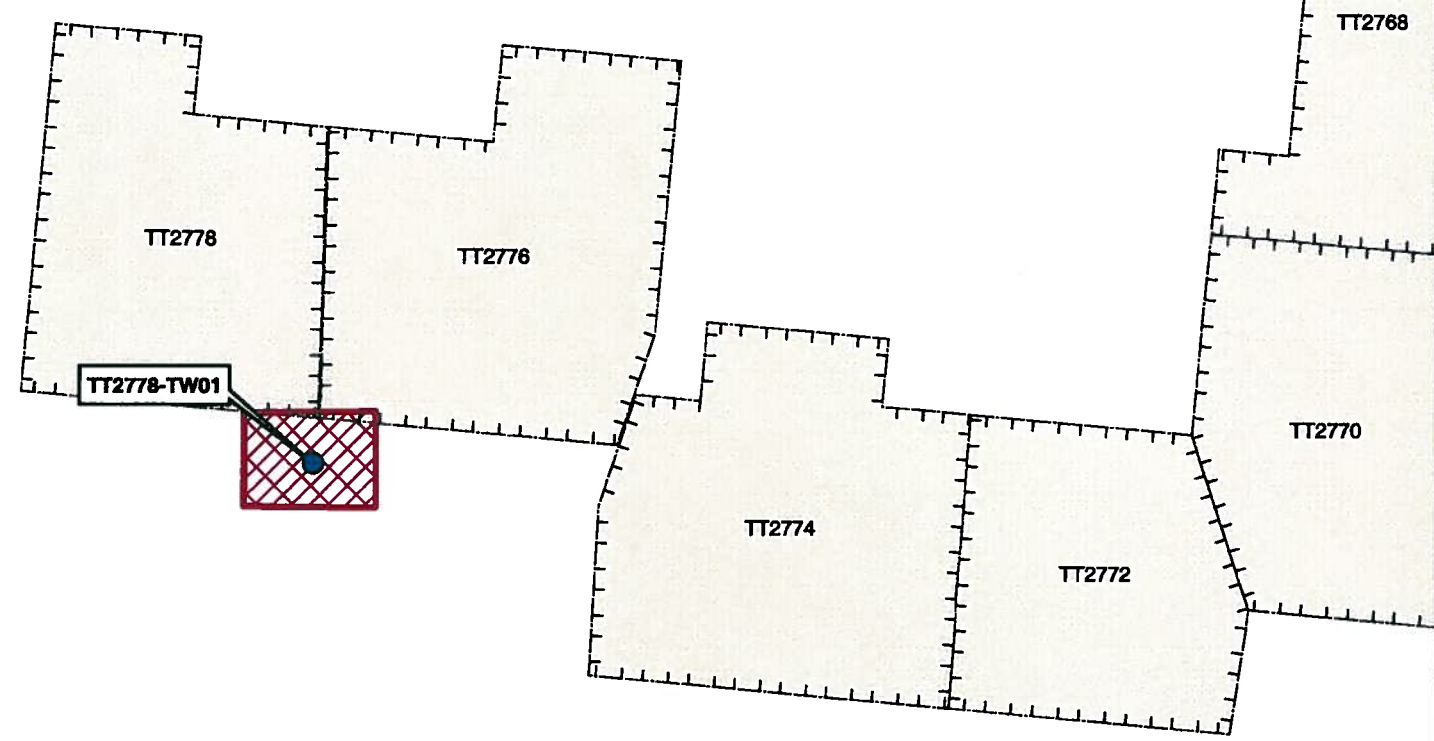
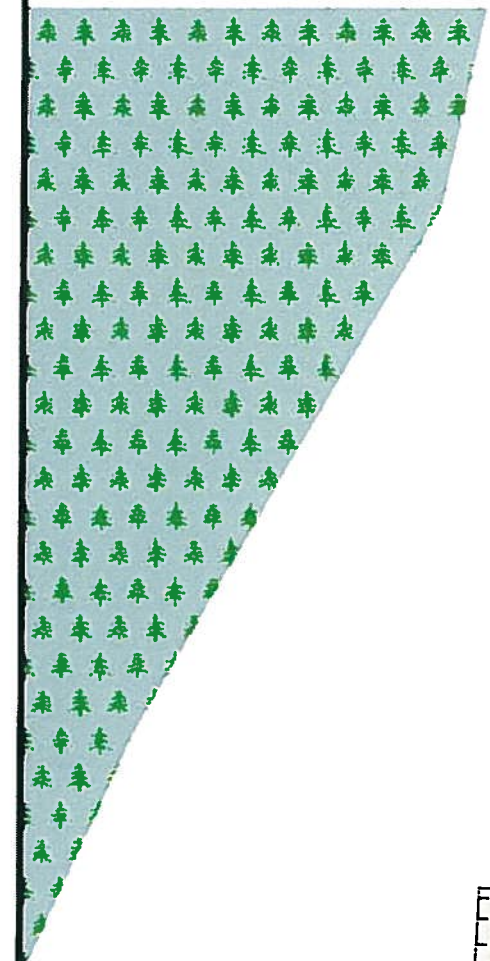


LEGEND

- Tank Excavation Area
- Groundwater Sample Location
- Demolished Buildings and Structures
- Slabs
- Driveways
- Parking Lots
- Woods

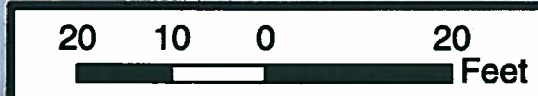
NOTES

1. Data layers provided by MCB Camp Lejeune GIS office.
2. Groundwater sample collected from temporary well TT2778-TW01.



**SITE MAP WITH GROUNDWATER
SAMPLE RESULTS**

FIGURE
4



Job No.: 208-094	Date: DEC 2008	Scale: AS SHOWN	Drawn By: SAC	Checked By: NLH
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APPENDIX D

**LABORATORY REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**

SOIL ASSESSMENT ANALYTICAL RESULTS

SGS Environmental Services, Inc.

Shane Chasteen
Richard Catlin & Associates
P.O. Box 10279
Wilmington, NC 28404-0279

Report Number: G128-2316

Client Project: TT 2778

Dear Shane Chasteen,

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS Environmental Services at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.

 2/24/09
Project Manager Date
Ashley Nifong

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

- 1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-DPT01 10-11'
 Client Project ID: TT 2778
 Lab Sample ID G128-2316-1A
 Lab Project ID: G128-2316
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 02-11-2009 13:00
 Date Received: 2/12/2009
 Matrix: Soil
 Sample Amount: 5.51 g
 %Solids: 92.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	0.0493	0.00681	1	2/19/2009	
Benzene	BQL	0.00493	0.00105	1	2/19/2009	
Bromobenzene	BQL	0.00493	0.00101	1	2/19/2009	
Bromochloromethane	BQL	0.00493	0.00169	1	2/19/2009	
Bromodichloromethane	BQL	0.00493	0.00098	1	2/19/2009	
Bromoform	BQL	0.00493	0.00099	1	2/19/2009	
Bromomethane	BQL	0.00493	0.00103	1	2/19/2009	
2-Butanone	BQL	0.0246	0.00535	1	2/19/2009	
n-Butylbenzene	BQL	0.00493	0.00094	1	2/19/2009	
sec-Butylbenzene	BQL	0.00493	0.00100	1	2/19/2009	
tert-Butylbenzene	BQL	0.00493	0.00110	1	2/19/2009	
Carbon disulfide	BQL	0.00493	0.00264	1	2/19/2009	
Carbon tetrachloride	BQL	0.00493	0.00100	1	2/19/2009	
Chlorobenzene	BQL	0.00493	0.00117	1	2/19/2009	
Chloroethane	BQL	0.00493	0.00157	1	2/19/2009	
Chloroform	BQL	0.00493	0.00118	1	2/19/2009	
Chloromethane	BQL	0.00493	0.00111	1	2/19/2009	
2-Chlorotoluene	BQL	0.00493	0.00100	1	2/19/2009	
4-Chlorotoluene	BQL	0.00493	0.00123	1	2/19/2009	
Dibromochloromethane	BQL	0.00493	0.00136	1	2/19/2009	
1,2-Dibromo-3-chloropropane	BQL	0.0246	0.00143	1	2/19/2009	
Dibromomethane	BQL	0.00493	0.00149	1	2/19/2009	
1,2-Dibromoethane (EDB)	BQL	0.00493	0.00111	1	2/19/2009	
1,2-Dichlorobenzene	BQL	0.00493	0.00127	1	2/19/2009	
1,3-Dichlorobenzene	BQL	0.00493	0.00126	1	2/19/2009	
1,4-Dichlorobenzene	BQL	0.00493	0.00103	1	2/19/2009	
trans-1,4-Dichloro-2-butene	BQL	0.0246	0.00136	1	2/19/2009	
1,1-Dichloroethane	BQL	0.00493	0.00104	1	2/19/2009	
1,1-Dichloroethene	BQL	0.00493	0.00146	1	2/19/2009	
1,2-Dichloroethane	BQL	0.00493	0.00130	1	2/19/2009	
cis-1,2-Dichloroethene	BQL	0.00493	0.00126	1	2/19/2009	
trans-1,2-dichloroethene	BQL	0.00493	0.00111	1	2/19/2009	
1,2-Dichloropropane	BQL	0.00493	0.00116	1	2/19/2009	
1,3-Dichloropropane	BQL	0.00493	0.00110	1	2/19/2009	
2,2-Dichloropropane	BQL	0.00493	0.00118	1	2/19/2009	
1,1-Dichloropropene	BQL	0.00493	0.00155	1	2/19/2009	
cis-1,3-Dichloropropene	BQL	0.00493	0.00082	1	2/19/2009	
trans-1,3-Dichloropropene	BQL	0.00493	0.00095	1	2/19/2009	
Dichlorodifluoromethane	BQL	0.00493	0.00130	1	2/19/2009	
Diisopropyl ether (DIPE)	BQL	0.00493	0.00111	1	2/19/2009	
Ethylbenzene	BQL	0.00493	0.00085	1	2/19/2009	
Hexachlorobutadiene	BQL	0.00493	0.00096	1	2/19/2009	
2-Hexanone	BQL	0.0123	0.00319	1	2/19/2009	
Iodomethane	BQL	0.00493	0.00106	1	2/19/2009	

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-DPT01 10-11'
 Client Project ID: TT 2778
 Lab Sample ID G128-2316-1A
 Lab Project ID: G128-2316
 Report Basis: Dry Weight

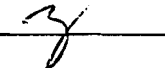
Analyzed By: MJC
 Date Collected: 02-11-2009 13:00
 Date Received: 2/12/2009
 Matrix: Soil
 Sample Amount: 5.51 g
 %Solids: 92.1


Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	0.00493	0.00088	1	2/19/2009	
4-Isopropyltoluene	BQL	0.00493	0.00105	1	2/19/2009	
Methylene chloride	BQL	0.0197	0.00117	1	2/19/2009	
4-Methyl-2-pentanone	BQL	0.0123	0.00456	1	2/19/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.00493	0.00109	1	2/19/2009	
Naphthalene	BQL	0.00493	0.00084	1	2/19/2009	
n-Propyl benzene	BQL	0.00493	0.00124	1	2/19/2009	
Styrene	BQL	0.00493	0.00108	1	2/19/2009	
1,1,1,2-Tetrachloroethane	BQL	0.00493	0.00100	1	2/19/2009	
1,1,2,2-Tetrachloroethane	BQL	0.00493	0.00111	1	2/19/2009	
Tetrachloroethene	BQL	0.00493	0.00090	1	2/19/2009	
Toluene	BQL	0.00493	0.00098	1	2/19/2009	
1,2,3-Trichlorobenzene	BQL	0.00493	0.00102	1	2/19/2009	
1,2,4-Trichlorobenzene	BQL	0.00493	0.00101	1	2/19/2009	
Trichloroethene	BQL	0.00493	0.00094	1	2/19/2009	
1,1,1-Trichloroethane	BQL	0.00493	0.00111	1	2/19/2009	
1,1,2-Trichloroethane	BQL	0.00493	0.00162	1	2/19/2009	
Trichlorofluoromethane	BQL	0.00493	0.00101	1	2/19/2009	
1,2,3-Trichloropropane	BQL	0.00493	0.00122	1	2/19/2009	
1,2,4-Trimethylbenzene	BQL	0.00493	0.00124	1	2/19/2009	
1,3,5-Trimethylbenzene	BQL	0.00493	0.00112	1	2/19/2009	
Vinyl chloride	BQL	0.00493	0.00134	1	2/19/2009	
m-,p-Xylene	BQL	0.00985	0.00189	1	2/19/2009	
o-Xylene	BQL	0.00493	0.00096	1	2/19/2009	
		Spike Added	Spike Result	Percent Recovered		
1,2-Dichloroethane-d4		0.05	0.0628	126		
Toluene-d8		0.05	0.0501	100		
4-Bromofluorobenzene		0.05	0.0419	84		

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst: 

Reviewed By: 

SGS Environmental Services, Inc.

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: TT2778-DPT02 10-11'
Client Project ID: TT 2778
Lab Sample ID G128-2316-2A
Lab Project ID: G128-2316
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-11-2009 13:30
Date Received: 2/12/2009
Matrix: Soil
Sample Amount: 5.19 g
%Solids: 90.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	0.0532	0.00735	1	2/19/2009	
Benzene	BQL	0.00532	0.00114	1	2/19/2009	
Bromobenzene	BQL	0.00532	0.00110	1	2/19/2009	
Bromochloromethane	BQL	0.00532	0.00183	1	2/19/2009	
Bromodichloromethane	BQL	0.00532	0.00106	1	2/19/2009	
Bromoform	BQL	0.00532	0.00106	1	2/19/2009	
Bromomethane	BQL	0.00532	0.00112	1	2/19/2009	
2-Butanone	BQL	0.0266	0.00578	1	2/19/2009	
n-Butylbenzene	BQL	0.00532	0.00102	1	2/19/2009	
sec-Butylbenzene	BQL	0.00532	0.00107	1	2/19/2009	
tert-Butylbenzene	BQL	0.00532	0.00119	1	2/19/2009	
Carbon disulfide	BQL	0.00532	0.00285	1	2/19/2009	
Carbon tetrachloride	BQL	0.00532	0.00109	1	2/19/2009	
Chlorobenzene	BQL	0.00532	0.00127	1	2/19/2009	
Chloroethane	BQL	0.00532	0.00169	1	2/19/2009	
Chloroform	BQL	0.00532	0.00128	1	2/19/2009	
Chloromethane	BQL	0.00532	0.00120	1	2/19/2009	
2-Chlorotoluene	BQL	0.00532	0.00107	1	2/19/2009	
4-Chlorotoluene	BQL	0.00532	0.00133	1	2/19/2009	
Dibromochloromethane	BQL	0.00532	0.00147	1	2/19/2009	
1,2-Dibromo-3-chloropropane	BQL	0.0266	0.00154	1	2/19/2009	
Dibromomethane	BQL	0.00532	0.00161	1	2/19/2009	
1,2-Dibromoethane (EDB)	BQL	0.00532	0.00120	1	2/19/2009	
1,2-Dichlorobenzene	BQL	0.00532	0.00137	1	2/19/2009	
1,3-Dichlorobenzene	BQL	0.00532	0.00136	1	2/19/2009	
1,4-Dichlorobenzene	BQL	0.00532	0.00112	1	2/19/2009	
trans-1,4-Dichloro-2-butene	BQL	0.0266	0.00147	1	2/19/2009	
1,1-Dichloroethane	BQL	0.00532	0.00113	1	2/19/2009	
1,1-Dichloroethene	BQL	0.00532	0.00157	1	2/19/2009	
1,2-Dichloroethane	BQL	0.00532	0.00140	1	2/19/2009	
cis-1,2-Dichloroethene	BQL	0.00532	0.00136	1	2/19/2009	
trans-1,2-dichloroethene	BQL	0.00532	0.00120	1	2/19/2009	
1,2-Dichloropropane	BQL	0.00532	0.00126	1	2/19/2009	
1,3-Dichloropropane	BQL	0.00532	0.00119	1	2/19/2009	
2,2-Dichloropropane	BQL	0.00532	0.00128	1	2/19/2009	
1,1-Dichloropropene	BQL	0.00532	0.00167	1	2/19/2009	
cis-1,3-Dichloropropene	BQL	0.00532	0.00089	1	2/19/2009	
trans-1,3-Dichloropropene	BQL	0.00532	0.00102	1	2/19/2009	
Dichlorodifluoromethane	BQL	0.00532	0.00140	1	2/19/2009	
Diisopropyl ether (DIPE)	BQL	0.00532	0.00120	1	2/19/2009	
Ethylbenzene	BQL	0.00532	0.00092	1	2/19/2009	
Hexachlorobutadiene	BQL	0.00532	0.00104	1	2/19/2009	
2-Hexanone	BQL	0.0133	0.00345	1	2/19/2009	
Iodomethane	BQL	0.00532	0.00115	1	2/19/2009	

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-DPT02 10-11'
Client Project ID: TT 2778
Lab Sample ID G128-2316-2A
Lab Project ID: G128-2316
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-11-2009 13:30
Date Received: 2/12/2009
Matrix: Soil
Sample Amount: 5.19 g
%Solids: 90.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	0.00532	0.00095	1	2/19/2009	
4-Isopropyltoluene	BQL	0.00532	0.00114	1	2/19/2009	
Methylene chloride	BQL	0.0213	0.00127	1	2/19/2009	
4-Methyl-2-pentanone	BQL	0.0133	0.00493	1	2/19/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.00532	0.00118	1	2/19/2009	
Naphthalene	BQL	0.00532	0.00090	1	2/19/2009	
n-Propyl benzene	BQL	0.00532	0.00134	1	2/19/2009	
Styrene	BQL	0.00532	0.00117	1	2/19/2009	
1,1,1,2-Tetrachloroethane	BQL	0.00532	0.00109	1	2/19/2009	
1,1,2,2-Tetrachloroethane	BQL	0.00532	0.00120	1	2/19/2009	
Tetrachloroethene	BQL	0.00532	0.00098	1	2/19/2009	
Toluene	BQL	0.00532	0.00106	1	2/19/2009	
1,2,3-Trichlorobenzene	BQL	0.00532	0.00111	1	2/19/2009	
1,2,4-Trichlorobenzene	BQL	0.00532	0.00110	1	2/19/2009	
Trichloroethene	BQL	0.00532	0.00101	1	2/19/2009	
1,1,1-Trichloroethane	BQL	0.00532	0.00120	1	2/19/2009	
1,1,2-Trichloroethane	BQL	0.00532	0.00174	1	2/19/2009	
Trichlorofluoromethane	BQL	0.00532	0.00110	1	2/19/2009	
1,2,3-Trichloropropane	BQL	0.00532	0.00132	1	2/19/2009	
1,2,4-Trimethylbenzene	BQL	0.00532	0.00134	1	2/19/2009	
1,3,5-Trimethylbenzene	BQL	0.00532	0.00121	1	2/19/2009	
Vinyl chloride	BQL	0.00532	0.00145	1	2/19/2009	
m-,p-Xylene	BQL	0.0106	0.00204	1	2/19/2009	
o-Xylene	BQL	0.00532	0.00103	1	2/19/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0636	127
Toluene-d8	0.05	0.0519	104
4-Bromofluorobenzene	0.05	0.0418	84

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst:

Reviewed By:

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-DPT03 10-11'
 Client Project ID: TT 2778
 Lab Sample ID G128-2316-3A
 Lab Project ID: G128-2316
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 02-11-2009 12:30
 Date Received: 2/12/2009
 Matrix: Soil
 Sample Amount: 5.23 g
 %Solids: 94.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	0.0508	0.00702	1	2/19/2009	
Benzene	BQL	0.00508	0.00109	1	2/19/2009	
Bromobenzene	BQL	0.00508	0.00105	1	2/19/2009	
Bromochloromethane	BQL	0.00508	0.00175	1	2/19/2009	
Bromodichloromethane	BQL	0.00508	0.00101	1	2/19/2009	
Bromoform	BQL	0.00508	0.00102	1	2/19/2009	
Bromomethane	BQL	0.00508	0.00107	1	2/19/2009	
2-Butanone	BQL	0.0254	0.00551	1	2/19/2009	
n-Butylbenzene	BQL	0.00508	0.00097	1	2/19/2009	
sec-Butylbenzene	BQL	0.00508	0.00103	1	2/19/2009	
tert-Butylbenzene	BQL	0.00508	0.00114	1	2/19/2009	
Carbon disulfide	BQL	0.00508	0.00272	1	2/19/2009	
Carbon tetrachloride	BQL	0.00508	0.00104	1	2/19/2009	
Chlorobenzene	BQL	0.00508	0.00121	1	2/19/2009	
Chloroethane	BQL	0.00508	0.00161	1	2/19/2009	
Chloroform	BQL	0.00508	0.00122	1	2/19/2009	
Chloromethane	BQL	0.00508	0.00115	1	2/19/2009	
2-Chlorotoluene	BQL	0.00508	0.00103	1	2/19/2009	
4-Chlorotoluene	BQL	0.00508	0.00127	1	2/19/2009	
Dibromochloromethane	BQL	0.00508	0.00140	1	2/19/2009	
1,2-Dibromo-3-chloropropane	BQL	0.0254	0.00147	1	2/19/2009	
Dibromomethane	BQL	0.00508	0.00153	1	2/19/2009	
1,2-Dibromoethane (EDB)	BQL	0.00508	0.00115	1	2/19/2009	
1,2-Dichlorobenzene	BQL	0.00508	0.00131	1	2/19/2009	
1,3-Dichlorobenzene	BQL	0.00508	0.00130	1	2/19/2009	
1,4-Dichlorobenzene	BQL	0.00508	0.00107	1	2/19/2009	
trans-1,4-Dichloro-2-butene	BQL	0.0254	0.00140	1	2/19/2009	
1,1-Dichloroethane	BQL	0.00508	0.00108	1	2/19/2009	
1,1-Dichloroethene	BQL	0.00508	0.00150	1	2/19/2009	
1,2-Dichloroethane	BQL	0.00508	0.00134	1	2/19/2009	
cis-1,2-Dichloroethene	BQL	0.00508	0.00130	1	2/19/2009	
trans-1,2-dichloroethene	BQL	0.00508	0.00115	1	2/19/2009	
1,2-Dichloropropane	BQL	0.00508	0.00120	1	2/19/2009	
1,3-Dichloropropane	BQL	0.00508	0.00114	1	2/19/2009	
2,2-Dichloropropane	BQL	0.00508	0.00122	1	2/19/2009	
1,1-Dichloropropene	BQL	0.00508	0.00159	1	2/19/2009	
cis-1,3-Dichloropropene	BQL	0.00508	0.00085	1	2/19/2009	
trans-1,3-Dichloropropene	BQL	0.00508	0.00098	1	2/19/2009	
Dichlorodifluoromethane	BQL	0.00508	0.00134	1	2/19/2009	
Diisopropyl ether (DIPE)	BQL	0.00508	0.00115	1	2/19/2009	
Ethylbenzene	BQL	0.00508	0.00088	1	2/19/2009	
Hexachlorobutadiene	BQL	0.00508	0.00099	1	2/19/2009	
2-Hexanone	BQL	0.0127	0.00329	1	2/19/2009	
Iodomethane	BQL	0.00508	0.00110	1	2/19/2009	

SGS Environmental Services, Inc.

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: TT2778-DPT03 10-11'
Client Project ID: TT 2778
Lab Sample ID G128-2316-3A
Lab Project ID: G128-2316
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-11-2009 12:30
Date Received: 2/12/2009
Matrix: Soil
Sample Amount: 5.23 g
%Solids: 94.0

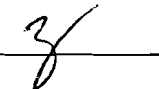
Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	0.00508	0.00090	1	2/19/2009	
4-Isopropyltoluene	BQL	0.00508	0.00109	1	2/19/2009	
Methylene chloride	BQL	0.0203	0.00121	1	2/19/2009	
4-Methyl-2-pentanone	BQL	0.0127	0.00470	1	2/19/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.00508	0.00113	1	2/19/2009	
Naphthalene	BQL	0.00508	0.00086	1	2/19/2009	
n-Propyl benzene	BQL	0.00508	0.00128	1	2/19/2009	
Styrene	BQL	0.00508	0.00112	1	2/19/2009	
1,1,1,2-Tetrachloroethane	BQL	0.00508	0.00104	1	2/19/2009	
1,1,2,2-Tetrachloroethane	BQL	0.00508	0.00115	1	2/19/2009	
Tetrachloroethene	BQL	0.00508	0.00093	1	2/19/2009	
Toluene	BQL	0.00508	0.00101	1	2/19/2009	
1,2,3-Trichlorobenzene	BQL	0.00508	0.00106	1	2/19/2009	
1,2,4-Trichlorobenzene	BQL	0.00508	0.00105	1	2/19/2009	
Trichloroethene	BQL	0.00508	0.00097	1	2/19/2009	
1,1,1-Trichloroethane	BQL	0.00508	0.00115	1	2/19/2009	
1,1,2-Trichloroethane	BQL	0.00508	0.00167	1	2/19/2009	
Trichlorofluoromethane	BQL	0.00508	0.00105	1	2/19/2009	
1,2,3-Trichloropropane	BQL	0.00508	0.00126	1	2/19/2009	
1,2,4-Trimethylbenzene	BQL	0.00508	0.00128	1	2/19/2009	
1,3,5-Trimethylbenzene	BQL	0.00508	0.00116	1	2/19/2009	
Vinyl chloride	BQL	0.00508	0.00138	1	2/19/2009	
m-,p-Xylene	BQL	0.0102	0.00195	1	2/19/2009	
o-Xylene	BQL	0.00508	0.00098	1	2/19/2009	

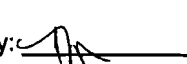
	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.063	126
Toluene-d8	0.05	0.052	104
4-Bromofluorobenzene	0.05	0.041	82

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst: 

Reviewed By: 

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-DPT04 4-6'
Client Project ID: TT 2778
Lab Sample ID G128-2316-4A
Lab Project ID: G128-2316
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-11-2009 11:50
Date Received: 2/12/2009
Matrix: Soil
Sample Amount: 6.28 g
%Solids: 77.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	0.0515	0.00712	1	2/19/2009	
Benzene	BQL	0.00515	0.00110	1	2/19/2009	
Bromobenzene	BQL	0.00515	0.00106	1	2/19/2009	
Bromochloromethane	BQL	0.00515	0.00177	1	2/19/2009	
Bromodichloromethane	BQL	0.00515	0.00102	1	2/19/2009	
Bromoform	BQL	0.00515	0.00103	1	2/19/2009	
Bromomethane.	BQL	0.00515	0.00108	1	2/19/2009	
2-Butanone	BQL	0.0257	0.00559	1	2/19/2009	
n-Butylbenzene	BQL	0.00515	0.00098	1	2/19/2009	
sec-Butylbenzene	BQL	0.00515	0.00104	1	2/19/2009	
tert-Butylbenzene	BQL	0.00515	0.00115	1	2/19/2009	
Carbon disulfide	BQL	0.00515	0.00276	1	2/19/2009	
Carbon tetrachloride	BQL	0.00515	0.00105	1	2/19/2009	
Chlorobenzene	BQL	0.00515	0.00123	1	2/19/2009	
Chloroethane	BQL	0.00515	0.00164	1	2/19/2009	
Chloroform	BQL	0.00515	0.00124	1	2/19/2009	
Chloromethane	BQL	0.00515	0.00116	1	2/19/2009	
2-Chlorotoluene	BQL	0.00515	0.00104	1	2/19/2009	
4-Chlorotoluene	BQL	0.00515	0.00129	1	2/19/2009	
Dibromochloromethane	BQL	0.00515	0.00142	1	2/19/2009	
1,2-Dibromo-3-chloropropane	BQL	0.0257	0.00149	1	2/19/2009	
Dibromomethane	BQL	0.00515	0.00156	1	2/19/2009	
1,2-Dibromoethane (EDB)	BQL	0.00515	0.00116	1	2/19/2009	
1,2-Dichlorobenzene	BQL	0.00515	0.00133	1	2/19/2009	
1,3-Dichlorobenzene	BQL	0.00515	0.00132	1	2/19/2009	
1,4-Dichlorobenzene	BQL	0.00515	0.00108	1	2/19/2009	
trans-1,4-Dichloro-2-butene	BQL	0.0257	0.00142	1	2/19/2009	
1,1-Dichloroethane	BQL	0.00515	0.00109	1	2/19/2009	
1,1-Dichloroethene	BQL	0.00515	0.00152	1	2/19/2009	
1,2-Dichloroethane	BQL	0.00515	0.00136	1	2/19/2009	
cis-1,2-Dichloroethene	BQL	0.00515	0.00132	1	2/19/2009	
trans-1,2-dichloroethene	BQL	0.00515	0.00116	1	2/19/2009	
1,2-Dichloropropane	BQL	0.00515	0.00122	1	2/19/2009	
1,3-Dichloropropane	BQL	0.00515	0.00115	1	2/19/2009	
2,2-Dichloropropane	BQL	0.00515	0.00124	1	2/19/2009	
1,1-Dichloropropene	BQL	0.00515	0.00162	1	2/19/2009	
cis-1,3-Dichloropropene	BQL	0.00515	0.00086	1	2/19/2009	
trans-1,3-Dichloropropene	BQL	0.00515	0.00099	1	2/19/2009	
Dichlorodifluoromethane	BQL	0.00515	0.00136	1	2/19/2009	
Diisopropyl ether (DIPE)	BQL	0.00515	0.00116	1	2/19/2009	
Ethylbenzene	BQL	0.00515	0.00089	1	2/19/2009	
Hexachlorobutadiene	BQL	0.00515	0.00100	1	2/19/2009	
2-Hexanone	BQL	0.0129	0.00334	1	2/19/2009	
Iodomethane	BQL	0.00515	0.00111	1	2/19/2009	

SGS Environmental Services, Inc.

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: TT2778-DPT04 4-6'
Client Project ID: TT 2778
Lab Sample ID G128-2316-4A
Lab Project ID: G128-2316
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-11-2009 11:50
Date Received: 2/12/2009
Matrix: Soil
Sample Amount: 6.28 g
%Solids: 77.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	0.00515	0.00091	1	2/19/2009	
4-Isopropyltoluene	BQL	0.00515	0.00110	1	2/19/2009	
Methylene chloride	BQL	0.0206	0.00123	1	2/19/2009	
4-Methyl-2-pentanone	BQL	0.0129	0.00477	1	2/19/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.00515	0.00114	1	2/19/2009	
Naphthalene	BQL	0.00515	0.00088	1	2/19/2009	
n-Propyl benzene	BQL	0.00515	0.00130	1	2/19/2009	
Styrene	BQL	0.00515	0.00113	1	2/19/2009	
1,1,1,2-Tetrachloroethane	BQL	0.00515	0.00105	1	2/19/2009	
1,1,2,2-Tetrachloroethane	BQL	0.00515	0.00116	1	2/19/2009	
Tetrachloroethene	BQL	0.00515	0.00094	1	2/19/2009	
Toluene	BQL	0.00515	0.00103	1	2/19/2009	
1,2,3-Trichlorobenzene	BQL	0.00515	0.00107	1	2/19/2009	
1,2,4-Trichlorobenzene	BQL	0.00515	0.00106	1	2/19/2009	
Trichloroethene	BQL	0.00515	0.00098	1	2/19/2009	
1,1,1-Trichloroethane	BQL	0.00515	0.00116	1	2/19/2009	
1,1,2-Trichloroethane	BQL	0.00515	0.00169	1	2/19/2009	
Trichlorofluoromethane	BQL	0.00515	0.00106	1	2/19/2009	
1,2,3-Trichloropropane	BQL	0.00515	0.00128	1	2/19/2009	
1,2,4-Trimethylbenzene	BQL	0.00515	0.00130	1	2/19/2009	
1,3,5-Trimethylbenzene	BQL	0.00515	0.00117	1	2/19/2009	
Vinyl chloride	BQL	0.00515	0.00140	1	2/19/2009	
m-,p-Xylene	BQL	0.0103	0.00198	1	2/19/2009	
o-Xylene	BQL	0.00515	0.00100	1	2/19/2009	

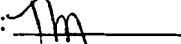
	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0653	131
Toluene-d8	0.05	0.0514	103
4-Bromofluorobenzene	0.05	0.0431	86

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst: 

Reviewed By: 

SGS Environmental Services, Inc.

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: TT2778-DPT04 10-11'
Client Project ID: TT 2778
Lab Sample ID G128-2316-5A
Lab Project ID: G128-2316
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-11-2009 12:00
Date Received: 2/12/2009
Matrix: Soil
Sample Amount: 5.44 g
%Solids: 95.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	0.0484	0.00669	1	2/19/2009	
Benzene	BQL	0.00484	0.00104	1	2/19/2009	
Bromobenzene	BQL	0.00484	0.00100	1	2/19/2009	
Bromochloromethane	BQL	0.00484	0.00166	1	2/19/2009	
Bromodichloromethane	BQL	0.00484	0.00096	1	2/19/2009	
Bromoform	BQL	0.00484	0.00097	1	2/19/2009	
Bromomethane	BQL	0.00484	0.00102	1	2/19/2009	
2-Butanone	BQL	0.0242	0.00526	1	2/19/2009	
n-Butylbenzene	0.00116	0.00484	0.00092	1	2/19/2009	J
sec-Butylbenzene	BQL	0.00484	0.00098	1	2/19/2009	
tert-Butylbenzene	BQL	0.00484	0.00108	1	2/19/2009	
Carbon disulfide	BQL	0.00484	0.00259	1	2/19/2009	
Carbon tetrachloride	BQL	0.00484	0.00099	1	2/19/2009	
Chlorobenzene	BQL	0.00484	0.00115	1	2/19/2009	
Chloroethane	BQL	0.00484	0.00154	1	2/19/2009	
Chloroform	BQL	0.00484	0.00116	1	2/19/2009	
Chloromethane	BQL	0.00484	0.00109	1	2/19/2009	
2-Chlorotoluene	BQL	0.00484	0.00098	1	2/19/2009	
4-Chlorotoluene	BQL	0.00484	0.00121	1	2/19/2009	
Dibromochloromethane	BQL	0.00484	0.00134	1	2/19/2009	
1,2-Dibromo-3-chloropropane	BQL	0.0242	0.00140	1	2/19/2009	
Dibromomethane	BQL	0.00484	0.00146	1	2/19/2009	
1,2-Dibromoethane (EDB)	BQL	0.00484	0.00109	1	2/19/2009	
1,2-Dichlorobenzene	BQL	0.00484	0.00125	1	2/19/2009	
1,3-Dichlorobenzene	BQL	0.00484	0.00124	1	2/19/2009	
1,4-Dichlorobenzene	BQL	0.00484	0.00102	1	2/19/2009	
trans-1,4-Dichloro-2-butene	BQL	0.0242	0.00134	1	2/19/2009	
1,1-Dichloroethane	BQL	0.00484	0.00103	1	2/19/2009	
1,1-Dichloroethene	BQL	0.00484	0.00143	1	2/19/2009	
1,2-Dichloroethane	BQL	0.00484	0.00128	1	2/19/2009	
cis-1,2-Dichloroethene	BQL	0.00484	0.00124	1	2/19/2009	
trans-1,2-dichloroethene	BQL	0.00484	0.00109	1	2/19/2009	
1,2-Dichloropropane	BQL	0.00484	0.00114	1	2/19/2009	
1,3-Dichloropropane	BQL	0.00484	0.00108	1	2/19/2009	
2,2-Dichloropropane	BQL	0.00484	0.00116	1	2/19/2009	
1,1-Dichloropropene	BQL	0.00484	0.00152	1	2/19/2009	
cis-1,3-Dichloropropene	BQL	0.00484	0.00081	1	2/19/2009	
trans-1,3-Dichloropropene	BQL	0.00484	0.00093	1	2/19/2009	
Dichlorodifluoromethane	BQL	0.00484	0.00128	1	2/19/2009	
Diisopropyl ether (DIPE)	BQL	0.00484	0.00109	1	2/19/2009	
Ethylbenzene	BQL	0.00484	0.00084	1	2/19/2009	
Hexachlorobutadiene	BQL	0.00484	0.00094	1	2/19/2009	
2-Hexanone	BQL	0.0121	0.00314	1	2/19/2009	
Iodomethane	BQL	0.00484	0.00105	1	2/19/2009	

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-DPT04 10-11'
 Client Project ID: TT 2778
 Lab Sample ID G128-2316-5A
 Lab Project ID: G128-2316
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 02-11-2009 12:00
 Date Received: 2/12/2009
 Matrix: Soil
 Sample Amount: 5.44 g
 %Solids: 95.0

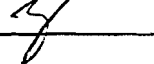
Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	0.00484	0.00086	1	2/19/2009	
4-Isopropyltoluene	BQL	0.00484	0.00104	1	2/19/2009	
Methylene chloride	BQL	0.0194	0.00115	1	2/19/2009	
4-Methyl-2-pentanone	BQL	0.0121	0.00448	1	2/19/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.00484	0.00107	1	2/19/2009	
Naphthalene	0.00469	0.00484	0.00082	1	2/19/2009	J
n-Propyl benzene	BQL	0.00484	0.00122	1	2/19/2009	
Styrene	BQL	0.00484	0.00106	1	2/19/2009	
1,1,1,2-Tetrachloroethane	BQL	0.00484	0.00099	1	2/19/2009	
1,1,2,2-Tetrachloroethane	BQL	0.00484	0.00109	1	2/19/2009	
Tetrachloroethene	BQL	0.00484	0.00089	1	2/19/2009	
Toluene	BQL	0.00484	0.00097	1	2/19/2009	
1,2,3-Trichlorobenzene	BQL	0.00484	0.00101	1	2/19/2009	
1,2,4-Trichlorobenzene	BQL	0.00484	0.00100	1	2/19/2009	
Trichloroethene	BQL	0.00484	0.00092	1	2/19/2009	
1,1,1-Trichloroethane	BQL	0.00484	0.00109	1	2/19/2009	
1,1,2-Trichloroethane	BQL	0.00484	0.00159	1	2/19/2009	
Trichlorofluoromethane	BQL	0.00484	0.00100	1	2/19/2009	
1,2,3-Trichloropropane	BQL	0.00484	0.00120	1	2/19/2009	
1,2,4-Trimethylbenzene	BQL	0.00484	0.00122	1	2/19/2009	
1,3,5-Trimethylbenzene	BQL	0.00484	0.00110	1	2/19/2009	
Vinyl chloride	BQL	0.00484	0.00132	1	2/19/2009	
m-,p-Xylene	BQL	0.00968	0.00186	1	2/19/2009	
o-Xylene	BQL	0.00484	0.00094	1	2/19/2009	

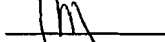
	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0662	132
Toluene-d8	0.05	0.0524	105
4-Bromofluorobenzene	0.05	0.0523	105

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst: 

Reviewed By: 

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-DPT05 4-6'
 Client Project ID: TT 2778
 Lab Sample ID G128-2316-6A
 Lab Project ID: G128-2316
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 02-11-2009 11:20
 Date Received: 2/12/2009
 Matrix: Soil
 Sample Amount: 6.11 g
 %Solids: 77.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	0.0531	0.00734	1	2/19/2009	
Benzene	BQL	0.00531	0.00114	1	2/19/2009	
Bromobenzene	BQL	0.00531	0.00109	1	2/19/2009	
Bromochloromethane	BQL	0.00531	0.00183	1	2/19/2009	
Bromodichloromethane	BQL	0.00531	0.00105	1	2/19/2009	
Bromoform	BQL	0.00531	0.00106	1	2/19/2009	
Bromomethane	BQL	0.00531	0.00111	1	2/19/2009	
2-Butanone	BQL	0.0265	0.00577	1	2/19/2009	
n-Butylbenzene	BQL	0.00531	0.00101	1	2/19/2009	
sec-Butylbenzene	BQL	0.00531	0.00107	1	2/19/2009	
tert-Butylbenzene	BQL	0.00531	0.00119	1	2/19/2009	
Carbon disulfide	BQL	0.00531	0.00285	1	2/19/2009	
Carbon tetrachloride	BQL	0.00531	0.00108	1	2/19/2009	
Chlorobenzene	BQL	0.00531	0.00126	1	2/19/2009	
Chloroethane	BQL	0.00531	0.00169	1	2/19/2009	
Chloroform	BQL	0.00531	0.00127	1	2/19/2009	
Chloromethane	BQL	0.00531	0.00120	1	2/19/2009	
2-Chlorotoluene	BQL	0.00531	0.00107	1	2/19/2009	
4-Chlorotoluene	BQL	0.00531	0.00133	1	2/19/2009	
Dibromochloromethane	BQL	0.00531	0.00147	1	2/19/2009	
1,2-Dibromo-3-chloropropane	BQL	0.0265	0.00154	1	2/19/2009	
Dibromomethane	BQL	0.00531	0.00160	1	2/19/2009	
1,2-Dibromoethane (EDB)	BQL	0.00531	0.00120	1	2/19/2009	
1,2-Dichlorobenzene	BQL	0.00531	0.00137	1	2/19/2009	
1,3-Dichlorobenzene	BQL	0.00531	0.00136	1	2/19/2009	
1,4-Dichlorobenzene	BQL	0.00531	0.00111	1	2/19/2009	
trans-1,4-Dichloro-2-butene	BQL	0.0265	0.00147	1	2/19/2009	
1,1-Dichloroethane	BQL	0.00531	0.00113	1	2/19/2009	
1,1-Dichloroethene	BQL	0.00531	0.00157	1	2/19/2009	
1,2-Dichloroethane	BQL	0.00531	0.00140	1	2/19/2009	
cis-1,2-Dichloroethene	BQL	0.00531	0.00136	1	2/19/2009	
trans-1,2-dichloroethene	BQL	0.00531	0.00120	1	2/19/2009	
1,2-Dichloropropane	BQL	0.00531	0.00125	1	2/19/2009	
1,3-Dichloropropane	BQL	0.00531	0.00119	1	2/19/2009	
2,2-Dichloropropane	BQL	0.00531	0.00127	1	2/19/2009	
1,1-Dichloropropene	BQL	0.00531	0.00167	1	2/19/2009	
cis-1,3-Dichloropropene	BQL	0.00531	0.00088	1	2/19/2009	
trans-1,3-Dichloropropene	BQL	0.00531	0.00102	1	2/19/2009	
Dichlorodifluoromethane	BQL	0.00531	0.00140	1	2/19/2009	
Diisopropyl ether (DIPE)	BQL	0.00531	0.00120	1	2/19/2009	
Ethylbenzene	BQL	0.00531	0.00092	1	2/19/2009	
Hexachlorobutadiene	BQL	0.00531	0.00104	1	2/19/2009	
2-Hexanone	BQL	0.0133	0.00344	1	2/19/2009	
Iodomethane	BQL	0.00531	0.00115	1	2/19/2009	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-DPT05 4-6'
 Client Project ID: TT 2778
 Lab Sample ID G128-2316-6A
 Lab Project ID: G128-2316
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 02-11-2009 11:20
 Date Received: 2/12/2009
 Matrix: Soil
 Sample Amount: 6.11 g
 %Solids: 77.0

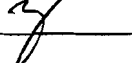
Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	0.00531	0.00094	1	2/19/2009	
4-Isopropyltoluene	BQL	0.00531	0.00114	1	2/19/2009	
Methylene chloride	BQL	0.0212	0.00126	1	2/19/2009	
4-Methyl-2-pentanone	BQL	0.0133	0.00492	1	2/19/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.00531	0.00118	1	2/19/2009	
Naphthalene	BQL	0.00531	0.00090	1	2/19/2009	
n-Propyl benzene	BQL	0.00531	0.00134	1	2/19/2009	
Styrene	BQL	0.00531	0.00117	1	2/19/2009	
1,1,1,2-Tetrachloroethane	BQL	0.00531	0.00108	1	2/19/2009	
1,1,2,2-Tetrachloroethane	BQL	0.00531	0.00120	1	2/19/2009	
Tetrachloroethene	BQL	0.00531	0.00097	1	2/19/2009	
Toluene	BQL	0.00531	0.00106	1	2/19/2009	
1,2,3-Trichlorobenzene	BQL	0.00531	0.00110	1	2/19/2009	
1,2,4-Trichlorobenzene	BQL	0.00531	0.00109	1	2/19/2009	
Trichloroethene	BQL	0.00531	0.00101	1	2/19/2009	
1,1,1-Trichloroethane	BQL	0.00531	0.00120	1	2/19/2009	
1,1,2-Trichloroethane	BQL	0.00531	0.00174	1	2/19/2009	
Trichlorofluoromethane	BQL	0.00531	0.00109	1	2/19/2009	
1,2,3-Trichloropropane	BQL	0.00531	0.00132	1	2/19/2009	
1,2,4-Trimethylbenzene	BQL	0.00531	0.00134	1	2/19/2009	
1,3,5-Trimethylbenzene	BQL	0.00531	0.00121	1	2/19/2009	
Vinyl chloride	BQL	0.00531	0.00144	1	2/19/2009	
m-,p-Xylene	BQL	0.0106	0.00204	1	2/19/2009	
o-Xylene	BQL	0.00531	0.00103	1	2/19/2009	

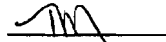
	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0686	137
Toluene-d8	0.05	0.0511	102
4-Bromofluorobenzene	0.05	0.0432	86

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst: 

Reviewed By: 

SGS Environmental Services, Inc.

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: TT2778-DPT05 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-7D
Lab Project ID: G128-2316
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 2/11/2009 11:30
Date Received: 2/12/2009
Matrix: Soil
Sample Amount: 6 g
%Solids: 88.0

Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	4.74	0.413	200	2/18/2009	
Benzene	BQL	0.190	0.0123	200	2/18/2009	
Bromobenzene	BQL	0.190	0.0106	200	2/18/2009	
Bromochloromethane	BQL	0.190	0.0191	200	2/18/2009	
Bromodichloromethane	BQL	0.190	0.0144	200	2/18/2009	
Bromoform	BQL	0.190	0.0227	200	2/18/2009	
Bromomethane	BQL	0.190	0.0252	200	2/18/2009	
2-Butanone	BQL	4.74	0.103	200	2/18/2009	
n-Butylbenzene	BQL	0.190	0.0207	200	2/18/2009	
sec-Butylbenzene	0.605	0.190	0.0159	200	2/18/2009	
tert-Butylbenzene	0.0246	0.190	0.00948	200	2/18/2009	J
Carbon disulfide	BQL	0.190	0.0131	200	2/18/2009	
Carbon tetrachloride	BQL	0.190	0.0165	200	2/18/2009	
Chlorobenzene	BQL	0.190	0.0155	200	2/18/2009	
Chloroethane	BQL	0.190	0.0201	200	2/18/2009	
Chloroform	BQL	0.190	0.0150	200	2/18/2009	
Chloromethane	BQL	0.190	0.0277	200	2/18/2009	
2-Chlorotoluene	BQL	0.190	0.0188	200	2/18/2009	
4-Chlorotoluene	BQL	0.190	0.0152	200	2/18/2009	
Dibromochloromethane	BQL	0.190	0.0171	200	2/18/2009	
1,2-Dibromo-3-chloropropane	BQL	0.948	0.229	200	2/18/2009	
Dibromomethane	BQL	0.190	0.0214	200	2/18/2009	
1,2-Dibromoethane (EDB)	BQL	0.190	0.0235	200	2/18/2009	
1,2-Dichlorobenzene	BQL	0.190	0.0241	200	2/18/2009	
1,3-Dichlorobenzene	BQL	0.190	0.0153	200	2/18/2009	
1,4-Dichlorobenzene	BQL	0.190	0.0150	200	2/18/2009	
trans-1,4-Dichloro-2-butene	BQL	0.948	0.119	200	2/18/2009	
1,1-Dichloroethane	BQL	0.190	0.0140	200	2/18/2009	
1,1-Dichloroethene	BQL	0.190	0.0169	200	2/18/2009	
1,2-Dichloroethane	BQL	0.190	0.0150	200	2/18/2009	
cis-1,2-Dichloroethene	BQL	0.190	0.0123	200	2/18/2009	
trans-1,2-dichloroethene	BQL	0.190	0.0169	200	2/18/2009	
1,2-Dichloropropane	BQL	0.190	0.0178	200	2/18/2009	
1,3-Dichloropropane	BQL	0.190	0.0241	200	2/18/2009	
2,2-Dichloropropane	BQL	0.190	0.0112	200	2/18/2009	
1,1-Dichloropropene	BQL	0.190	0.0136	200	2/18/2009	
cis-1,3-Dichloropropene	BQL	0.190	0.0144	200	2/18/2009	
trans-1,3-Dichloropropene	BQL	0.190	0.0144	200	2/18/2009	
Dichlorodifluoromethane	BQL	0.948	0.0178	200	2/18/2009	
Diisopropyl ether (DIPE)	BQL	0.190	0.0138	200	2/18/2009	
Ethylbenzene	0.116	0.190	0.0146	200	2/18/2009	J
Hexachlorobutadiene	BQL	0.190	0.0432	200	2/18/2009	
2-Hexanone	BQL	0.948	0.136	200	2/18/2009	
Iodomethane	BQL	0.190	0.00796	200	2/18/2009	
Isopropylbenzene	0.142	0.190	0.0135	200	2/18/2009	J

SGS Environmental Services, Inc.

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: TT2778-DPT05 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-7D
Lab Project ID: G128-2316
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 2/11/2009 11:30
Date Received: 2/12/2009
Matrix: Soil
Sample Amount: 6 g
%Solids: 88.0

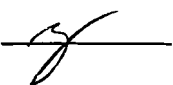
Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
4-Isopropyltoluene	0.625	0.190	0.00910	200	2/18/2009	
Methylene chloride	0.138	0.948	0.0186	200	2/18/2009	J
4-Methyl-2-pentanone	BQL	0.948	0.104	200	2/18/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.190	0.0127	200	2/18/2009	
Naphthalene	3.61	0.190	0.0252	200	2/18/2009	
n-Propyl benzene	0.354	0.190	0.0152	200	2/18/2009	
Styrene	BQL	0.190	0.0161	200	2/18/2009	
1,1,1,2-Tetrachloroethane	BQL	0.190	0.0171	200	2/18/2009	
1,1,2,2-Tetrachloroethane	BQL	0.190	0.0218	200	2/18/2009	
Tetrachloroethene	BQL	0.190	0.0131	200	2/18/2009	
Toluene	BQL	0.190	0.0144	200	2/18/2009	
1,2,3-Trichlorobenzene	BQL	0.190	0.0360	200	2/18/2009	
1,2,4-Trichlorobenzene	BQL	0.190	0.0226	200	2/18/2009	
Trichloroethene	BQL	0.190	0.0102	200	2/18/2009	
1,1,1-Trichloroethane	BQL	0.190	0.0102	200	2/18/2009	
1,1,2-Trichloroethane	BQL	0.190	0.0345	200	2/18/2009	
Trichlorofluoromethane	BQL	0.190	0.0210	200	2/18/2009	
1,2,3-Trichloropropane	BQL	0.190	0.0227	200	2/18/2009	
1,2,4-Trimethylbenzene	3.61	0.190	0.0123	200	2/18/2009	
1,3,5-Trimethylbenzene	0.919	0.190	0.0140	200	2/18/2009	
Vinyl chloride	BQL	0.190	0.0282	200	2/18/2009	
m-,p-Xylene	0.222	0.379	0.0186	200	2/18/2009	J
o-Xylene	BQL	0.190	0.0123	200	2/18/2009	

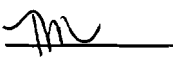
	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.01	0.00995	99
Toluene-d8	0.01	0.0102	102
4-Bromofluorobenzene	0.01	0.0108	108

Comments:

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: 

Reviewed By: 

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-DPT06 10-11'
 Client Project ID: TT 2778
 Lab Sample ID G128-2316-8A
 Lab Project ID: G128-2316
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 02-11-2009 14:00
 Date Received: 2/12/2009
 Matrix: Soil
 Sample Amount: 5.71 g
 %Solids: 91.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	0.0481	0.00665	1	2/19/2009	
Benzene	BQL	0.00481	0.00103	1	2/19/2009	
Bromobenzene	BQL	0.00481	0.00099	1	2/19/2009	
Bromochloromethane	BQL	0.00481	0.00166	1	2/19/2009	
Bromodichloromethane	BQL	0.00481	0.00096	1	2/19/2009	
Bromoform	BQL	0.00481	0.00096	1	2/19/2009	
Bromomethane	BQL	0.00481	0.00101	1	2/19/2009	
2-Butanone	BQL	0.0241	0.00523	1	2/19/2009	
n-Butylbenzene	BQL	0.00481	0.00092	1	2/19/2009	
sec-Butylbenzene	BQL	0.00481	0.00097	1	2/19/2009	
tert-Butylbenzene	BQL	0.00481	0.00108	1	2/19/2009	
Carbon disulfide	BQL	0.00481	0.00258	1	2/19/2009	
Carbon tetrachloride	BQL	0.00481	0.00098	1	2/19/2009	
Chlorobenzene	BQL	0.00481	0.00115	1	2/19/2009	
Chloroethane	BQL	0.00481	0.00153	1	2/19/2009	
Chloroform	BQL	0.00481	0.00115	1	2/19/2009	
Chloromethane	BQL	0.00481	0.00109	1	2/19/2009	
2-Chlorotoluene	BQL	0.00481	0.00097	1	2/19/2009	
4-Chlorotoluene	BQL	0.00481	0.00120	1	2/19/2009	
Dibromochloromethane	BQL	0.00481	0.00133	1	2/19/2009	
1,2-Dibromo-3-chloropropane	BQL	0.0241	0.00140	1	2/19/2009	
Dibromomethane	BQL	0.00481	0.00145	1	2/19/2009	
1,2-Dibromoethane (EDB)	BQL	0.00481	0.00109	1	2/19/2009	
1,2-Dichlorobenzene	BQL	0.00481	0.00124	1	2/19/2009	
1,3-Dichlorobenzene	BQL	0.00481	0.00123	1	2/19/2009	
1,4-Dichlorobenzene	BQL	0.00481	0.00101	1	2/19/2009	
trans-1,4-Dichloro-2-butene	BQL	0.0241	0.00133	1	2/19/2009	
1,1-Dichloroethane	BQL	0.00481	0.00102	1	2/19/2009	
1,1-Dichloroethene	BQL	0.00481	0.00142	1	2/19/2009	
1,2-Dichloroethane	BQL	0.00481	0.00127	1	2/19/2009	
cis-1,2-Dichloroethene	BQL	0.00481	0.00123	1	2/19/2009	
trans-1,2-dichloroethene	BQL	0.00481	0.00109	1	2/19/2009	
1,2-Dichloropropane	BQL	0.00481	0.00114	1	2/19/2009	
1,3-Dichloropropane	BQL	0.00481	0.00108	1	2/19/2009	
2,2-Dichloropropane	BQL	0.00481	0.00115	1	2/19/2009	
1,1-Dichloropropene	BQL	0.00481	0.00151	1	2/19/2009	
cis-1,3-Dichloropropene	BQL	0.00481	0.00080	1	2/19/2009	
trans-1,3-Dichloropropene	BQL	0.00481	0.00093	1	2/19/2009	
Dichlorodifluoromethane	BQL	0.00481	0.00127	1	2/19/2009	
Diisopropyl ether (DIPE)	BQL	0.00481	0.00109	1	2/19/2009	
Ethylbenzene	BQL	0.00481	0.00083	1	2/19/2009	
Hexachlorobutadiene	BQL	0.00481	0.00094	1	2/19/2009	
2-Hexanone	BQL	0.0120	0.00312	1	2/19/2009	
Iodomethane	BQL	0.00481	0.00104	1	2/19/2009	

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-DPT06 10-11'
 Client Project ID: TT 2778
 Lab Sample ID G128-2316-8A
 Lab Project ID: G128-2316
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 02-11-2009 14:00
 Date Received: 2/12/2009
 Matrix: Soil
 Sample Amount: 5.71 g
 %Solids: 91.0

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	0.00481	0.00085	1	2/19/2009	
4-Isopropyltoluene	BQL	0.00481	0.00103	1	2/19/2009	
Methylene chloride	BQL	0.0192	0.00115	1	2/19/2009	
4-Methyl-2-pentanone	BQL	0.0120	0.00446	1	2/19/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.00481	0.00107	1	2/19/2009	
Naphthalene	BQL	0.00481	0.00082	1	2/19/2009	
n-Propyl benzene	BQL	0.00481	0.00121	1	2/19/2009	
Styrene	BQL	0.00481	0.00106	1	2/19/2009	
1,1,1,2-Tetrachloroethane	BQL	0.00481	0.00098	1	2/19/2009	
1,1,2,2-Tetrachloroethane	BQL	0.00481	0.00109	1	2/19/2009	
Tetrachloroethene	BQL	0.00481	0.00088	1	2/19/2009	
Toluene	BQL	0.00481	0.00096	1	2/19/2009	
1,2,3-Trichlorobenzene	BQL	0.00481	0.00100	1	2/19/2009	
1,2,4-Trichlorobenzene	BQL	0.00481	0.00099	1	2/19/2009	
Trichloroethene	BQL	0.00481	0.00092	1	2/19/2009	
1,1,1-Trichloroethane	BQL	0.00481	0.00109	1	2/19/2009	
1,1,2-Trichloroethane	BQL	0.00481	0.00158	1	2/19/2009	
Trichlorofluoromethane	BQL	0.00481	0.00099	1	2/19/2009	
1,2,3-Trichloropropane	BQL	0.00481	0.00119	1	2/19/2009	
1,2,4-Trimethylbenzene	BQL	0.00481	0.00121	1	2/19/2009	
1,3,5-Trimethylbenzene	BQL	0.00481	0.00110	1	2/19/2009	
Vinyl chloride	BQL	0.00481	0.00131	1	2/19/2009	
m-,p-Xylene	BQL	0.00962	0.00185	1	2/19/2009	
o-Xylene	BQL	0.00481	0.00093	1	2/19/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0665	133
Toluene-d8	0.05	0.0483	97
4-Bromofluorobenzene	0.05	0.0442	88

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst: *zy*

Reviewed By: *tm*

SGS Environmental Services, Inc.

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: TT2778-DPD07 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-9D
Lab Project ID: G128-2316
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 2/11/2009 14:20
Date Received: 2/12/2009
Matrix: Soil
Sample Amount: 5.92 g
%Solids: 87.0

Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	2.43	0.212	100	2/18/2009	
Benzene	BQL	0.0971	0.00631	100	2/18/2009	
Bromobenzene	BQL	0.0971	0.00544	100	2/18/2009	
Bromochloromethane	BQL	0.0971	0.00981	100	2/18/2009	
Bromodichloromethane	BQL	0.0971	0.00738	100	2/18/2009	
Bromoform	BQL	0.0971	0.0116	100	2/18/2009	
Bromomethane	BQL	0.0971	0.0129	100	2/18/2009	
2-Butanone	BQL	2.43	0.0528	100	2/18/2009	
n-Butylbenzene	BQL	0.0971	0.0106	100	2/18/2009	
sec-Butylbenzene	0.442	0.0971	0.00815	100	2/18/2009	
tert-Butylbenzene	0.0223	0.0971	0.00485	100	2/18/2009	J
Carbon disulfide	BQL	0.0971	0.00670	100	2/18/2009	
Carbon tetrachloride	BQL	0.0971	0.00845	100	2/18/2009	
Chlorobenzene	BQL	0.0971	0.00796	100	2/18/2009	
Chloroethane	BQL	0.0971	0.0103	100	2/18/2009	
Chloroform	BQL	0.0971	0.00767	100	2/18/2009	
Chloromethane	BQL	0.0971	0.0142	100	2/18/2009	
2-Chlorotoluene	BQL	0.0971	0.00961	100	2/18/2009	
4-Chlorotoluene	BQL	0.0971	0.00777	100	2/18/2009	
Dibromochloromethane	BQL	0.0971	0.00874	100	2/18/2009	
1,2-Dibromo-3-chloropropane	BQL	0.485	0.117	100	2/18/2009	
Dibromomethane	BQL	0.0971	0.0110	100	2/18/2009	
1,2-Dibromoethane (EDB)	BQL	0.0971	0.0120	100	2/18/2009	
1,2-Dichlorobenzene	BQL	0.0971	0.0123	100	2/18/2009	
1,3-Dichlorobenzene	BQL	0.0971	0.00786	100	2/18/2009	
1,4-Dichlorobenzene	BQL	0.0971	0.00767	100	2/18/2009	
trans-1,4-Dichloro-2-butene	BQL	0.485	0.0612	100	2/18/2009	
1,1-Dichloroethane	BQL	0.0971	0.00718	100	2/18/2009	
1,1-Dichloroethene	BQL	0.0971	0.00864	100	2/18/2009	
1,2-Dichloroethane	BQL	0.0971	0.00767	100	2/18/2009	
cis-1,2-Dichloroethene	BQL	0.0971	0.00631	100	2/18/2009	
trans-1,2-dichloroethene	BQL	0.0971	0.00864	100	2/18/2009	
1,2-Dichloropropane	BQL	0.0971	0.00913	100	2/18/2009	
1,3-Dichloropropane	BQL	0.0971	0.0123	100	2/18/2009	
2,2-Dichloropropane	BQL	0.0971	0.00573	100	2/18/2009	
1,1-Dichloropropene	BQL	0.0971	0.00699	100	2/18/2009	
cis-1,3-Dichloropropene	BQL	0.0971	0.00738	100	2/18/2009	
trans-1,3-Dichloropropene	BQL	0.0971	0.00738	100	2/18/2009	
Dichlorodifluoromethane	BQL	0.485	0.00913	100	2/18/2009	
Diisopropyl ether (DIPE)	BQL	0.0971	0.00709	100	2/18/2009	
Ethylbenzene	0.0757	0.0971	0.00748	100	2/18/2009	J
Hexachlorobutadiene	BQL	0.0971	0.0221	100	2/18/2009	
2-Hexanone	BQL	0.485	0.0699	100	2/18/2009	
Iodomethane	BQL	0.0971	0.00408	100	2/18/2009	
Isopropylbenzene	0.0981	0.0971	0.00689	100	2/18/2009	

SGS Environmental Services, Inc.

Results for Volatiles
by GCMS 8260B/5035

Client Sample ID: TT2778-DPD07 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-9D
Lab Project ID: G128-2316
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 2/11/2009 14:20
Date Received: 2/12/2009
Matrix: Soil
Sample Amount: 5.92 g
%Solids: 87.0

Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
4-Isopropyltoluene	0.468	0.0971	0.00466	100	2/18/2009	
Methylene chloride	0.0641	0.485	0.00951	100	2/18/2009	J
4-Methyl-2-pentanone	BQL	0.485	0.0534	100	2/18/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.0971	0.00650	100	2/18/2009	
Naphthalene	1.99	0.0971	0.0129	100	2/18/2009	
n-Propyl benzene	0.244	0.0971	0.00777	100	2/18/2009	
Styrene	BQL	0.0971	0.00825	100	2/18/2009	
1,1,1,2-Tetrachloroethane	BQL	0.0971	0.00874	100	2/18/2009	
1,1,2,2-Tetrachloroethane	BQL	0.0971	0.0112	100	2/18/2009	
Tetrachloroethene	BQL	0.0971	0.00670	100	2/18/2009	
Toluene	BQL	0.0971	0.00738	100	2/18/2009	
1,2,3-Trichlorobenzene	BQL	0.0971	0.0184	100	2/18/2009	
1,2,4-Trichlorobenzene	BQL	0.0971	0.0116	100	2/18/2009	
Trichloroethene	BQL	0.0971	0.00524	100	2/18/2009	
1,1,1-Trichloroethane	BQL	0.0971	0.00524	100	2/18/2009	
1,1,2-Trichloroethane	BQL	0.0971	0.0177	100	2/18/2009	
Trichlorofluoromethane	BQL	0.0971	0.0108	100	2/18/2009	
1,2,3-Trichloropropane	BQL	0.0971	0.0116	100	2/18/2009	
1,2,4-Trimethylbenzene	2.56	0.0971	0.00631	100	2/18/2009	
1,3,5-Trimethylbenzene	0.680	0.0971	0.00718	100	2/18/2009	
Vinyl chloride	BQL	0.0971	0.0145	100	2/18/2009	
m-,p-Xylene	0.150	0.194	0.00951	100	2/18/2009	J
o-Xylene	BQL	0.0971	0.00631	100	2/18/2009	

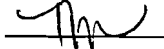
	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.01	0.00991	99
Toluene-d8	0.01	0.01	100
4-Bromofluorobenzene	0.01	0.0102	102

Comments:

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Analyst: 

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT01 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-1I
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 32.97 g

Analyzed By: DCS
Date Collected: 2/11/2009 13:00
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 92.12

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	0.329	0.050	1	2/17/2009	
Acenaphthylene	BQL	0.329	0.046	1	2/17/2009	
Anthracene	BQL	0.329	0.045	1	2/17/2009	
Benzo[a]anthracene	BQL	0.329	0.045	1	2/17/2009	
Benzo[a]pyrene	BQL	0.329	0.047	1	2/17/2009	
Benzo[b]fluoranthene	BQL	0.329	0.046	1	2/17/2009	
Benzo[g,h,i]perylene	BQL	0.329	0.057	1	2/17/2009	
Benzo[k]fluoranthene	BQL	0.329	0.047	1	2/17/2009	
Benzoic Acid	BQL	0.659	0.407	1	2/17/2009	
Bis(2-chloroethoxy)methane	BQL	0.329	0.048	1	2/17/2009	
Bis(2-chloroethyl)ether	BQL	0.329	0.067	1	2/17/2009	
Bis(2-chloroisopropyl)ether	BQL	0.329	0.053	1	2/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	0.329	0.050	1	2/17/2009	
4-bromophenyl phenyl ether	BQL	0.329	0.058	1	2/17/2009	
Butylbenzylphthalate	BQL	0.329	0.049	1	2/17/2009	
2-Chloronaphthalene	BQL	0.329	0.046	1	2/17/2009	
2-Chlorophenol	BQL	0.329	0.042	1	2/17/2009	
4-Chloro-3-methylphenol	BQL	0.329	0.048	1	2/17/2009	
4-Chloroaniline	BQL	1.65	0.054	1	2/17/2009	
4-Chlorophenyl phenyl ether	BQL	0.329	0.048	1	2/17/2009	
Chrysene	BQL	0.329	0.032	1	2/17/2009	
Dibenzo[a,h]anthracene	BQL	0.329	0.042	1	2/17/2009	
Dibenzofuran	BQL	0.329	0.046	1	2/17/2009	
Di-n-Butylphthalate	BQL	0.329	0.048	1	2/17/2009	
1,2-Dichlorobenzene	BQL	0.329	0.056	1	2/17/2009	
1,3-Dichlorobenzene	BQL	0.329	0.053	1	2/17/2009	
1,4-Dichlorobenzene	BQL	0.329	0.048	1	2/17/2009	
3,3'-Dichlorobenzidine	BQL	0.659	0.054	1	2/17/2009	
2,4-Dichlorophenol	BQL	0.329	0.036	1	2/17/2009	
Diethylphthalate	BQL	0.329	0.044	1	2/17/2009	
Dimethylphthalate	BQL	0.329	0.051	1	2/17/2009	
2,4-Dimethylphenol	BQL	0.329	0.060	1	2/17/2009	
Di-n-octylphthalate	BQL	0.329	0.051	1	2/17/2009	
4,6-Dinitro-2-methylphenol	BQL	1.65	0.039	1	2/17/2009	
2,4-Dinitrophenol	BQL	1.65	0.043	1	2/17/2009	
2,4-Dinitrotoluene	BQL	0.329	0.050	1	2/17/2009	
2,6-Dinitrotoluene	BQL	0.329	0.054	1	2/17/2009	
Fluoranthene	BQL	0.329	0.053	1	2/17/2009	
Fluorene	BQL	0.329	0.051	1	2/17/2009	
Hexachlorobenzene	BQL	0.329	0.071	1	2/17/2009	
Hexachlorobutadiene	BQL	0.329	0.060	1	2/17/2009	
Hexachlorocyclopentadiene	BQL	0.659	0.064	1	2/17/2009	
Hexachloroethane	BQL	0.329	0.051	1	2/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	0.329	0.039	1	2/17/2009	
Isophorone	BQL	0.329	0.048	1	2/17/2009	
2-Methylnaphthalene	BQL	0.329	0.054	1	2/17/2009	
2-Methylphenol	BQL	0.329	0.050	1	2/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT01 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-11
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 32.97 g

Analyzed By: DCS
Date Collected: 2/11/2009 13:00
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 92.12

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	0.329	0.043	1	2/17/2009	
Naphthalene	BQL	0.329	0.046	1	2/17/2009	
2-Nitroaniline	BQL	0.329	0.044	1	2/17/2009	
3-Nitroaniline	BQL	1.65	0.048	1	2/17/2009	
4-Nitroaniline	BQL	1.65	0.044	1	2/17/2009	
Nitrobenzene	BQL	0.329	0.044	1	2/17/2009	
2-Nitrophenol	BQL	0.329	0.048	1	2/17/2009	
4-Nitrophenol	BQL	1.65	0.057	1	2/17/2009	
Diphenylamine *	BQL	0.329	0.053	1	2/17/2009	
Pentachlorophenol	BQL	1.65	0.030	1	2/17/2009	
Phenanthrene	BQL	0.329	0.046	1	2/17/2009	
Phenol	BQL	0.329	0.045	1	2/17/2009	
Pyrene	BQL	0.329	0.045	1	2/17/2009	
1,2,4-Trichlorobenzene	BQL	0.329	0.059	1	2/17/2009	
2,4,5-Trichlorophenol	BQL	0.329	0.049	1	2/17/2009	
2,4,6-Trichlorophenol	BQL	0.329	0.029	1	2/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.6	96		
2-Fluorophenol		10	8.4	84		
Nitrobenzene-d5		10	9.2	92		
Phenol-d6		10	9.4	94		
2,4,6-Tribromophenol		10	7.5	75		
4-Terphenyl-d14		4	4.3	108		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT02 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-21
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 31.44 g

Analyzed By: DCS
Date Collected: 2/11/2009 13:30
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 90.38

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	0.352	0.054	1	2/17/2009	
Acenaphthylene	BQL	0.352	0.049	1	2/17/2009	
Anthracene	BQL	0.352	0.048	1	2/17/2009	
Benzo[a]anthracene	BQL	0.352	0.048	1	2/17/2009	
Benzo[a]pyrene	BQL	0.352	0.051	1	2/17/2009	
Benzo[b]fluoranthene	BQL	0.352	0.049	1	2/17/2009	
Benzo[g,h,i]perylene	BQL	0.352	0.061	1	2/17/2009	
Benzo[k]fluoranthene	BQL	0.352	0.050	1	2/17/2009	
Benzoic Acid	BQL	0.704	0.435	1	2/17/2009	
Bis(2-chloroethoxy)methane	BQL	0.352	0.052	1	2/17/2009	
Bis(2-chloroethyl)ether	BQL	0.352	0.071	1	2/17/2009	
Bis(2-chloroisopropyl)ether	BQL	0.352	0.057	1	2/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	0.352	0.054	1	2/17/2009	
4-bromophenyl phenyl ether	BQL	0.352	0.062	1	2/17/2009	
Butylbenzylphthalate	BQL	0.352	0.052	1	2/17/2009	
2-Chloronaphthalene	BQL	0.352	0.049	1	2/17/2009	
2-Chlorophenol	BQL	0.352	0.045	1	2/17/2009	
4-Chloro-3-methylphenol	BQL	0.352	0.051	1	2/17/2009	
4-Chloroaniline	BQL	1.76	0.057	1	2/17/2009	
4-Chlorophenyl phenyl ether	BQL	0.352	0.052	1	2/17/2009	
Chrysene	BQL	0.352	0.034	1	2/17/2009	
Dibenzo[a,h]anthracene	BQL	0.352	0.045	1	2/17/2009	
Dibenzofuran	BQL	0.352	0.050	1	2/17/2009	
Di-n-Butylphthalate	BQL	0.352	0.051	1	2/17/2009	
1,2-Dichlorobenzene	BQL	0.352	0.060	1	2/17/2009	
1,3-Dichlorobenzene	BQL	0.352	0.057	1	2/17/2009	
1,4-Dichlorobenzene	BQL	0.352	0.051	1	2/17/2009	
3,3'-Dichlorobenzidine	BQL	0.704	0.058	1	2/17/2009	
2,4-Dichlorophenol	BQL	0.352	0.038	1	2/17/2009	
Diethylphthalate	BQL	0.352	0.047	1	2/17/2009	
Dimethylphthalate	BQL	0.352	0.055	1	2/17/2009	
2,4-Dimethylphenol	BQL	0.352	0.064	1	2/17/2009	
Di-n-octylphthalate	BQL	0.352	0.054	1	2/17/2009	
4,6-Dinitro-2-methylphenol	BQL	1.76	0.042	1	2/17/2009	
2,4-Dinitrophenol	BQL	1.76	0.046	1	2/17/2009	
2,4-Dinitrotoluene	BQL	0.352	0.054	1	2/17/2009	
2,6-Dinitrotoluene	BQL	0.352	0.058	1	2/17/2009	
Fluoranthene	BQL	0.352	0.057	1	2/17/2009	
Fluorene	BQL	0.352	0.055	1	2/17/2009	
Hexachlorobenzene	BQL	0.352	0.076	1	2/17/2009	
Hexachlorobutadiene	BQL	0.352	0.064	1	2/17/2009	
Hexachlorocyclopentadiene	BQL	0.704	0.069	1	2/17/2009	
Hexachloroethane	BQL	0.352	0.055	1	2/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	0.352	0.042	1	2/17/2009	
Isophorone	BQL	0.352	0.051	1	2/17/2009	
2-Methylnaphthalene	BQL	0.352	0.057	1	2/17/2009	
2-Methylphenol	BQL	0.352	0.054	1	2/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT02 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-2I
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 31.44 g

Analyzed By: DCS
Date Collected: 2/11/2009 13:30
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 90.38

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	0.352	0.046	1	2/17/2009	
Naphthalene	BQL	0.352	0.049	1	2/17/2009	
2-Nitroaniline	BQL	0.352	0.047	1	2/17/2009	
3-Nitroaniline	BQL	1.76	0.052	1	2/17/2009	
4-Nitroaniline	BQL	1.76	0.047	1	2/17/2009	
Nitrobenzene	BQL	0.352	0.047	1	2/17/2009	
2-Nitrophenol	BQL	0.352	0.051	1	2/17/2009	
4-Nitrophenol	BQL	1.76	0.061	1	2/17/2009	
Diphenylamine *	BQL	0.352	0.057	1	2/17/2009	
Pentachlorophenol	BQL	1.76	0.032	1	2/17/2009	
Phenanthrene	BQL	0.352	0.049	1	2/17/2009	
Phenol	BQL	0.352	0.048	1	2/17/2009	
Pyrene	BQL	0.352	0.048	1	2/17/2009	
1,2,4-Trichlorobenzene	BQL	0.352	0.063	1	2/17/2009	
2,4,5-Trichlorophenol	BQL	0.352	0.052	1	2/17/2009	
2,4,6-Trichlorophenol	BQL	0.352	0.031	1	2/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	10.1	101		
2-Fluorophenol		10	8.6	86		
Nitrobenzene-d5		10	9.6	96		
Phenol-d6		10	9.6	96		
2,4,6-Tribromophenol		10	7.9	79		
4-Terphenyl-d14		4	4.7	118		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT03 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-3I
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 32.93 g

Analyzed By: DCS
Date Collected: 2/11/2009 12:30
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 93.97

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	0.323	0.049	1	2/17/2009	
Acenaphthylene	BQL	0.323	0.045	1	2/17/2009	
Anthracene	BQL	0.323	0.044	1	2/17/2009	
Benzo[a]anthracene	BQL	0.323	0.044	1	2/17/2009	
Benzo[a]pyrene	BQL	0.323	0.047	1	2/17/2009	
Benzo[b]fluoranthene	BQL	0.323	0.045	1	2/17/2009	
Benzo[g,h,i]perylene	BQL	0.323	0.056	1	2/17/2009	
Benzo[k]fluoranthene	BQL	0.323	0.046	1	2/17/2009	
Benzoic Acid	BQL	0.646	0.399	1	2/17/2009	
Bis(2-chloroethoxy)methane	BQL	0.323	0.048	1	2/17/2009	
Bis(2-chloroethyl)ether	BQL	0.323	0.066	1	2/17/2009	
Bis(2-chloroisopropyl)ether	BQL	0.323	0.052	1	2/17/2009	
Bis(2-ethylhexyl)phthalate	BQL	0.323	0.049	1	2/17/2009	
4-bromophenyl phenyl ether	BQL	0.323	0.057	1	2/17/2009	
Butylbenzylphthalate	BQL	0.323	0.048	1	2/17/2009	
2-Chloronaphthalene	BQL	0.323	0.045	1	2/17/2009	
2-Chlorophenol	BQL	0.323	0.041	1	2/17/2009	
4-Chloro-3-methylphenol	BQL	0.323	0.047	1	2/17/2009	
4-Chloroaniline	BQL	1.62	0.053	1	2/17/2009	
4-Chlorophenyl phenyl ether	BQL	0.323	0.048	1	2/17/2009	
Chrysene	BQL	0.323	0.031	1	2/17/2009	
Dibenzo[a,h]anthracene	BQL	0.323	0.041	1	2/17/2009	
Dibenzofuran	BQL	0.323	0.046	1	2/17/2009	
Di-n-Butylphthalate	BQL	0.323	0.047	1	2/17/2009	
1,2-Dichlorobenzene	BQL	0.323	0.055	1	2/17/2009	
1,3-Dichlorobenzene	BQL	0.323	0.052	1	2/17/2009	
1,4-Dichlorobenzene	BQL	0.323	0.047	1	2/17/2009	
3,3'-Dichlorobenzidine	BQL	0.646	0.053	1	2/17/2009	
2,4-Dichlorophenol	BQL	0.323	0.035	1	2/17/2009	
Diethylphthalate	BQL	0.323	0.043	1	2/17/2009	
Dimethylphthalate	BQL	0.323	0.050	1	2/17/2009	
2,4-Dimethylphenol	BQL	0.323	0.059	1	2/17/2009	
Di-n-octylphthalate	BQL	0.323	0.050	1	2/17/2009	
4,6-Dinitro-2-methylphenol	BQL	1.62	0.039	1	2/17/2009	
2,4-Dinitrophenol	BQL	1.62	0.042	1	2/17/2009	
2,4-Dinitrotoluene	BQL	0.323	0.049	1	2/17/2009	
2,6-Dinitrotoluene	BQL	0.323	0.053	1	2/17/2009	
Fluoranthene	BQL	0.323	0.052	1	2/17/2009	
Fluorene	BQL	0.323	0.050	1	2/17/2009	
Hexachlorobenzene	BQL	0.323	0.070	1	2/17/2009	
Hexachlorobutadiene	BQL	0.323	0.059	1	2/17/2009	
Hexachlorocyclopentadiene	BQL	0.646	0.063	1	2/17/2009	
Hexachloroethane	BQL	0.323	0.050	1	2/17/2009	
Indeno(1,2,3-c,d)pyrene	BQL	0.323	0.038	1	2/17/2009	
Isophorone	BQL	0.323	0.047	1	2/17/2009	
2-Methylnaphthalene	BQL	0.323	0.053	1	2/17/2009	
2-Methylphenol	BQL	0.323	0.049	1	2/17/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT03 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-3I
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 32.93 g

Analyzed By: DCS
Date Collected: 2/11/2009 12:30
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 93.97

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	0.323	0.042	1	2/17/2009	
Naphthalene	BQL	0.323	0.045	1	2/17/2009	
2-Nitroaniline	BQL	0.323	0.043	1	2/17/2009	
3-Nitroaniline	BQL	1.62	0.048	1	2/17/2009	
4-Nitroaniline	BQL	1.62	0.043	1	2/17/2009	
Nitrobenzene	BQL	0.323	0.043	1	2/17/2009	
2-Nitrophenol	BQL	0.323	0.047	1	2/17/2009	
4-Nitrophenol	BQL	1.62	0.056	1	2/17/2009	
Diphenylamine *	BQL	0.323	0.052	1	2/17/2009	
Pentachlorophenol	BQL	1.62	0.030	1	2/17/2009	
Phenanthrene	BQL	0.323	0.045	1	2/17/2009	
Phenol	BQL	0.323	0.044	1	2/17/2009	
Pyrene	BQL	0.323	0.044	1	2/17/2009	
1,2,4-Trichlorobenzene	BQL	0.323	0.058	1	2/17/2009	
2,4,5-Trichlorophenol	BQL	0.323	0.048	1	2/17/2009	
2,4,6-Trichlorophenol	BQL	0.323	0.029	1	2/17/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	10	100		
2-Fluorophenol		10	8.4	84		
Nitrobenzene-d5		10	9.7	97		
Phenol-d6		10	9.4	94		
2,4,6-Tribromophenol		10	7.6	76		
4-Terphenyl-d14		4	4.4	111		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT04 4-6'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-4I
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 31.58 g

Analyzed By: DCS
Date Collected: 2/11/2009 11:50
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 77.19

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	0.410	0.063	1	2/18/2009	
Acenaphthylene	BQL	0.410	0.057	1	2/18/2009	
Anthracene	BQL	0.410	0.056	1	2/18/2009	
Benzo[a]anthracene	BQL	0.410	0.056	1	2/18/2009	
Benzo[a]pyrene	BQL	0.410	0.059	1	2/18/2009	
Benzo[b]fluoranthene	BQL	0.410	0.057	1	2/18/2009	
Benzo[g,h,i]perylene	BQL	0.410	0.071	1	2/18/2009	
Benzo[k]fluoranthene	BQL	0.410	0.058	1	2/18/2009	
Benzoic Acid	BQL	0.820	0.507	1	2/18/2009	
Bis(2-chloroethoxy)methane	BQL	0.410	0.060	1	2/18/2009	
Bis(2-chloroethyl)ether	BQL	0.410	0.083	1	2/18/2009	
Bis(2-chloroisopropyl)ether	BQL	0.410	0.066	1	2/18/2009	
Bis(2-ethylhexyl)phthalate	BQL	0.410	0.063	1	2/18/2009	
4-bromophenyl phenyl ether	BQL	0.410	0.073	1	2/18/2009	
Butylbenzylphthalate	BQL	0.410	0.061	1	2/18/2009	
2-Chloronaphthalene	BQL	0.410	0.057	1	2/18/2009	
2-Chlorophenol	BQL	0.410	0.052	1	2/18/2009	
4-Chloro-3-methylphenol	BQL	0.410	0.060	1	2/18/2009	
4-Chloroaniline	BQL	2.05	0.067	1	2/18/2009	
4-Chlorophenyl phenyl ether	BQL	0.410	0.060	1	2/18/2009	
Chrysene	BQL	0.410	0.039	1	2/18/2009	
Dibenzo[a,h]anthracene	BQL	0.410	0.053	1	2/18/2009	
Dibenzofuran	BQL	0.410	0.058	1	2/18/2009	
Di-n-Butylphthalate	BQL	0.410	0.060	1	2/18/2009	
1,2-Dichlorobenzene	BQL	0.410	0.069	1	2/18/2009	
1,3-Dichlorobenzene	BQL	0.410	0.067	1	2/18/2009	
1,4-Dichlorobenzene	BQL	0.410	0.060	1	2/18/2009	
3,3'-Dichlorobenzidine	BQL	0.820	0.068	1	2/18/2009	
2,4-Dichlorophenol	BQL	0.410	0.045	1	2/18/2009	
Diethylphthalate	BQL	0.410	0.055	1	2/18/2009	
Dimethylphthalate	BQL	0.410	0.064	1	2/18/2009	
2,4-Dimethylphenol	BQL	0.410	0.074	1	2/18/2009	
Di-n-octylphthalate	BQL	0.410	0.063	1	2/18/2009	
4,6-Dinitro-2-methylphenol	BQL	2.05	0.049	1	2/18/2009	
2,4-Dinitrophenol	BQL	2.05	0.053	1	2/18/2009	
2,4-Dinitrotoluene	BQL	0.410	0.062	1	2/18/2009	
2,6-Dinitrotoluene	BQL	0.410	0.068	1	2/18/2009	
Fluoranthene	BQL	0.410	0.066	1	2/18/2009	
Fluorene	BQL	0.410	0.064	1	2/18/2009	
Hexachlorobenzene	BQL	0.410	0.089	1	2/18/2009	
Hexachlorobutadiene	BQL	0.410	0.075	1	2/18/2009	
Hexachlorocyclopentadiene	BQL	0.820	0.080	1	2/18/2009	
Hexachloroethane	BQL	0.410	0.064	1	2/18/2009	
Indeno(1,2,3-c,d)pyrene	BQL	0.410	0.048	1	2/18/2009	
Isophorone	BQL	0.410	0.060	1	2/18/2009	
2-Methylnaphthalene	BQL	0.410	0.067	1	2/18/2009	
2-Methylphenol	BQL	0.410	0.063	1	2/18/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT04 4-6'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-4l
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 31.58 g

Analyzed By: DCS
Date Collected: 2/11/2009 11:50
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 77.19

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	0.410	0.053	1	2/18/2009	
Naphthalene	BQL	0.410	0.057	1	2/18/2009	
2-Nitroaniline	BQL	0.410	0.055	1	2/18/2009	
3-Nitroaniline	BQL	2.05	0.060	1	2/18/2009	
4-Nitroaniline	BQL	2.05	0.055	1	2/18/2009	
Nitrobenzene	BQL	0.410	0.055	1	2/18/2009	
2-Nitrophenol	BQL	0.410	0.060	1	2/18/2009	
4-Nitrophenol	BQL	2.05	0.071	1	2/18/2009	
Diphenylamine *	BQL	0.410	0.066	1	2/18/2009	
Pentachlorophenol	BQL	2.05	0.038	1	2/18/2009	
Phenanthrene	BQL	0.410	0.057	1	2/18/2009	
Phenol	BQL	0.410	0.056	1	2/18/2009	
Pyrene	BQL	0.410	0.056	1	2/18/2009	
1,2,4-Trichlorobenzene	BQL	0.410	0.074	1	2/18/2009	
2,4,5-Trichlorophenol	BQL	0.410	0.061	1	2/18/2009	
2,4,6-Trichlorophenol	BQL	0.410	0.037	1	2/18/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.1	81		
2-Fluorophenol		10	7.9	79		
Nitrobenzene-d5		10	8.4	84		
Phenol-d6		10	8.8	88		
2,4,6-Tribromophenol		10	6.3	63		
4-Terphenyl-d14		4	3.3	83		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT04 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-5I
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 31.6 g

Analyzed By: DCS
Date Collected: 2/11/2009 12:00
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 94.95

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	0.333	0.051	1	2/18/2009	
Acenaphthylene	BQL	0.333	0.047	1	2/18/2009	
Anthracene	BQL	0.333	0.045	1	2/18/2009	
Benzo[a]anthracene	BQL	0.333	0.046	1	2/18/2009	
Benzo[a]pyrene	BQL	0.333	0.048	1	2/18/2009	
Benzo[b]fluoranthene	BQL	0.333	0.046	1	2/18/2009	
Benzo[g,h,i]perylene	BQL	0.333	0.058	1	2/18/2009	
Benzo[k]fluoranthene	BQL	0.333	0.047	1	2/18/2009	
Benzoic Acid	BQL	0.667	0.412	1	2/18/2009	
Bis(2-chloroethoxy)methane	BQL	0.333	0.049	1	2/18/2009	
Bis(2-chloroethyl)ether	BQL	0.333	0.068	1	2/18/2009	
Bis(2-chloroisopropyl)ether	BQL	0.333	0.054	1	2/18/2009	
Bis(2-ethylhexyl)phthalate	BQL	0.333	0.051	1	2/18/2009	
4-bromophenyl phenyl ether	BQL	0.333	0.059	1	2/18/2009	
Butylbenzylphthalate	BQL	0.333	0.049	1	2/18/2009	
2-Chloronaphthalene	BQL	0.333	0.046	1	2/18/2009	
2-Chlorophenol	BQL	0.333	0.042	1	2/18/2009	
4-Chloro-3-methylphenol	BQL	0.333	0.049	1	2/18/2009	
4-Chloroaniline	BQL	1.67	0.054	1	2/18/2009	
4-Chlorophenyl phenyl ether	BQL	0.333	0.049	1	2/18/2009	
Chrysene	BQL	0.333	0.032	1	2/18/2009	
Dibenzo[a,h]anthracene	BQL	0.333	0.043	1	2/18/2009	
Dibenzofuran	BQL	0.333	0.047	1	2/18/2009	
Di-n-Butylphthalate	BQL	0.333	0.049	1	2/18/2009	
1,2-Dichlorobenzene	BQL	0.333	0.056	1	2/18/2009	
1,3-Dichlorobenzene	BQL	0.333	0.054	1	2/18/2009	
1,4-Dichlorobenzene	BQL	0.333	0.048	1	2/18/2009	
3,3'-Dichlorobenzidine	BQL	0.667	0.055	1	2/18/2009	
2,4-Dichlorophenol	BQL	0.333	0.036	1	2/18/2009	
Diethylphthalate	BQL	0.333	0.045	1	2/18/2009	
Dimethylphthalate	BQL	0.333	0.052	1	2/18/2009	
2,4-Dimethylphenol	BQL	0.333	0.060	1	2/18/2009	
Di-n-octylphthalate	BQL	0.333	0.051	1	2/18/2009	
4,6-Dinitro-2-methylphenol	BQL	1.67	0.040	1	2/18/2009	
2,4-Dinitrophenol	BQL	1.67	0.043	1	2/18/2009	
2,4-Dinitrotoluene	BQL	0.333	0.051	1	2/18/2009	
2,6-Dinitrotoluene	BQL	0.333	0.055	1	2/18/2009	
Fluoranthene	BQL	0.333	0.054	1	2/18/2009	
Fluorene	BQL	0.333	0.052	1	2/18/2009	
Hexachlorobenzene	BQL	0.333	0.072	1	2/18/2009	
Hexachlorobutadiene	BQL	0.333	0.061	1	2/18/2009	
Hexachlorocyclopentadiene	BQL	0.667	0.065	1	2/18/2009	
Hexachloroethane	BQL	0.333	0.052	1	2/18/2009	
Indeno(1,2,3-c,d)pyrene	BQL	0.333	0.039	1	2/18/2009	
Isophorone	BQL	0.333	0.049	1	2/18/2009	
2-Methylnaphthalene	BQL	0.333	0.054	1	2/18/2009	
2-Methylphenol	BQL	0.333	0.051	1	2/18/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT04 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-5I
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 31.6 g

Analyzed By: DCS
Date Collected: 2/11/2009 12:00
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 94.95

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	0.333	0.043	1	2/18/2009	
Naphthalene	BQL	0.333	0.047	1	2/18/2009	
2-Nitroaniline	BQL	0.333	0.045	1	2/18/2009	
3-Nitroaniline	BQL	1.67	0.049	1	2/18/2009	
4-Nitroaniline	BQL	1.67	0.045	1	2/18/2009	
Nitrobenzene	BQL	0.333	0.044	1	2/18/2009	
2-Nitrophenol	BQL	0.333	0.049	1	2/18/2009	
4-Nitrophenol	BQL	1.67	0.058	1	2/18/2009	
Diphenylamine *	BQL	0.333	0.054	1	2/18/2009	
Pentachlorophenol	BQL	1.67	0.031	1	2/18/2009	
Phenanthrene	0.083	0.333	0.047	1	2/18/2009	J
Phenol	BQL	0.333	0.045	1	2/18/2009	
Pyrene	BQL	0.333	0.045	1	2/18/2009	
1,2,4-Trichlorobenzene	BQL	0.333	0.060	1	2/18/2009	
2,4,5-Trichlorophenol	BQL	0.333	0.050	1	2/18/2009	
2,4,6-Trichlorophenol	BQL	0.333	0.030	1	2/18/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.8	98		
2-Fluorophenol		10	8.3	83		
Nitrobenzene-d5		10	9.9	99		
Phenol-d6		10	9	90		
2,4,6-Tribromophenol		10	6.3	63		
4-Terphenyl-d14		4	3.8	94		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT05 4-6'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-6I
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 31 g

Analyzed By: DCS
Date Collected: 2/11/2009 11:20
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 76.95

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	0.419	0.064	1	2/18/2009	
Acenaphthylene	BQL	0.419	0.059	1	2/18/2009	
Anthracene	BQL	0.419	0.057	1	2/18/2009	
Benzo[a]anthracene	BQL	0.419	0.057	1	2/18/2009	
Benzo[a]pyrene	BQL	0.419	0.060	1	2/18/2009	
Benzo[b]fluoranthene	BQL	0.419	0.058	1	2/18/2009	
Benzo[g,h,i]perylene	BQL	0.419	0.073	1	2/18/2009	
Benzo[k]fluoranthene	BQL	0.419	0.060	1	2/18/2009	
Benzoic Acid	BQL	0.838	0.518	1	2/18/2009	
Bis(2-chloroethoxy)methane	BQL	0.419	0.062	1	2/18/2009	
Bis(2-chloroethyl)ether	BQL	0.419	0.085	1	2/18/2009	
Bis(2-chloroisopropyl)ether	BQL	0.419	0.068	1	2/18/2009	
Bis(2-ethylhexyl)phthalate	BQL	0.419	0.064	1	2/18/2009	
4-bromophenyl phenyl ether	BQL	0.419	0.074	1	2/18/2009	
Butylbenzylphthalate	BQL	0.419	0.062	1	2/18/2009	
2-Chloronaphthalene	BQL	0.419	0.058	1	2/18/2009	
2-Chlorophenol	BQL	0.419	0.053	1	2/18/2009	
4-Chloro-3-methylphenol	BQL	0.419	0.061	1	2/18/2009	
4-Chloroaniline	BQL	2.10	0.068	1	2/18/2009	
4-Chlorophenyl phenyl ether	BQL	0.419	0.062	1	2/18/2009	
Chrysene	BQL	0.419	0.040	1	2/18/2009	
Dibenzo[a,h]anthracene	BQL	0.419	0.054	1	2/18/2009	
Dibenzofuran	BQL	0.419	0.059	1	2/18/2009	
Di-n-Butylphthalate	BQL	0.419	0.061	1	2/18/2009	
1,2-Dichlorobenzene	BQL	0.419	0.071	1	2/18/2009	
1,3-Dichlorobenzene	BQL	0.419	0.068	1	2/18/2009	
1,4-Dichlorobenzene	BQL	0.419	0.061	1	2/18/2009	
3,3'-Dichlorobenzidine	BQL	0.838	0.069	1	2/18/2009	
2,4-Dichlorophenol	BQL	0.419	0.046	1	2/18/2009	
Diethylphthalate	BQL	0.419	0.056	1	2/18/2009	
Dimethylphthalate	BQL	0.419	0.065	1	2/18/2009	
2,4-Dimethylphenol	BQL	0.419	0.076	1	2/18/2009	
Di-n-octylphthalate	BQL	0.419	0.065	1	2/18/2009	
4,6-Dinitro-2-methylphenol	BQL	2.10	0.050	1	2/18/2009	
2,4-Dinitrophenol	BQL	2.10	0.055	1	2/18/2009	
2,4-Dinitrotoluene	BQL	0.419	0.064	1	2/18/2009	
2,6-Dinitrotoluene	BQL	0.419	0.069	1	2/18/2009	
Fluoranthene	BQL	0.419	0.068	1	2/18/2009	
Fluorene	BQL	0.419	0.065	1	2/18/2009	
Hexachlorobenzene	BQL	0.419	0.091	1	2/18/2009	
Hexachlorobutadiene	BQL	0.419	0.076	1	2/18/2009	
Hexachlorocyclopentadiene	BQL	0.838	0.082	1	2/18/2009	
Hexachloroethane	BQL	0.419	0.065	1	2/18/2009	
Indeno(1,2,3-c,d)pyrene	BQL	0.419	0.050	1	2/18/2009	
Isophorone	BQL	0.419	0.061	1	2/18/2009	
2-Methylnaphthalene	BQL	0.419	0.068	1	2/18/2009	
2-Methylphenol	BQL	0.419	0.064	1	2/18/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT05 4-6'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-6I
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 31 g

Analyzed By: DCS
Date Collected: 2/11/2009 11:20
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 76.95

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	0.419	0.055	1	2/18/2009	
Naphthalene	BQL	0.419	0.059	1	2/18/2009	
2-Nitroaniline	BQL	0.419	0.056	1	2/18/2009	
3-Nitroaniline	BQL	2.10	0.062	1	2/18/2009	
4-Nitroaniline	BQL	2.10	0.056	1	2/18/2009	
Nitrobenzene	BQL	0.419	0.056	1	2/18/2009	
2-Nitrophenol	BQL	0.419	0.061	1	2/18/2009	
4-Nitrophenol	BQL	2.10	0.073	1	2/18/2009	
Diphenylamine *	BQL	0.419	0.068	1	2/18/2009	
Pentachlorophenol	BQL	2.10	0.039	1	2/18/2009	
Phenanthrene	BQL	0.419	0.059	1	2/18/2009	
Phenol	BQL	0.419	0.057	1	2/18/2009	
Pyrene	BQL	0.419	0.057	1	2/18/2009	
1,2,4-Trichlorobenzene	BQL	0.419	0.076	1	2/18/2009	
2,4,5-Trichlorophenol	BQL	0.419	0.063	1	2/18/2009	
2,4,6-Trichlorophenol	BQL	0.419	0.037	1	2/18/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.2	92		
2-Fluorophenol		10	8.6	86		
Nitrobenzene-d5		10	9.4	94		
Phenol-d6		10	9.5	95		
2,4,6-Tribromophenol		10	7.4	74		
4-Terphenyl-d14		4	3.8	95		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT05 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-7H
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 32 g

Analyzed By: DCS
Date Collected: 2/11/2009 11:30
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 87.95

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	3.55	0.544	10	2/19/2009	
Acenaphthylene	BQL	3.55	0.497	10	2/19/2009	
Anthracene	BQL	3.55	0.483	10	2/19/2009	
Benzo[a]anthracene	BQL	3.55	0.487	10	2/19/2009	
Benzo[a]pyrene	BQL	3.55	0.512	10	2/19/2009	
Benzo[b]fluoranthene	BQL	3.55	0.494	10	2/19/2009	
Benzo[g,h,i]perylene	BQL	3.55	0.618	10	2/19/2009	
Benzo[k]fluoranthene	BQL	3.55	0.505	10	2/19/2009	
Benzoic Acid	BQL	7.11	4.39	10	2/19/2009	
Bis(2-chloroethoxy)methane	BQL	3.55	0.522	10	2/19/2009	
Bis(2-chloroethyl)ether	BQL	3.55	0.721	10	2/19/2009	
Bis(2-chloroisopropyl)ether	BQL	3.55	0.572	10	2/19/2009	
Bis(2-ethylhexyl)phthalate	BQL	3.55	0.544	10	2/19/2009	
4-bromophenyl phenyl ether	BQL	3.55	0.629	10	2/19/2009	
Butylbenzylphthalate	BQL	3.55	0.526	10	2/19/2009	
2-Chloronaphthalene	BQL	3.55	0.494	10	2/19/2009	
2-Chlorophenol	BQL	3.55	0.451	10	2/19/2009	
4-Chloro-3-methylphenol	BQL	3.55	0.519	10	2/19/2009	
4-Chloroaniline	BQL	17.8	0.579	10	2/19/2009	
4-Chlorophenyl phenyl ether	BQL	3.55	0.522	10	2/19/2009	
Chrysene	BQL	3.55	0.341	10	2/19/2009	
Dibenzo[a,h]anthracene	BQL	3.55	0.455	10	2/19/2009	
Dibenzofuran	BQL	3.55	0.501	10	2/19/2009	
Di-n-Butylphthalate	BQL	3.55	0.519	10	2/19/2009	
1,2-Dichlorobenzene	BQL	3.55	0.600	10	2/19/2009	
1,3-Dichlorobenzene	BQL	3.55	0.576	10	2/19/2009	
1,4-Dichlorobenzene	BQL	3.55	0.515	10	2/19/2009	
3,3'-Dichlorobenzidine	BQL	7.11	0.586	10	2/19/2009	
2,4-Dichlorophenol	BQL	3.55	0.387	10	2/19/2009	
Diethylphthalate	BQL	3.55	0.476	10	2/19/2009	
Dimethylphthalate	BQL	3.55	0.551	10	2/19/2009	
2,4-Dimethylphenol	BQL	3.55	0.643	10	2/19/2009	
Di-n-octylphthalate	BQL	3.55	0.547	10	2/19/2009	
4,6-Dinitro-2-methylphenol	BQL	17.8	0.423	10	2/19/2009	
2,4-Dinitrophenol	BQL	17.8	0.462	10	2/19/2009	
2,4-Dinitrotoluene	BQL	3.55	0.540	10	2/19/2009	
2,6-Dinitrotoluene	BQL	3.55	0.586	10	2/19/2009	
Fluoranthene	BQL	3.55	0.572	10	2/19/2009	
Fluorene	BQL	3.55	0.554	10	2/19/2009	
Hexachlorobenzene	BQL	3.55	0.771	10	2/19/2009	
Hexachlorobutadiene	BQL	3.55	0.647	10	2/19/2009	
Hexachlorocyclopentadiene	BQL	7.11	0.693	10	2/19/2009	
Hexachloroethane	BQL	3.55	0.554	10	2/19/2009	
Indeno(1,2,3-c,d)pyrene	BQL	3.55	0.419	10	2/19/2009	
Isophorone	BQL	3.55	0.519	10	2/19/2009	
2-Methylnaphthalene	16.2	3.55	0.579	10	2/19/2009	
2-Methylphenol	BQL	3.55	0.544	10	2/19/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT05 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-7H
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 32 g

Analyzed By: DCS
Date Collected: 2/11/2009 11:30
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 87.95


Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	3.55	0.462	10	2/19/2009	
Naphthalene	3.06	3.55	0.497	10	2/19/2009	J
2-Nitroaniline	BQL	3.55	0.476	10	2/19/2009	
3-Nitroaniline	BQL	17.8	0.522	10	2/19/2009	
4-Nitroaniline	BQL	17.8	0.476	10	2/19/2009	
Nitrobenzene	BQL	3.55	0.473	10	2/19/2009	
2-Nitrophenol	BQL	3.55	0.519	10	2/19/2009	
4-Nitrophenol	BQL	17.8	0.618	10	2/19/2009	
Diphenylamine *	BQL	3.55	0.572	10	2/19/2009	
Pentachlorophenol	BQL	17.8	0.327	10	2/19/2009	
Phenanthrene	4.02	3.55	0.497	10	2/19/2009	
Phenol	BQL	3.55	0.483	10	2/19/2009	
Pyrene	BQL	3.55	0.483	10	2/19/2009	
1,2,4-Trichlorobenzene	BQL	3.55	0.640	10	2/19/2009	
2,4,5-Trichlorophenol	BQL	3.55	0.529	10	2/19/2009	
2,4,6-Trichlorophenol	BQL	3.55	0.316	10	2/19/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		1	NA	NA		
2-Fluorophenol		1	NA	NA		
Nitrobenzene-d5		1	NA	NA		
Phenol-d6		1	NA	NA		
2,4,6-Tribromophenol		1	NA	NA		
4-Terphenyl-d14		0.4	NA	NA		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT06 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-8K
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 31.71 g

Analyzed By: DCS
Date Collected: 2/11/2009 14:00
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 91

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	0.347	0.053	1	2/18/2009	
Acenaphthylene	BQL	0.347	0.049	1	2/18/2009	
Anthracene	BQL	0.347	0.047	1	2/18/2009	
Benzo[a]anthracene	BQL	0.347	0.048	1	2/18/2009	
Benzo[a]pyrene	BQL	0.347	0.050	1	2/18/2009	
Benzo[b]fluoranthene	BQL	0.347	0.048	1	2/18/2009	
Benzo[g,h,i]perylene	BQL	0.347	0.060	1	2/18/2009	
Benzo[k]fluoranthene	BQL	0.347	0.049	1	2/18/2009	
Benzoic Acid	BQL	0.693	0.428	1	2/18/2009	
Bis(2-chloroethoxy)methane	BQL	0.347	0.051	1	2/18/2009	
Bis(2-chloroethyl)ether	BQL	0.347	0.070	1	2/18/2009	
Bis(2-chloroisopropyl)ether	BQL	0.347	0.056	1	2/18/2009	
Bis(2-ethylhexyl)phthalate	BQL	0.347	0.053	1	2/18/2009	
4-bromophenyl phenyl ether	BQL	0.347	0.061	1	2/18/2009	
Butylbenzylphthalate	BQL	0.347	0.051	1	2/18/2009	
2-Chloronaphthalene	BQL	0.347	0.048	1	2/18/2009	
2-Chlorophenol	BQL	0.347	0.044	1	2/18/2009	
4-Chloro-3-methylphenol	BQL	0.347	0.051	1	2/18/2009	
4-Chloroaniline	BQL	1.73	0.057	1	2/18/2009	
4-Chlorophenyl phenyl ether	BQL	0.347	0.051	1	2/18/2009	
Chrysene	BQL	0.347	0.033	1	2/18/2009	
Dibenzo[a,h]anthracene	BQL	0.347	0.044	1	2/18/2009	
Dibenzofuran	BQL	0.347	0.049	1	2/18/2009	
Di-n-Butylphthalate	BQL	0.347	0.051	1	2/18/2009	
1,2-Dichlorobenzene	BQL	0.347	0.059	1	2/18/2009	
1,3-Dichlorobenzene	BQL	0.347	0.056	1	2/18/2009	
1,4-Dichlorobenzene	BQL	0.347	0.050	1	2/18/2009	
3,3'-Dichlorobenzidine	BQL	0.693	0.057	1	2/18/2009	
2,4-Dichlorophenol	BQL	0.347	0.038	1	2/18/2009	
Diethylphthalate	BQL	0.347	0.046	1	2/18/2009	
Dimethylphthalate	BQL	0.347	0.054	1	2/18/2009	
2,4-Dimethylphenol	BQL	0.347	0.063	1	2/18/2009	
Di-n-octylphthalate	BQL	0.347	0.053	1	2/18/2009	
4,6-Dinitro-2-methylphenol	BQL	1.73	0.041	1	2/18/2009	
2,4-Dinitrophenol	BQL	1.73	0.045	1	2/18/2009	
2,4-Dinitrotoluene	BQL	0.347	0.053	1	2/18/2009	
2,6-Dinitrotoluene	BQL	0.347	0.057	1	2/18/2009	
Fluoranthene	BQL	0.347	0.056	1	2/18/2009	
Fluorene	BQL	0.347	0.054	1	2/18/2009	
Hexachlorobenzene	BQL	0.347	0.075	1	2/18/2009	
Hexachlorobutadiene	BQL	0.347	0.063	1	2/18/2009	
Hexachlorocyclopentadiene	BQL	0.693	0.068	1	2/18/2009	
Hexachloroethane	BQL	0.347	0.054	1	2/18/2009	
Indeno(1,2,3-c,d)pyrene	BQL	0.347	0.041	1	2/18/2009	
Isophorone	BQL	0.347	0.051	1	2/18/2009	
2-Methylnaphthalene	BQL	0.347	0.057	1	2/18/2009	
2-Methylphenol	BQL	0.347	0.053	1	2/18/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-DPT06 10-11'
Client Project ID: TT 2778
Lab Sample ID: G128-2316-8K
Lab Project ID: G128-2316
Report Basis: Dry weight
Initial Weight: 31.71 g

Analyzed By: DCS
Date Collected: 2/11/2009 14:00
Date Received: 2/12/2009
Date Extracted: 2/16/2009
Matrix: Soil
% Solids: 91


Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	0.347	0.045	1	2/18/2009	
Naphthalene	BQL	0.347	0.049	1	2/18/2009	
2-Nitroaniline	BQL	0.347	0.046	1	2/18/2009	
3-Nitroaniline	BQL	1.73	0.051	1	2/18/2009	
4-Nitroaniline	BQL	1.73	0.046	1	2/18/2009	
Nitrobenzene	BQL	0.347	0.046	1	2/18/2009	
2-Nitrophenol	BQL	0.347	0.051	1	2/18/2009	
4-Nitrophenol	BQL	1.73	0.060	1	2/18/2009	
Diphenylamine *	BQL	0.347	0.056	1	2/18/2009	
Pentachlorophenol	BQL	1.73	0.032	1	2/18/2009	
Phenanthrene	BQL	0.347	0.049	1	2/18/2009	
Phenol	BQL	0.347	0.047	1	2/18/2009	
Pyrene	BQL	0.347	0.047	1	2/18/2009	
1,2,4-Trichlorobenzene	BQL	0.347	0.062	1	2/18/2009	
2,4,5-Trichlorophenol	BQL	0.347	0.052	1	2/18/2009	
2,4,6-Trichlorophenol	BQL	0.347	0.031	1	2/18/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	9.7	97		
2-Fluorophenol		10	8.2	82		
Nitrobenzene-d5		10	9.4	94		
Phenol-d6		10	9.3	93		
2,4,6-Tribromophenol		10	7.6	76		
4-Terphenyl-d14		4	4.2	105		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT01 10-11'
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/16/09
Date Analyzed	02/16/09 22:06 - 02/16/09 22:06
Dry Weight	92.1
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	BQL	10.0		
C ₉ -C ₁₀ Aromatics**	BQL	10.0		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	92.8		70	130
Surrogate % Recovery - FID	95.6		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2316-1e	Lab Info: g128-2316-1e
FID Info: VP021609/032F0101.D	PID Info: VP021609/032R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT02 10-11'
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/16/09
Date Analyzed	02/16/09 22:33 - 02/16/09 22:33
Dry Weight	90.4
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	BQL	10.0		
C ₉ -C ₁₀ Aromatics**	BQL	10.0		
	Percent Recovery	Flags	Limits Lower	Upper
Surrogate % Recovery - PID	92.8		70	130
Surrogate % Recovery - FID	95.7		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2316-2e	Lab Info: g128-2316-2e
FID Info: VP021609/033F0101.D	PID Info: VP021609/033R0101.D

Reviewed By: TM

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT03 10-11'
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/16/09
Date Analyzed	02/16/09 22:59 - 02/16/09 22:59
Dry Weight	94.0
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	BQL	10.0		
C ₉ -C ₁₀ Aromatics**	BQL	10.0		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	91.4		70	130
Surrogate % Recovery - FID	94.8		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2316-3e	Lab Info: g128-2316-3e
FID Info: VP021609/034F0101.D	PID Info: VP021609/034R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT04 4-6'
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/16/09
Date Analyzed	02/16/09 23:25 - 02/16/09 23:25
Dry Weight	77.2
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	BQL	10.0		
C ₉ -C ₁₀ Aromatics**	BQL	10.0		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	91.6		70	130
Surrogate % Recovery - FID	95.1		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2316-4e	Lab Info: g128-2316-4e
FID Info: VP021609/035F0101.D	PID Info: VP021609/035R0101.D

Reviewed By: TM

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT04 10-11'
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/16/09
Date Analyzed	02/16/09 23:52 - 02/16/09 23:52
Dry Weight	95.0
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	BQL	10.0		
C ₉ -C ₁₀ Aromatics**	BQL	10.0		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	95.8		70	130
Surrogate % Recovery - FID	99.0		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2316-5e	Lab Info: g128-2316-5e
FID Info: VP021609/036F0101.D	PID Info: VP021609/036R0101.D

Reviewed By: *Tr*

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT05 4-6'
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/16/09
Date Analyzed	02/17/09 00:18 - 02/17/09 00:18
Dry Weight	77.0
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	BQL	10.0		
C ₉ -C ₁₀ Aromatics**	BQL	10.0		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	96.6		70	130
Surrogate % Recovery - FID	99.3		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2316-6e	Lab Info: g128-2316-6e
FID Info: VP021609/037F0101.D	PID Info: VP021609/037R0101.D

Reviewed By: Tm

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT05 10-11'
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/16/09
Date Analyzed	02/17/09 00:45 - 02/17/09 00:45
Dry Weight	88.0
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	46.9	10.0		
C ₉ -C ₁₀ Aromatics**	109	10.0		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	109		70	130
Surrogate % Recovery - FID	120		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2316-7e	Lab Info: g128-2316-7e
FID Info: VP021609/038F0101.D	PID Info: VP021609/038R0101.D

Reviewed By: JM

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT06 10-11'
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/16/09
Date Analyzed	02/17/09 21:32 - 02/17/09 21:32
Dry Weight	91.0
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	BQL	10.0		
C ₉ -C ₁₀ Aromatics**	BQL	10.0		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	101		70	130
Surrogate % Recovery - FID	103		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2316-8e	Lab Info: g128-2316-8e
FID Info: VP021709/031F0101.D	PID Info: VP021709/031R0101.D

Reviewed By: 

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 02/13/09 PID Initial Calibration Date: 02/13/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	3.35	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	1.00	Linear Regression
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	11.92	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date: 02/16/09 Filename: VP021609/002F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	-8.5	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-12.1	±25%
C ₉ -C ₁₀ Aromatics	200	16	-9.6	±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 02/13/09 PID Initial Calibration Date: 02/13/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	3.35	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	1.00	Linear Regression
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	11.92	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date: 02/16/09 Filename: VP021609/040F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	-17.2	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-14.8	±25%
C ₉ -C ₁₀ Aromatics	200	16	-4.4	±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 02/13/09 PID Initial Calibration Date: 02/13/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	3.35	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	1.00	Linear Regression
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	11.92	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date: 02/17/09 Filename: VP021709/002F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	-1.6	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-9.9	±25%
C ₉ -C ₁₀ Aromatics	200	16	-7.3	±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 02/13/09 PID Initial Calibration Date: 02/13/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	3.35	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	1.00	Linear Regression
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	11.92	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date: 02/17/09 Filename: VP021709/039F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C ₅ -C ₈ Aliphatics	200	16	-18.8	±25%
C ₉ -C ₁₂ Aliphatics	200	16	-14.8	±25%
C ₉ -C ₁₀ Aromatics	200	16	-6.9	±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT01 10-11'
Sample Matrix	SOIL
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/13/09
Date Analyzed	02/16/09 11:06 - 02/16/09 11:06
Dry Weight	92.1
Dilution Factor	1 - 1
Initial weight (g)	13.32
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result mg/Kg	Report Limit mg/Kg	Flags
C9-C18 Aliphatics	BQL	10.0	
C19-C36 Aliphatics	BQL	10.0	
C11-C22 Aromatics	BQL	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	94.8		40	140
Aromatic (ortho-terphenyl)	89.5		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2316-1H	Lab Info: G128-2316-1H
Aliphatic: EP021609/004F0201.D	Aromatic: EP021609/004F0201.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778


Sample Information	
Sample Identification	TT2778-DPT02 10-11'
Sample Matrix	SOIL
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/13/09
Date Analyzed	02/16/09 11:35 - 02/16/09 11:35
Dry Weight	90.4
Dilution Factor	1 - 1
Initial weight (g)	12.58
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result mg/Kg	Report Limit mg/Kg	Flags
C9-C18 Aliphatics	BQL	10.0	
C19-C36 Aliphatics	BQL	10.0	
C11-C22 Aromatics	BQL	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	111		40	140
Aromatic (ortho-terphenyl)	107		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2316-2H	Lab Info: G128-2316-2H
Aliphatic: EP021609/005F0301.D	Aromatic: EP021609/005F0301.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates
 Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT03 10-11'
Sample Matrix	SOIL
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/13/09
Date Analyzed	02/16/09 12:03 - 02/16/09 12:03
Dry Weight	94.0
Dilution Factor	1 - 1
Initial weight (g)	12.81
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result mg/Kg	Report Limit mg/Kg	Flags
C9-C18 Aliphatics	BQL	10.0	
C19-C36 Aliphatics	BQL	10.0	
C11-C22 Aromatics	BQL	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	111		40	140
Aromatic (ortho-terphenyl)	107		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2316-3H	Lab Info: G128-2316-3H
Aliphatic: EP021609/006F0401.D	Aromatic: EP021609/006F0401.D

Reviewed By: *TM*

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

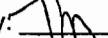
Sample Information	
Sample Identification	TT2778-DPT04 4-6'
Sample Matrix	SOIL
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/13/09
Date Analyzed	02/16/09 12:31 - 02/16/09 12:31
Dry Weight	77.2
Dilution Factor	1 - 1
Initial weight (g)	12.12
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result mg/Kg	Report Limit mg/Kg	Flags
C9-C18 Aliphatics	BQL	10.0	
C19-C36 Aliphatics	BQL	10.0	
C11-C22 Aromatics	BQL	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	97.9		40	140
Aromatic (ortho-terphenyl)	91.0		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2316-4H	Lab Info: G128-2316-4H
Aliphatic: EP021609/007F0501.D	Aromatic: EP021609/007F0501.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT04 10-11'
Sample Matrix	SOIL
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/13/09
Date Analyzed	02/16/09 18:12 - 02/16/09 18:40
Dry Weight	95.0
Dilution Factor	1 - 1
Initial weight (g)	13.29
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result mg/Kg	Report Limit mg/Kg	Flags
C9-C18 Aliphatics	46.7	10.0	
C19-C36 Aliphatics	BQL	10.0	
C11-C22 Aromatics	BQL	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	103		40	140
Aromatic (ortho-terphenyl)	53.4		40	140
Fractionation 1 (2-bromonaphthalene)	50.1		40	140
Fractionation 2 (2-fluorobiphenyl)	49.4		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2316-5H	Lab Info: G128-2316-5H
Aliphatic: EP021609/019F1701.D	Aromatic: EP021609/020F1801.D

Reviewed By: TM

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT05 4-6'
Sample Matrix	SOIL
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/13/09
Date Analyzed	02/16/09 12:59 - 02/16/09 12:59
Dry Weight	77.0
Dilution Factor	1 - 1
Initial weight (g)	12.01
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result mg/Kg	Report Limit mg/Kg	Flags
C9-C18 Aliphatics	BQL	10.0	
C19-C36 Aliphatics	BQL	10.0	
C11-C22 Aromatics	BQL	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	111		40	140
Aromatic (ortho-terphenyl)	104		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2316-6H	Lab Info: G128-2316-6H
Aliphatic: EP021609/008F0601.D	Aromatic: EP021609/008F0601.D

Reviewed By: TM

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates
 Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT05 10-11'
Sample Matrix	SOIL
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/13/09
Date Analyzed	02/16/09 19:08 - 02/17/09 10:04
Dry Weight	88.0
Dilution Factor	10 - 1
Initial weight (g)	13.37
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result mg/Kg	Report Limit mg/Kg	Flags
C9-C18 Aliphatics	1380	10.0	
C19-C36 Aliphatics	198	10.0	
C11-C22 Aromatics	651	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	128		40	140
Aromatic (ortho-terphenyl)	106		40	140
Fractionation 1 (2-bromonaphthalene)	107		40	140
Fractionation 2 (2-fluorobiphenyl)	92.1		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2316-7G	Lab Info: G128-2316-7G
Aliphatic: EP021609/021F1901.D	Aromatic: EP021709/003F0101.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT 2778

Sample Information	
Sample Identification	TT2778-DPT06 10-11'
Sample Matrix	SOIL
Date Collected	02/11/09
Date Received	02/12/09
Date Extracted	02/13/09
Date Analyzed	02/16/09 14:24 - 02/16/09 14:52
Dry Weight	91.0
Dilution Factor	1 - 1
Initial weight (g)	12.86
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result mg/Kg	Report Limit mg/Kg	Flags
C9-C18 Aliphatics	BQL	10.0	
C19-C36 Aliphatics	BQL	10.0	
C11-C22 Aromatics	BQL	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	102		40	140
Aromatic (ortho-terphenyl)	99.6		40	140
Fractionation 1 (2-bromonaphthalene)	104		40	140
Fractionation 2 (2-fluorobiphenyl)	102		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2316-8H	Lab Info: G128-2316-8H
Aliphatic: EP021609/011F0901.D	Aromatic: EP021609/012F1001.D

Reviewed By: TM

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 10/22/08

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(02/15/08) (µg/L)	(02/11/08) (mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C9-C18 Aliphatics	1.66	0.274	5.28	0.871	100	10
C19-C36 Aliphatics	2.79	0.201	8.87	0.639	100	10
C11-C22 Aromatics	2.64	0.110	8.40	0.350	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	200	33.3	17.73	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₉ -C ₃₆ Aliphatics	200	33.3	10.65	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₁ -C ₂₂ Aromatics	200	33.3	10.39	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		

Calibration Check Date: 02/16/09 Filenames: ep021609/003f0101.d
02/16/09 ep021609/002f0201.d

Calibration Check

Range	Levels		%Difference if CF %Drift if LR	Limits
	(µg/L)	(mg/Kg)		
C9-C18 Aliphatics	100	16.7	8.6	±25%
C19-C36 Aliphatics	100	16.7	5.1	±25%
C11-C22 Aromatics	100	16.7	9.5	±25%

MDL = Method Detection Limit
 ML = Minimum Limit
 RL = Reportable Limit

RPD = Relative Percent Difference
 %RSD = Percent Relative Standard Deviation
 CCC = Correlation Coefficient of Curve

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 10/22/08

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(02/15/08) (µg/L)	(02/11/08) (mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C9-C18 Aliphatics	1.66	0.274	5.28	0.871	100	10
C19-C36 Aliphatics	2.79	0.201	8.87	0.639	100	10
C11-C22 Aromatics	2.64	0.110	8.40	0.350	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	200	33.3	17.73	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₉ -C ₃₆ Aliphatics	200	33.3	10.65	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₁ -C ₂₂ Aromatics	200	33.3	10.39	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		

Calibration Check Date: 02/17/09 Filenames: ep021709/001f0101.d
02/17/09 ep021709/002f0201.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100	16.7	7.2	≤±25%
C19-C36 Aliphatics	100	16.7	4.6	≤±25%
C11-C22 Aromatics	100	16.7	7.9	≤±25%

MDL = Method Detection Limit
 ML = Minimum Limit
 RL = Reportable Limit

RPD = Relative Percent Difference
 %RSD = Percent Relative Standard Deviation
 CCC = Correlation Coefficient of Curve

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 10/22/08

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(02/15/08) (µg/L)	(02/11/08) (mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C9-C18 Aliphatics	1.66	0.274	5.28	0.871	100	10
C19-C36 Aliphatics	2.79	0.201	8.87	0.639	100	10
C11-C22 Aromatics	2.64	0.110	8.40	0.350	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	200	33.3	17.73	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₉ -C ₃₆ Aliphatics	200	33.3	10.65	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₁ -C ₂₂ Aromatics	200	33.3	10.39	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		

Calibration Check Date: 02/17/09
02/17/09

Filenames: ep021709/008f0601.d
ep021709/007f0501.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR	Limits
C9-C18 Aliphatics	100	16.7	5.3	≤±25%
C19-C36 Aliphatics	100	16.7	8.0	≤±25%
C11-C22 Aromatics	100	16.7	-23.5	≤±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve



SGS Environmental Services Inc. CHAIN OF CUSTODY RECORD

- Locations Nationwide
- Alaska
 - Maryland
 - New Jersey
 - North Carolina
 - West Virginia
 - Ohio
- www.us.sgs.com

1 CLIENT: CATLIN GH4 & Sci
 CONTACT: SHANE CHASTREBY PHONE NO: 910-452-5861
 PROJECT: TT 2178 SITE/PWSID#: _____
 REPORTS TO: CATLIN ATTN: SHANE CHASTREBY EMAIL: _____
 INVOICE TO: CATLIN ATTN: SHEILA SMITH QUOTE #: DOD 101
SHEILA SMITH P.O. #: 290212-01

SGS Reference #: C128-2316 page 1 of 1

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	Analysis Required	REMARKS/LOC ID
	TT 2178-DPT01 10-11	2-11-09	1300	SOIL	7		EPA METHOD EPA 8260		PLS. REPORT
	TT 2178-DPT02 10-11		1330				MADRP VPH		LOW TRURS
	TT 2178-DPT03 10-11		1230				MADRP VPH		0 EDP
	TT 2178-DPT04 4-6		1150				EPA 8270		SUMMARY
	TT 2178-DPT04 10-11		1200				EPA 8270		FORMAT
	TT 2178-DPT05 4-6		1120						
	TT 2178-DPT05 10-11		1130						
	TT 2178-DPT06 10-11		1400						
	TT 2178-DPT07 10-11		1420		4				

4

Special Deliverable Requirements:

DOD Project? YES NO

Cooler ID _____

Requested Turnaround Time and/or Special Instructions:

Samples Received Cold? YES NO

Cooler TB

Temperature °C: 4.1

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

5

Collected/Relinquished By: (1) [Signature] Received By: [Signature]

Relinquished By: (2) _____ Received By: _____

Relinquished By: (3) _____ Received By: _____

Relinquished By: (4) _____ Received For Laboratory By: _____

CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS

SGS Environmental Services, Inc.

Shane Chasteen
Richard Catlin & Associates
P.O. Box 10279
Wilmington, NC 28404-0279

Report Number: G128-2340

Client Project: TT-2778

Dear Shane Chasteen,

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS Environmental Services at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.

 3/23/09
Project Manager Date
Ashley Nifong

SGS Environmental Services, Inc.

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

- 1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-EX-1
 Client Project ID: TT-2778
 Lab Sample ID G128-2340-1A
 Lab Project ID: G128-2340
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 03-19-2009 14:30
 Date Received: 3/20/2009
 Matrix: Soil
 Sample Amount: 3.88 g
 %Solids: 94.9

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	0.0679	0.00939	1	3/21/2009	
Benzene	BQL	0.00679	0.00145	1	3/21/2009	
Bromobenzene	BQL	0.00679	0.00140	1	3/21/2009	
Bromochloromethane	BQL	0.00679	0.00234	1	3/21/2009	
Bromodichloromethane	BQL	0.00679	0.00135	1	3/21/2009	
Bromoform	BQL	0.00679	0.00136	1	3/21/2009	
Bromomethane	BQL	0.00679	0.00143	1	3/21/2009	
2-Butanone	BQL	0.0340	0.00738	1	3/21/2009	
n-Butylbenzene	BQL	0.00679	0.00130	1	3/21/2009	
sec-Butylbenzene	BQL	0.00679	0.00137	1	3/21/2009	
tert-Butylbenzene	BQL	0.00679	0.00152	1	3/21/2009	
Carbon disulfide	BQL	0.00679	0.00364	1	3/21/2009	
Carbon tetrachloride	BQL	0.00679	0.00139	1	3/21/2009	
Chlorobenzene	BQL	0.00679	0.00162	1	3/21/2009	
Chloroethane	BQL	0.00679	0.00216	1	3/21/2009	
Chloroform	BQL	0.00679	0.00163	1	3/21/2009	
Chloromethane	BQL	0.00679	0.00153	1	3/21/2009	
2-Chlorotoluene	BQL	0.00679	0.00137	1	3/21/2009	
4-Chlorotoluene	BQL	0.00679	0.00170	1	3/21/2009	
Dibromochloromethane	BQL	0.00679	0.00187	1	3/21/2009	
1,2-Dibromo-3-chloropropane	BQL	0.0340	0.00197	1	3/21/2009	
Dibromomethane	BQL	0.00679	0.00205	1	3/21/2009	
1,2-Dibromoethane (EDB)	BQL	0.00679	0.00153	1	3/21/2009	
1,2-Dichlorobenzene	BQL	0.00679	0.00175	1	3/21/2009	
1,3-Dichlorobenzene	BQL	0.00679	0.00174	1	3/21/2009	
1,4-Dichlorobenzene	BQL	0.00679	0.00143	1	3/21/2009	
trans-1,4-Dichloro-2-butene	BQL	0.0340	0.00187	1	3/21/2009	
1,1-Dichloroethane	BQL	0.00679	0.00144	1	3/21/2009	
1,1-Dichloroethene	BQL	0.00679	0.00201	1	3/21/2009	
1,2-Dichloroethane	BQL	0.00679	0.00179	1	3/21/2009	
cis-1,2-Dichloroethene	BQL	0.00679	0.00174	1	3/21/2009	
trans-1,2-dichloroethene	BQL	0.00679	0.00153	1	3/21/2009	
1,2-Dichloropropane	BQL	0.00679	0.00160	1	3/21/2009	
1,3-Dichloropropane	BQL	0.00679	0.00152	1	3/21/2009	
2,2-Dichloropropane	BQL	0.00679	0.00163	1	3/21/2009	
1,1-Dichloropropene	BQL	0.00679	0.00213	1	3/21/2009	
cis-1,3-Dichloropropene	BQL	0.00679	0.00113	1	3/21/2009	
trans-1,3-Dichloropropene	BQL	0.00679	0.00131	1	3/21/2009	
Dichlorodifluoromethane	BQL	0.00679	0.00179	1	3/21/2009	
Diisopropyl ether (DIPE)	BQL	0.00679	0.00153	1	3/21/2009	
Ethylbenzene	BQL	0.00679	0.00118	1	3/21/2009	
Hexachlorobutadiene	BQL	0.00679	0.00132	1	3/21/2009	
2-Hexanone	BQL	0.0170	0.00440	1	3/21/2009	
Iodomethane	BQL	0.00679	0.00147	1	3/21/2009	

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-EX-2
 Client Project ID: TT-2778
 Lab Sample ID G128-2340-2A
 Lab Project ID: G128-2340
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 03-19-2009 14:10
 Date Received: 3/20/2009
 Matrix: Soil
 Sample Amount: 4.94 g
 %Solids: 95.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	0.0291	0.0530	0.00732	1	3/21/2009	J
Benzene	BQL	0.00530	0.00113	1	3/21/2009	
Bromobenzene	BQL	0.00530	0.00109	1	3/21/2009	
Bromochloromethane	BQL	0.00530	0.00182	1	3/21/2009	
Bromodichloromethane	BQL	0.00530	0.00105	1	3/21/2009	
Bromoform	BQL	0.00530	0.00106	1	3/21/2009	
Bromomethane	BQL	0.00530	0.00111	1	3/21/2009	
2-Butanone	BQL	0.0265	0.00575	1	3/21/2009	
n-Butylbenzene	0.00113	0.00530	0.00101	1	3/21/2009	J
sec-Butylbenzene	BQL	0.00530	0.00107	1	3/21/2009	
tert-Butylbenzene	BQL	0.00530	0.00119	1	3/21/2009	
Carbon disulfide	BQL	0.00530	0.00284	1	3/21/2009	
Carbon tetrachloride	BQL	0.00530	0.00108	1	3/21/2009	
Chlorobenzene	BQL	0.00530	0.00126	1	3/21/2009	
Chloroethane	BQL	0.00530	0.00168	1	3/21/2009	
Chloroform	BQL	0.00530	0.00127	1	3/21/2009	
Chloromethane	BQL	0.00530	0.00120	1	3/21/2009	
2-Chlorotoluene	BQL	0.00530	0.00107	1	3/21/2009	
4-Chlorotoluene	BQL	0.00530	0.00132	1	3/21/2009	
Dibromochloromethane	BQL	0.00530	0.00146	1	3/21/2009	
1,2-Dibromo-3-chloropropane	BQL	0.0265	0.00154	1	3/21/2009	
Dibromomethane	BQL	0.00530	0.00160	1	3/21/2009	
1,2-Dibromoethane (EDB)	BQL	0.00530	0.00120	1	3/21/2009	
1,2-Dichlorobenzene	BQL	0.00530	0.00137	1	3/21/2009	
1,3-Dichlorobenzene	BQL	0.00530	0.00136	1	3/21/2009	
1,4-Dichlorobenzene	BQL	0.00530	0.00111	1	3/21/2009	
trans-1,4-Dichloro-2-butene	BQL	0.0265	0.00146	1	3/21/2009	
1,1-Dichloroethane	BQL	0.00530	0.00112	1	3/21/2009	
1,1-Dichloroethene	BQL	0.00530	0.00157	1	3/21/2009	
1,2-Dichloroethane	BQL	0.00530	0.00140	1	3/21/2009	
cis-1,2-Dichloroethene	BQL	0.00530	0.00136	1	3/21/2009	
trans-1,2-dichloroethene	BQL	0.00530	0.00120	1	3/21/2009	
1,2-Dichloropropane	BQL	0.00530	0.00125	1	3/21/2009	
1,3-Dichloropropane	BQL	0.00530	0.00119	1	3/21/2009	
2,2-Dichloropropane	BQL	0.00530	0.00127	1	3/21/2009	
1,1-Dichloropropene	BQL	0.00530	0.00166	1	3/21/2009	
cis-1,3-Dichloropropene	BQL	0.00530	0.00088	1	3/21/2009	
trans-1,3-Dichloropropene	BQL	0.00530	0.00102	1	3/21/2009	
Dichlorodifluoromethane	BQL	0.00530	0.00140	1	3/21/2009	
Diisopropyl ether (DIPE)	BQL	0.00530	0.00120	1	3/21/2009	
Ethylbenzene	BQL	0.00530	0.00092	1	3/21/2009	
Hexachlorobutadiene	BQL	0.00530	0.00103	1	3/21/2009	
2-Hexanone	BQL	0.0132	0.00343	1	3/21/2009	
Iodomethane	BQL	0.00530	0.00114	1	3/21/2009	

SGS Environmental Services, Inc.

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: TT2778-EX-2
Client Project ID: TT-2778
Lab Sample ID G128-2340-2A
Lab Project ID: G128-2340
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 03-19-2009 14:10
Date Received: 3/20/2009
Matrix: Soil
Sample Amount: 4.94 g
%Solids: 95.4

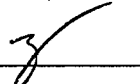
Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	0.00530	0.00094	1	3/21/2009	
4-Isopropyltoluene	0.00272	0.00530	0.00113	1	3/21/2009	J
Methylene chloride	BQL	0.0212	0.00126	1	3/21/2009	
4-Methyl-2-pentanone	BQL	0.0132	0.00490	1	3/21/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.00530	0.00118	1	3/21/2009	
Naphthalene	0.113	0.00530	0.00090	1	3/21/2009	
n-Propyl benzene	BQL	0.00530	0.00133	1	3/21/2009	
Styrene	BQL	0.00530	0.00117	1	3/21/2009	
1,1,1,2-Tetrachloroethane	BQL	0.00530	0.00108	1	3/21/2009	
1,1,2,2-Tetrachloroethane	BQL	0.00530	0.00120	1	3/21/2009	
Tetrachloroethene	BQL	0.00530	0.00097	1	3/21/2009	
Toluene	BQL	0.00530	0.00106	1	3/21/2009	
1,2,3-Trichlorobenzene	BQL	0.00530	0.00110	1	3/21/2009	
1,2,4-Trichlorobenzene	BQL	0.00530	0.00109	1	3/21/2009	
Trichloroethene	BQL	0.00530	0.00101	1	3/21/2009	
1,1,1-Trichloroethane	BQL	0.00530	0.00120	1	3/21/2009	
1,1,2-Trichloroethane	BQL	0.00530	0.00174	1	3/21/2009	
Trichlorofluoromethane	BQL	0.00530	0.00109	1	3/21/2009	
1,2,3-Trichloropropane	BQL	0.00530	0.00131	1	3/21/2009	
1,2,4-Trimethylbenzene	0.0316	0.00530	0.00133	1	3/21/2009	
1,3,5-Trimethylbenzene	0.0235	0.00530	0.00121	1	3/21/2009	
Vinyl chloride	BQL	0.00530	0.00144	1	3/21/2009	
m-,p-Xylene	BQL	0.0106	0.00203	1	3/21/2009	
o-Xylene	BQL	0.00530	0.00103	1	3/21/2009	

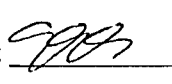
	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0676	135
Toluene-d8	0.05	0.0506	101
4-Bromofluorobenzene	0.05	0.0462	92

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst: 

Reviewed By: 

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-EX-3
 Client Project ID: TT-2778
 Lab Sample ID G128-2340-3A
 Lab Project ID: G128-2340
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 03-18-2009 14:00
 Date Received: 3/20/2009
 Matrix: Soil
 Sample Amount: 5.38 g
 %Solids: 95.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	0.0487	0.00673	1	3/21/2009	
Benzene	BQL	0.00487	0.00104	1	3/21/2009	
Bromobenzene	BQL	0.00487	0.00100	1	3/21/2009	
Bromochloromethane	BQL	0.00487	0.00167	1	3/21/2009	
Bromodichloromethane	BQL	0.00487	0.00097	1	3/21/2009	
Bromoform	BQL	0.00487	0.00097	1	3/21/2009	
Bromomethane	BQL	0.00487	0.00102	1	3/21/2009	
2-Butanone	BQL	0.0243	0.00529	1	3/21/2009	
n-Butylbenzene	BQL	0.00487	0.00093	1	3/21/2009	
sec-Butylbenzene	BQL	0.00487	0.00098	1	3/21/2009	
tert-Butylbenzene	BQL	0.00487	0.00109	1	3/21/2009	
Carbon disulfide	BQL	0.00487	0.00261	1	3/21/2009	
Carbon tetrachloride	BQL	0.00487	0.00099	1	3/21/2009	
Chlorobenzene	BQL	0.00487	0.00116	1	3/21/2009	
Chloroethane	BQL	0.00487	0.00155	1	3/21/2009	
Chloroform	BQL	0.00487	0.00117	1	3/21/2009	
Chloromethane	BQL	0.00487	0.00110	1	3/21/2009	
2-Chlorotoluene	BQL	0.00487	0.00098	1	3/21/2009	
4-Chlorotoluene	BQL	0.00487	0.00122	1	3/21/2009	
Dibromochloromethane	BQL	0.00487	0.00134	1	3/21/2009	
1,2-Dibromo-3-chloropropane	BQL	0.0243	0.00141	1	3/21/2009	
Dibromomethane	BQL	0.00487	0.00147	1	3/21/2009	
1,2-Dibromoethane (EDB)	BQL	0.00487	0.00110	1	3/21/2009	
1,2-Dichlorobenzene	BQL	0.00487	0.00126	1	3/21/2009	
1,3-Dichlorobenzene	BQL	0.00487	0.00125	1	3/21/2009	
1,4-Dichlorobenzene	BQL	0.00487	0.00102	1	3/21/2009	
trans-1,4-Dichloro-2-butene	BQL	0.0243	0.00134	1	3/21/2009	
1,1-Dichloroethane	BQL	0.00487	0.00103	1	3/21/2009	
1,1-Dichloroethene	BQL	0.00487	0.00144	1	3/21/2009	
1,2-Dichloroethane	BQL	0.00487	0.00129	1	3/21/2009	
cis-1,2-Dichloroethene	BQL	0.00487	0.00125	1	3/21/2009	
trans-1,2-dichloroethene	BQL	0.00487	0.00110	1	3/21/2009	
1,2-Dichloropropane	BQL	0.00487	0.00115	1	3/21/2009	
1,3-Dichloropropane	BQL	0.00487	0.00109	1	3/21/2009	
2,2-Dichloropropane	BQL	0.00487	0.00117	1	3/21/2009	
1,1-Dichloropropene	BQL	0.00487	0.00153	1	3/21/2009	
cis-1,3-Dichloropropene	BQL	0.00487	0.00081	1	3/21/2009	
trans-1,3-Dichloropropene	BQL	0.00487	0.00094	1	3/21/2009	
Dichlorodifluoromethane	BQL	0.00487	0.00129	1	3/21/2009	
Diisopropyl ether (DIPE)	BQL	0.00487	0.00110	1	3/21/2009	
Ethylbenzene	BQL	0.00487	0.00084	1	3/21/2009	
Hexachlorobutadiene	BQL	0.00487	0.00095	1	3/21/2009	
2-Hexanone	BQL	0.0122	0.00316	1	3/21/2009	
Iodomethane	BQL	0.00487	0.00105	1	3/21/2009	

SGS Environmental Services, Inc.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: TT2778-EX-3
 Client Project ID: TT-2778
 Lab Sample ID G128-2340-3A
 Lab Project ID: G128-2340
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 03-18-2009 14:00
 Date Received: 3/20/2009
 Matrix: Soil
 Sample Amount: 5.38 g
 %Solids: 95.3

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	MDL MG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	0.00487	0.00087	1	3/21/2009	
4-Isopropyltoluene	BQL	0.00487	0.00104	1	3/21/2009	
Methylene chloride	BQL	0.0195	0.00116	1	3/21/2009	
4-Methyl-2-pentanone	BQL	0.0122	0.00451	1	3/21/2009	
Methyl-tert-butyl ether (MTBE)	BQL	0.00487	0.00108	1	3/21/2009	
Naphthalene	BQL	0.00487	0.00083	1	3/21/2009	
n-Propyl benzene	BQL	0.00487	0.00123	1	3/21/2009	
Styrene	BQL	0.00487	0.00107	1	3/21/2009	
1,1,1,2-Tetrachloroethane	BQL	0.00487	0.00099	1	3/21/2009	
1,1,2,2-Tetrachloroethane	BQL	0.00487	0.00110	1	3/21/2009	
Tetrachloroethene	BQL	0.00487	0.00089	1	3/21/2009	
Toluene	BQL	0.00487	0.00097	1	3/21/2009	
1,2,3-Trichlorobenzene	BQL	0.00487	0.00101	1	3/21/2009	
1,2,4-Trichlorobenzene	BQL	0.00487	0.00100	1	3/21/2009	
Trichloroethene	BQL	0.00487	0.00093	1	3/21/2009	
1,1,1-Trichloroethane	BQL	0.00487	0.00110	1	3/21/2009	
1,1,2-Trichloroethane	BQL	0.00487	0.00160	1	3/21/2009	
Trichlorofluoromethane	BQL	0.00487	0.00100	1	3/21/2009	
1,2,3-Trichloropropane	BQL	0.00487	0.00121	1	3/21/2009	
1,2,4-Trimethylbenzene	BQL	0.00487	0.00123	1	3/21/2009	
1,3,5-Trimethylbenzene	BQL	0.00487	0.00111	1	3/21/2009	
Vinyl chloride	BQL	0.00487	0.00132	1	3/21/2009	
m-,p-Xylene	BQL	0.00974	0.00187	1	3/21/2009	
o-Xylene	BQL	0.00487	0.00094	1	3/21/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0615	123
Toluene-d8	0.05	0.0505	101
4-Bromofluorobenzene	0.05	0.0482	96

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst: MJC

Reviewed By: [Signature]

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-EX-1
Client Project ID: TT-2778
Lab Sample ID: G128-2340-1G
Lab Project ID: G128-2340
Report Basis: Dry weight
Initial Weight: 32 g

Analyzed By: DCS
Date Collected: 3/19/2009 14:30
Date Received: 3/20/2009
Date Extracted: 3/20/2009
Matrix: Soil
% Solids: 94.87

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	0.329	0.050	1	3/23/2009	
Acenaphthylene	BQL	0.329	0.046	1	3/23/2009	
Anthracene	BQL	0.329	0.045	1	3/23/2009	
Benzo[a]anthracene	BQL	0.329	0.045	1	3/23/2009	
Benzo[a]pyrene	BQL	0.329	0.047	1	3/23/2009	
Benzo[b]fluoranthene	BQL	0.329	0.046	1	3/23/2009	
Benzo[g,h,i]perylene	BQL	0.329	0.057	1	3/23/2009	
Benzo[k]fluoranthene	BQL	0.329	0.047	1	3/23/2009	
Benzoic Acid	BQL	0.659	0.407	1	3/23/2009	
Bis(2-chloroethoxy)methane	BQL	0.329	0.048	1	3/23/2009	
Bis(2-chloroethyl)ether	BQL	0.329	0.067	1	3/23/2009	
Bis(2-chloroisopropyl)ether	BQL	0.329	0.053	1	3/23/2009	
Bis(2-ethylhexyl)phthalate	BQL	0.329	0.050	1	3/23/2009	
4-bromophenyl phenyl ether	BQL	0.329	0.058	1	3/23/2009	
Butylbenzylphthalate	BQL	0.329	0.049	1	3/23/2009	
2-Chloronaphthalene	BQL	0.329	0.046	1	3/23/2009	
2-Chlorophenol	BQL	0.329	0.042	1	3/23/2009	
4-Chloro-3-methylphenol	BQL	0.329	0.048	1	3/23/2009	
4-Chloroaniline	BQL	1.65	0.054	1	3/23/2009	
4-Chlorophenyl phenyl ether	BQL	0.329	0.048	1	3/23/2009	
Chrysene	BQL	0.329	0.032	1	3/23/2009	
Dibenzo[a,h]anthracene	BQL	0.329	0.042	1	3/23/2009	
Dibenzofuran	BQL	0.329	0.046	1	3/23/2009	
Di-n-Butylphthalate	BQL	0.329	0.048	1	3/23/2009	
1,2-Dichlorobenzene	BQL	0.329	0.056	1	3/23/2009	
1,3-Dichlorobenzene	BQL	0.329	0.053	1	3/23/2009	
1,4-Dichlorobenzene	BQL	0.329	0.048	1	3/23/2009	
3,3'-Dichlorobenzidine	BQL	0.659	0.054	1	3/23/2009	
2,4-Dichlorophenol	BQL	0.329	0.036	1	3/23/2009	
Diethylphthalate	BQL	0.329	0.044	1	3/23/2009	
Dimethylphthalate	BQL	0.329	0.051	1	3/23/2009	
2,4-Dimethylphenol	BQL	0.329	0.060	1	3/23/2009	
Di-n-octylphthalate	BQL	0.329	0.051	1	3/23/2009	
4,6-Dinitro-2-methylphenol	BQL	1.65	0.039	1	3/23/2009	
2,4-Dinitrophenol	BQL	1.65	0.043	1	3/23/2009	
2,4-Dinitrotoluene	BQL	0.329	0.050	1	3/23/2009	
2,6-Dinitrotoluene	BQL	0.329	0.054	1	3/23/2009	
Fluoranthene	BQL	0.329	0.053	1	3/23/2009	
Fluorene	BQL	0.329	0.051	1	3/23/2009	
Hexachlorobenzene	BQL	0.329	0.072	1	3/23/2009	
Hexachlorobutadiene	BQL	0.329	0.060	1	3/23/2009	
Hexachlorocyclopentadiene	BQL	0.659	0.064	1	3/23/2009	
Hexachloroethane	BQL	0.329	0.051	1	3/23/2009	
Indeno(1,2,3-c,d)pyrene	BQL	0.329	0.039	1	3/23/2009	
Isophorone	BQL	0.329	0.048	1	3/23/2009	
2-Methylnaphthalene	BQL	0.329	0.054	1	3/23/2009	
2-Methylphenol	BQL	0.329	0.050	1	3/23/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-EX-1
Client Project ID: TT-2778
Lab Sample ID: G128-2340-1G
Lab Project ID: G128-2340
Report Basis: Dry weight
Initial Weight: 32 g

Analyzed By: DCS
Date Collected: 3/19/2009 14:30
Date Received: 3/20/2009
Date Extracted: 3/20/2009
Matrix: Soil
% Solids: 94.87


Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	0.329	0.043	1	3/23/2009	
Naphthalene	BQL	0.329	0.046	1	3/23/2009	
2-Nitroaniline	BQL	0.329	0.044	1	3/23/2009	
3-Nitroaniline	BQL	1.65	0.048	1	3/23/2009	
4-Nitroaniline	BQL	1.65	0.044	1	3/23/2009	
Nitrobenzene	BQL	0.329	0.044	1	3/23/2009	
2-Nitrophenol	BQL	0.329	0.048	1	3/23/2009	
4-Nitrophenol	BQL	1.65	0.057	1	3/23/2009	
Diphenylamine *	BQL	0.329	0.053	1	3/23/2009	
Pentachlorophenol	BQL	1.65	0.030	1	3/23/2009	
Phenanthrene	BQL	0.329	0.046	1	3/23/2009	
Phenol	BQL	0.329	0.045	1	3/23/2009	
Pyrene	BQL	0.329	0.045	1	3/23/2009	
1,2,4-Trichlorobenzene	BQL	0.329	0.059	1	3/23/2009	
2,4,5-Trichlorophenol	BQL	0.329	0.049	1	3/23/2009	
2,4,6-Trichlorophenol	BQL	0.329	0.029	1	3/23/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.8	78		
2-Fluorophenol		10	7.7	77		
Nitrobenzene-d5		10	8.4	84		
Phenol-d6		10	8.2	82		
2,4,6-Tribromophenol		10	7.8	78		
4-Terphenyl-d14		10	7.2	73		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-EX-2
Client Project ID: TT-2778
Lab Sample ID: G128-2340-2G
Lab Project ID: G128-2340
Report Basis: Dry weight
Initial Weight: 32.47 g

Analyzed By: DCS
Date Collected: 3/19/2009 14:10
Date Received: 3/20/2009
Date Extracted: 3/20/2009
Matrix: Soil
% Solids: 95.36

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	0.245	0.323	0.049	1	3/23/2009	J
Acenaphthylene	0.116	0.323	0.045	1	3/23/2009	J
Anthracene	0.123	0.323	0.044	1	3/23/2009	J
Benzo[a]anthracene	BQL	0.323	0.044	1	3/23/2009	
Benzo[a]pyrene	BQL	0.323	0.047	1	3/23/2009	
Benzo[b]fluoranthene	BQL	0.323	0.045	1	3/23/2009	
Benzo[g,h,i]perylene	BQL	0.323	0.056	1	3/23/2009	
Benzo[k]fluoranthene	BQL	0.323	0.046	1	3/23/2009	
Benzoic Acid	BQL	0.646	0.399	1	3/23/2009	
Bis(2-chloroethoxy)methane	BQL	0.323	0.048	1	3/23/2009	
Bis(2-chloroethyl)ether	BQL	0.323	0.066	1	3/23/2009	
Bis(2-chloroisopropyl)ether	BQL	0.323	0.052	1	3/23/2009	
Bis(2-ethylhexyl)phthalate	BQL	0.323	0.049	1	3/23/2009	
4-bromophenyl phenyl ether	BQL	0.323	0.057	1	3/23/2009	
Butylbenzylphthalate	BQL	0.323	0.048	1	3/23/2009	
2-Chloronaphthalene	BQL	0.323	0.045	1	3/23/2009	
2-Chlorophenol	BQL	0.323	0.041	1	3/23/2009	
4-Chloro-3-methylphenol	BQL	0.323	0.047	1	3/23/2009	
4-Chloroaniline	BQL	1.61	0.053	1	3/23/2009	
4-Chlorophenyl phenyl ether	BQL	0.323	0.048	1	3/23/2009	
Chrysene	BQL	0.323	0.031	1	3/23/2009	
Dibenzo[a,h]anthracene	BQL	0.323	0.041	1	3/23/2009	
Dibenzofuran	0.220	0.323	0.046	1	3/23/2009	J
Di-n-Butylphthalate	BQL	0.323	0.047	1	3/23/2009	
1,2-Dichlorobenzene	BQL	0.323	0.055	1	3/23/2009	
1,3-Dichlorobenzene	BQL	0.323	0.052	1	3/23/2009	
1,4-Dichlorobenzene	BQL	0.323	0.047	1	3/23/2009	
3,3'-Dichlorobenzidine	BQL	0.646	0.053	1	3/23/2009	
2,4-Dichlorophenol	BQL	0.323	0.035	1	3/23/2009	
Diethylphthalate	BQL	0.323	0.043	1	3/23/2009	
Dimethylphthalate	BQL	0.323	0.050	1	3/23/2009	
2,4-Dimethylphenol	BQL	0.323	0.059	1	3/23/2009	
Di-n-octylphthalate	BQL	0.323	0.050	1	3/23/2009	
4,6-Dinitro-2-methylphenol	BQL	1.61	0.038	1	3/23/2009	
2,4-Dinitrophenol	BQL	1.61	0.042	1	3/23/2009	
2,4-Dinitrotoluene	BQL	0.323	0.049	1	3/23/2009	
2,6-Dinitrotoluene	BQL	0.323	0.053	1	3/23/2009	
Fluoranthene	0.055	0.323	0.052	1	3/23/2009	J
Fluorene	0.588	0.323	0.050	1	3/23/2009	
Hexachlorobenzene	BQL	0.323	0.070	1	3/23/2009	
Hexachlorobutadiene	BQL	0.323	0.059	1	3/23/2009	
Hexachlorocyclopentadiene	BQL	0.646	0.063	1	3/23/2009	
Hexachloroethane	BQL	0.323	0.050	1	3/23/2009	
Indeno(1,2,3-c,d)pyrene	BQL	0.323	0.038	1	3/23/2009	
Isophorone	BQL	0.323	0.047	1	3/23/2009	
2-Methylnaphthalene	0.601	0.323	0.053	1	3/23/2009	
2-Methylphenol	BQL	0.323	0.049	1	3/23/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-EX-2
Client Project ID: TT-2778
Lab Sample ID: G128-2340-2G
Lab Project ID: G128-2340
Report Basis: Dry weight
Initial Weight: 32.47 g

Analyzed By: DCS
Date Collected: 3/19/2009 14:10
Date Received: 3/20/2009
Date Extracted: 3/20/2009
Matrix: Soil
% Solids: 95.36


Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	0.323	0.042	1	3/23/2009	
Naphthalene	0.507	0.323	0.045	1	3/23/2009	
2-Nitroaniline	BQL	0.323	0.043	1	3/23/2009	
3-Nitroaniline	BQL	1.61	0.048	1	3/23/2009	
4-Nitroaniline	BQL	1.61	0.043	1	3/23/2009	
Nitrobenzene	BQL	0.323	0.043	1	3/23/2009	
2-Nitrophenol	BQL	0.323	0.047	1	3/23/2009	
4-Nitrophenol	BQL	1.61	0.056	1	3/23/2009	
Diphenylamine *	BQL	0.323	0.052	1	3/23/2009	
Pentachlorophenol	BQL	1.61	0.030	1	3/23/2009	
Phenanthrene	1.21	0.323	0.045	1	3/23/2009	
Phenol	BQL	0.323	0.044	1	3/23/2009	
Pyrene	0.129	0.323	0.044	1	3/23/2009	J
1,2,4-Trichlorobenzene	BQL	0.323	0.058	1	3/23/2009	
2,4,5-Trichlorophenol	BQL	0.323	0.048	1	3/23/2009	
2,4,6-Trichlorophenol	BQL	0.323	0.029	1	3/23/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	8.4	84		
2-Fluorophenol		10	7.8	78		
Nitrobenzene-d5		10	8.9	89		
Phenol-d6		10	8.3	83		
2,4,6-Tribromophenol		10	9.2	92		
4-Terphenyl-d14		10	7	70		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-EX-3
Client Project ID: TT-2778
Lab Sample ID: G128-2340-3G
Lab Project ID: G128-2340
Report Basis: Dry weight
Initial Weight: 35.02 g

Analyzed By: DCS
Date Collected: 3/18/2009 14:00
Date Received: 3/20/2009
Date Extracted: 3/20/2009
Matrix: Soil
% Solids: 95.26

Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	0.300	0.046	1	3/23/2009	
Acenaphthylene	BQL	0.300	0.042	1	3/23/2009	
Anthracene	BQL	0.300	0.041	1	3/23/2009	
Benzo[a]anthracene	BQL	0.300	0.041	1	3/23/2009	
Benzo[a]pyrene	BQL	0.300	0.043	1	3/23/2009	
Benzo[b]fluoranthene	BQL	0.300	0.042	1	3/23/2009	
Benzo[g,h,i]perylene	BQL	0.300	0.052	1	3/23/2009	
Benzo[k]fluoranthene	BQL	0.300	0.043	1	3/23/2009	
Benzoic Acid	BQL	0.600	0.370	1	3/23/2009	
Bis(2-chloroethoxy)methane	BQL	0.300	0.044	1	3/23/2009	
Bis(2-chloroethyl)ether	BQL	0.300	0.061	1	3/23/2009	
Bis(2-chloroisopropyl)ether	BQL	0.300	0.048	1	3/23/2009	
Bis(2-ethylhexyl)phthalate	BQL	0.300	0.046	1	3/23/2009	
4-bromophenyl phenyl ether	BQL	0.300	0.053	1	3/23/2009	
Butylbenzylphthalate	BQL	0.300	0.044	1	3/23/2009	
2-Chloronaphthalene	BQL	0.300	0.042	1	3/23/2009	
2-Chlorophenol	BQL	0.300	0.038	1	3/23/2009	
4-Chloro-3-methylphenol	BQL	0.300	0.044	1	3/23/2009	
4-Chloroaniline	BQL	1.50	0.049	1	3/23/2009	
4-Chlorophenyl phenyl ether	BQL	0.300	0.044	1	3/23/2009	
Chrysene	BQL	0.300	0.029	1	3/23/2009	
Dibenzo[a,h]anthracene	BQL	0.300	0.038	1	3/23/2009	
Dibenzofuran	BQL	0.300	0.042	1	3/23/2009	
Di-n-Butylphthalate	BQL	0.300	0.044	1	3/23/2009	
1,2-Dichlorobenzene	BQL	0.300	0.051	1	3/23/2009	
1,3-Dichlorobenzene	BQL	0.300	0.049	1	3/23/2009	
1,4-Dichlorobenzene	BQL	0.300	0.044	1	3/23/2009	
3,3'-Dichlorobenzidine	BQL	0.600	0.050	1	3/23/2009	
2,4-Dichlorophenol	BQL	0.300	0.033	1	3/23/2009	
Diethylphthalate	BQL	0.300	0.040	1	3/23/2009	
Dimethylphthalate	BQL	0.300	0.047	1	3/23/2009	
2,4-Dimethylphenol	BQL	0.300	0.054	1	3/23/2009	
Di-n-octylphthalate	BQL	0.300	0.046	1	3/23/2009	
4,6-Dinitro-2-methylphenol	BQL	1.50	0.036	1	3/23/2009	
2,4-Dinitrophenol	BQL	1.50	0.039	1	3/23/2009	
2,4-Dinitrotoluene	BQL	0.300	0.046	1	3/23/2009	
2,6-Dinitrotoluene	BQL	0.300	0.050	1	3/23/2009	
Fluoranthene	BQL	0.300	0.048	1	3/23/2009	
Fluorene	BQL	0.300	0.047	1	3/23/2009	
Hexachlorobenzene	BQL	0.300	0.065	1	3/23/2009	
Hexachlorobutadiene	BQL	0.300	0.055	1	3/23/2009	
Hexachlorocyclopentadiene	BQL	0.600	0.059	1	3/23/2009	
Hexachloroethane	BQL	0.300	0.047	1	3/23/2009	
Indeno(1,2,3-c,d)pyrene	BQL	0.300	0.035	1	3/23/2009	
Isophorone	BQL	0.300	0.044	1	3/23/2009	
2-Methylnaphthalene	BQL	0.300	0.049	1	3/23/2009	
2-Methylphenol	BQL	0.300	0.046	1	3/23/2009	

SGS Environmental Services, Inc.

Results for Semivolatiles
by GCMS 8270

Client Sample ID: TT2778-EX-3
Client Project ID: TT-2778
Lab Sample ID: G128-2340-3G
Lab Project ID: G128-2340
Report Basis: Dry weight
Initial Weight: 35.02 g

Analyzed By: DCS
Date Collected: 3/18/2009 14:00
Date Received: 3/20/2009
Date Extracted: 3/20/2009
Matrix: Soil
% Solids: 95.26


Compound	Result mg/Kg	RL mg/Kg	MDL mg/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	0.300	0.039	1	3/23/2009	
Naphthalene	BQL	0.300	0.042	1	3/23/2009	
2-Nitroaniline	BQL	0.300	0.040	1	3/23/2009	
3-Nitroaniline	BQL	1.50	0.044	1	3/23/2009	
4-Nitroaniline	BQL	1.50	0.040	1	3/23/2009	
Nitrobenzene	BQL	0.300	0.040	1	3/23/2009	
2-Nitrophenol	BQL	0.300	0.044	1	3/23/2009	
4-Nitrophenol	BQL	1.50	0.052	1	3/23/2009	
Diphenylamine *	BQL	0.300	0.048	1	3/23/2009	
Pentachlorophenol	BQL	1.50	0.028	1	3/23/2009	
Phenanthrene	BQL	0.300	0.042	1	3/23/2009	
Phenol	BQL	0.300	0.041	1	3/23/2009	
Pyrene	BQL	0.300	0.041	1	3/23/2009	
1,2,4-Trichlorobenzene	BQL	0.300	0.054	1	3/23/2009	
2,4,5-Trichlorophenol	BQL	0.300	0.045	1	3/23/2009	
2,4,6-Trichlorophenol	BQL	0.300	0.027	1	3/23/2009	
		Spike Added	Spike Result	Percent Recovered		
2-Fluorobiphenyl		10	7.4	74		
2-Fluorophenol		10	8.1	81		
Nitrobenzene-d5		10	8.4	84		
Phenol-d6		10	8.4	84		
2,4,6-Tribromophenol		10	7.7	77		
4-Terphenyl-d14		10	7	70		

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT-2778

Sample Information	
Sample Identification	TT2778-EX-1
Sample Matrix	Soil
Date Collected	03/19/09 14:30
Date Received	03/20/09
Date Extracted	03/20/09
Date Analyzed	03/23/09 13:04 - 03/23/09 13:32
Dry Weight	94.9
Dilution Factor	1 - 1
Initial weight (g)	12.57
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result mg/Kg	Report Limit mg/Kg	Flags
C9-C18 Aliphatics	BQL	10.0	
C19-C36 Aliphatics	BQL	10.0	
C11-C22 Aromatics	BQL	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	93.9		40	140
Aromatic (ortho-terphenyl)	92.5		40	140
Fractionation 1 (2-bromonaphthalene)	106		40	140
Fractionation 2 (2-fluorobiphenyl)	109		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2340-1H	Lab Info: G128-2340-1H
Aliphatic: EP032309/009F0701.D	Aromatic: EP032309/010F0801.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT-2778

Sample Information	
Sample Identification	TT2778-EX-2
Sample Matrix	Soil
Date Collected	03/19/09 14:10
Date Received	03/20/09
Date Extracted	03/20/09
Date Analyzed	03/23/09 14:56 - 03/23/09 15:24
Dry Weight	95.4
Dilution Factor	5 - 1
Initial weight (g)	13.24
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result mg/Kg	Report Limit mg/Kg	Flags
C9-C18 Aliphatics	551	10.0	
C19-C36 Aliphatics	137	10.0	
C11-C22 Aromatics	253	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	84.5		40	140
Aromatic (ortho-terphenyl)	67.1		40	140
Fractionation 1 (2-bromonaphthalene)	67.7		40	140
Fractionation 2 (2-fluorobiphenyl)	65.6		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2340-2H	Lab Info: G128-2340-2H
Aliphatic: EP032309/013F1101.D	Aromatic: EP032309/014F1201.D

Reviewed By: 

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT-2778

Sample Information	
Sample Identification	TT2778-EX-3
Sample Matrix	Soil
Date Collected	03/18/09 14:00
Date Received	03/20/09
Date Extracted	03/20/09
Date Analyzed	03/20/09 21:39 - 03/20/09 21:39
Dry Weight	95.3
Dilution Factor	1 - 1
Initial weight (g)	13.90
Final Volume (mL)	10.0

Analytical Results			
Analytes**	Result	Report Limit	Flags
	mg/Kg	mg/Kg	
C9-C18 Aliphatics	BQL	10.0	
C19-C36 Aliphatics	BQL	10.0	
C11-C22 Aromatics	BQL	10.0	

Surrogates	Percent Recovery	Flags	Limits	
			Lower	Upper
Aliphatic (tricosane)	105		40	140
Aromatic (ortho-terphenyl)	104		40	140

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: G128-2340-3H	Lab Info: G128-2340-3H
Aliphatic: EP032009/015F1201.D	Aromatic: EP032009/015F1201.D

Reviewed By: 

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 02/24/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(02/15/08) (µg/L)	(02/11/08) (mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C9-C18 Aliphatics	1.66	0.274	5.28	0.871	100	10
C19-C36 Aliphatics	2.79	0.201	8.87	0.639	100	10
C11-C22 Aromatics	2.64	0.110	8.40	0.350	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF ✓ r if LR	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	200	33.3	6.70	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₉ -C ₃₆ Aliphatics	200	33.3	4.67	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₁ -C ₂₂ Aromatics	200	33.3	2.55	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		

Calibration Check Date: 03/20/09
03/20/09

Filenames: ep032009/001f0101.d
ep032009/003f0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF ✓ %Drift if LR	Limits
C9-C18 Aliphatics	100	16.7	-1.2	≤±25%
C19-C36 Aliphatics	100	16.7	-1.0	≤±25%
C11-C22 Aromatics	100	16.7	-2.5	≤±25%

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 02/24/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(02/15/08) (µg/L)	(02/11/08) (mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C9-C18 Aliphatics	1.66	0.274	5.28	0.871	100	10
C19-C36 Aliphatics	2.79	0.201	8.87	0.639	100	10
C11-C22 Aromatics	2.64	0.110	8.40	0.350	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR ✓	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	200	33.3	6.70	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₉ -C ₃₆ Aliphatics	200	33.3	4.67	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₁ -C ₂₂ Aromatics	200	33.3	2.55	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		

Calibration Check Date: 03/20/09
03/20/09

Filenames: ep032009/016f1301.d
ep032009/017f1401.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR ✓	Limits
C9-C18 Aliphatics	100	16.7	2.8	±25%
C19-C36 Aliphatics	100	16.7	4.1	±25%
C11-C22 Aromatics	100	16.7	3.4	±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

Attachment 3

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 02/24/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(02/15/08) (µg/L)	(02/11/08) (mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C9-C18 Aliphatics	1.66	0.274	5.28	0.871	100	10
C19-C36 Aliphatics	2.79	0.201	8.87	0.639	100	10
C11-C22 Aromatics	2.64	0.110	8.40	0.350	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR ✓	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	200	33.3	6.70	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₉ -C ₃₆ Aliphatics	200	33.3	4.67	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		
C ₁₁ -C ₂₂ Aromatics	200	33.3	2.55	Calibration Factor
	100	16.7		
	50	8.33		
	25	4.17		
	5	0.833		

Calibration Check Date: 03/23/09 Filenames: ep032309/001f1301.d
03/23/09 ep032309/002f1401.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR ✓	Limits
C9-C18 Aliphatics	100	16.7	6.1	≤±25%
C19-C36 Aliphatics	100	16.7	6.3	≤±25%
C11-C22 Aromatics	100	16.7	-4.7	≤±25%

MDL = Method Detection Limit
 ML = Minimum Limit
 RL = Reportable Limit

RPD = Relative Percent Difference
 %RSD = Percent Relative Standard Deviation
 CCC = Correlation Coefficient of Curve

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT-2778

Sample Information	
Sample Identification	TT2778-EX-1
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	03/19/09 14:30
Date Received	03/20/09
Date Extracted	03/20/09
Date Analyzed	03/20/09 23:31 - 03/20/09 23:31
Dry Weight	.94.9
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	BQL	10.0		
C ₉ -C ₁₀ Aromatics**	BQL	10.0		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	86.5		70	130
Surrogate % Recovery - FID	99.0		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2340-1d	Lab Info: g128-2340-1d
FID Info: VP032009/025F0101.D	PID Info: VP032009/025R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT-2778

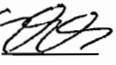
Sample Information	
Sample Identification	TT2778-EX-2
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	03/19/09 14:10
Date Received	03/20/09
Date Extracted	03/20/09
Date Analyzed	03/20/09 23:58 - 03/20/09 23:58
Dry Weight	95.4
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	BQL	10.0		
C ₉ -C ₁₀ Aromatics**	BQL	10.0		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	82.9		70	130
Surrogate % Recovery - FID	95.5		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2340-2d	Lab Info: g128-2340-2d
FID Info: VP032009/026F0101.D	PID Info: VP032009/026R0101.D

Reviewed By: 

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name: Richard Catlin & Associates

Project Name: TT-2778

Sample Information	
Sample Identification	TT2778-EX-3
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	03/18/09 14:00
Date Received	03/20/09
Date Extracted	03/20/09
Date Analyzed	03/21/09 00:25 - 03/21/09 00:25
Dry Weight	95.3
Dilution Factor	1 - 1

Analytical Results				
Analyte	Result mg/Kg	Report Limit mg/Kg	Flags	
C ₅ -C ₈ Aliphatics**	BQL	10.0		
C ₉ -C ₁₂ Aliphatics**	BQL	10.0		
C ₉ -C ₁₀ Aromatics**	BQL	10.0		
	Percent Recovery	Flags	Limits Lower Upper	
Surrogate % Recovery - PID	87.6		70	130
Surrogate % Recovery - FID	101		70	130

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards and are unadjusted for individual analytes.

Lab Info: g128-2340-3d	Lab Info: g128-2340-3d
FID Info: VP032009/027F0101.D	PID Info: VP032009/027R0101.D

Reviewed By: 

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 03/15/09 PID Initial Calibration Date: 03/15/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR ✓	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	8.21	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	24.28	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	7.07	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date: 03/20/09 Filename: VP032009/007F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR ✓	Limits
C ₅ -C ₈ Aliphatics	200	16	-9.4	±25%
C ₉ -C ₁₂ Aliphatics	200	16	2.3	±25%
C ₉ -C ₁₀ Aromatics	200	16	-5.0	±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

SGS Environmental Services, Inc.

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 03/15/09 PID Initial Calibration Date: 03/15/09

Calibration Ranges and Limits

Range	MDL		ML		RL	
	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)	(µg/L)	(mg/Kg)
C ₅ -C ₈ Aliphatics	2.02	0.175	6.42	0.557	100	10
C ₉ -C ₁₂ Aliphatics	1.51	0.118	4.80	0.375	100	10
C ₉ -C ₁₀ Aromatics	0.902	0.132	2.87	0.420	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	Levels (mg/Kg)	%RSD if CF r if LR ✓	Method of Quantitation
C ₅ -C ₈ Aliphatics	10	0.8	8.21	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₂ Aliphatics	10	0.8	24.28	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		
C ₉ -C ₁₀ Aromatics	10	0.8	7.07	Calibration Factor
	50	4		
	100	8		
	200	16		
	500	40		

Calibration Check Date: 03/20/09 Filename: VP032009/031F0101.d

Calibration Check

Range	Levels (µg/L)	Levels (mg/Kg)	%Difference if CF %Drift if LR ✓	Limits
C ₅ -C ₈ Aliphatics	200	16	-23.6	±25%
C ₉ -C ₁₂ Aliphatics	200	16	3.0	±25%
C ₉ -C ₁₀ Aromatics	200	16	-11.4	±25%

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve



CHAIN OF CUSTODY RECORD

SGS Environmental Services Inc.

- Locations Nationwide
- Alaska
 - Hawaii
 - Ohio
 - Maryland
 - New Jersey
 - North Carolina
 - West Virginia
- www.us.sgs.com

091686

SGS Reference: 6128-2340 PAGE 1 OF 1

SGS Environmental Services, Inc.

1 CLIENT: CATLIN PHONE NO: (910) 452-5861

CONTACT: Shane Chasteen SITE/FWSID#: 209-018

PROJECT: TT-2778 E-MAIL: Shane.Chasteen@catlin.com

REPORTS TO: Shane Chasteen FAX NO: (910) 452-7563

INVOICE TO: Sheila @ CATLIN QUOTE # 000 101

P.O. NUMBER 290320-1

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No	SAMPLE TYPE	Preservatives Used	Analysis Required	MeOH	REMARKS
	TT2778-EX-1	3/19/09	1430	S	6	G	✓	✓	MADEP VPH	- Report Low Runs
	TT2778-EX-2	3/19/09	1410	S	6	G	✓	✓	MADEP EFH	- Report in "Summary" Format
	TT2778-EX-3	3/18/09	1400	S	6	G	✓	✓	MADEP EFH	* Run 24-hour Turnaround *

2 CONTAINERS

3

4

5

Collected/Relinquished By: (1) Shane Chasteen Date 3/20/09 Time 0630

Relinquished By: (2) Michael Johnson Date 3/20/09 Time 826

Relinquished By: (3) Michael Johnson Date 3/24/09 Time 0826

Relinquished By: (4) _____ Date _____ Time _____

Shipping Carrier: _____

Shipping Ticket No: _____

Special Deliverable Requirements: _____

Special Instructions: _____

Samples Received Cold? (Circle YES/NO) NO

Temperature (C): 5.9° C

Chain of Custody Seal: (Circle) ABSENT

INTACT ABSENT BROKEN

Requested Turnaround Time: ASAP Date Needed _____

RUSH STD

0 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301

0 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

0 1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0781

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

APPENDIX E
SOIL DISPOSAL MANIFESTS

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL# _____

LOAD # 07304

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGATION:

Site TT-2778 MCB Camp Lejeune

Transporter: S+M

Gross Weight (lbs.): 77420

Truck #: SM 208

Tare Weight (lbs.): 30000

Truck Tag #/State: LL 9754

Net Weight (lbs.): 47420

Driver Name (Print): Sydney Boyd

Net Weight (tons): 23.71

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Sydney Boyd 3/18/09
Driver Signature Date

Sydney Boyd 3-18-09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/18/09 [Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07305

GENERATOR

Mel Corp. Lenoir, NC

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site IT-2778 Mel Corp. Lenoir, NC

Transporter: P&F Environmental

Gross Weight (lbs.): 60580

Truck #: PJ 101

Tare Weight (lbs.): 23560

Truck Tag #/State: ZB 12254

Net Weight (lbs.): 37020

Driver Name (Print): Tim Thorne

Net Weight (tons): 18.51

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Tim Thorne 3-18-09
Driver Signature Date

Tim Thorne 3-18-09
Driver Signature Date

Inspected and Accepted By:

[Signature] 3/18/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804

Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL# _____

LOAD # 07306

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGATION:

Site TT-2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 75660

Truck #: PF 104

Tare Weight (lbs.): 31700

Truck Tag #/State: ZB 1225A

Net Weight (lbs.): 43960

Driver Name (Print): Greg Pridgen

Net Weight (tons): 21.98

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Greg Pridgen 3/18/09
Driver Signature Date

Greg Pridgen 3/18/09
Driver Signature Date

Inspected and Accepted By:

Greg Pridgen 3/18/09

Greg Pridgen

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07307

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site TF-2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 76600

Truck #: PF 103

Tare Weight (lbs.): 33060

Truck Tag #/State: ZB 18949

Net Weight (lbs.): 43540

Driver Name (Print): Walter Parker

Net Weight (tons): 21.77

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 3/18/09
Driver Signature Date

Walter Parker 3/18/09
Driver Signature Date

Inspected and Accepted By:

[Signature] 3/18/09 [Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804

Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07308

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: II-2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 81260

Truck #: PF 102

Tare Weight (lbs.): 33420

Truck Tag #/State: 2B 25821

Net Weight (lbs.): 47840

Driver Name (Print): Bryant Pridgen

Net Weight (tons): 23.92

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 3-18-09
Driver Signature Date

Bryant Pridgen 3-18-09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/18/09 [Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - Invoice

YELLOW - Generator

PINK - Trucker

GOLD - P & F Environmental

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL# _____

LOAD # 07309

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site TT-2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 56720

Truck #: PF 105

Tare Weight (lbs.): 21600

Truck Tag #/State: 2B 35517

Net Weight (lbs.): 35120

Driver Name (Print): Franklin Rhodes

Net Weight (tons): 17.56

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Franklin Rhodes 3-18-09
Driver Signature Date

Franklin Rhodes 3/18/09
Driver Signature Date

Inspected and Accepted By:

Franklin Rhodes 3/18/09 Franklin Rhodes

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07310

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site TT-2778 MCB Camp Lejeune

Transporter: P+F Environmental

Gross Weight (lbs.): 70,460

Truck #: P-102

Tare Weight (lbs.): 33,420

Truck Tag #/State: ZB 25821

Net Weight (lbs.): 39,040

Driver Name (Print): Bryant Pridge

Net Weight (tons): 19.52

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridge 3-18-09
Driver Signature Date

Bryant Pridge 3-18-09
Driver Signature Date

Inspected and Accepted By: [Signature] 3-18-09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07315

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site TT-2778 MCB Camp Lejeune

Transporter: P + F Environmental

Gross Weight (lbs.): 86,040

Truck #: P-103

Tare Weight (lbs.): 33,060

Truck Tag #/State: ZB 16949

Net Weight (lbs.): 52,980

Driver Name (Print): Walter Parker

Net Weight (tons): 26.49

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 3-18-09
Driver Signature Date

Walter Parker 3/18/09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/18/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - Invoice

YELLOW - Generator

PINK - Trucker

GOLD - P & F Environmental

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804

Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07312

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site TT-2778 MCB Camp Lejeune

Transporter: P+F Environmental

Gross Weight (lbs.): 52,640

Truck #: P-105

Tare Weight (lbs.): 21,600

Truck Tag #/State: ZB 35571

Net Weight (lbs.): 31,040

Driver Name (Print): Franklin Rhodes

Net Weight (tons): 15.52

I hereby certify that the material stated herein was received at the waste origination site listed.

Franklin Rhodes 3-18-09
Driver Signature Date

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Franklin Rhodes 3/18/09
Driver Signature Date

Inspected and Accepted By:

Franklin Rhodes 3-18-09 James Ridge

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - Invoice

YELLOW - Generator

PINK - Trucker

GOLD - P & F Environmental

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07313

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: Site TI-2778 MCB Camp Lejeune

Transporter: P+F Environmental

Gross Weight (lbs.): 76,800

Truck #: P-104

Tare Weight (lbs.): 31,700

Truck Tag #/State: ZB 12252

Net Weight (lbs.): 45,100

Driver Name (Print): Greg Pridge

Net Weight (tons): 22.55

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Greg Pridge 3-18-09
Driver Signature Date

Greg Pridge 3-18-09
Driver Signature Date

Inspected and Accepted By: [Signature] 3-18-09

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL# _____

LOAD # 07314

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site TT-2778 MCB Camp Lejeune

Transporter: P+F Environmental

Gross Weight (lbs.): 82,180

Truck #: 208

Tare Weight (lbs.): 30,000

Truck Tag #/State: LL 9754

Net Weight (lbs.): 52,180

Driver Name (Print): Sydney Boyd

Net Weight (tons): 26.09

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Sydney Boyd 3-18-09
Driver Signature Date

Sydney Boyd 3-18-09
Driver Signature Date

Inspected and Accepted By: [Signature] 3-18-09 [Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL# _____

LOAD # 07315

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: Site TT-2778 MCB Camp Lejeune

Transporter: P+F Environmental

Gross Weight (lbs.): 61,160

Truck #: P-101

Tare Weight (lbs.): 23,560

Truck Tag #/State: ZB 12254

Net Weight (lbs.): 37,600

Driver Name (Print): Tim Thorne

Net Weight (tons): 18.80

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Tim Thorne 3-18-09
Driver Signature Date

Tim Thorne 3-18-09
Driver Signature Date

Inspected and Accepted By: [Signature] 3-18-09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07316

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGATION:

Site TF-2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 79,400

Truck #: P-103

Tare Weight (lbs.): 33,060

Truck Tag #/State: ZB-16949

Net Weight (lbs.): 46,340

Driver Name (Print): _____

Net Weight (tons): 23.17

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parks 3/19/09
Driver Signature Date

Walter Parks 3/19/09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/19/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804

Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL# _____

LOAD # 07317

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site TT-2778 MCB Camp Lejeune

Transporter: Pt F Environmental

Gross Weight (lbs.): 79,440

Truck #: 208

Tare Weight (lbs.): 30,000

Truck Tag #/State: 208 LL 9754

Net Weight (lbs.): 49,440

Driver Name (Print): Sydney Boyd

Net Weight (tons): 24.72

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Sydney Boyd 3/19/09
Driver Signature Date

Sydney Boyd 3.19.09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/19/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - Invoice

YELLOW - Generator

PINK - Trucker

GOLD - P & F Environmental

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07318

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site IT-2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 74,860

Truck #: P-104

Tare Weight (lbs.): 31,700

Truck Tag #/State: 2B 12252

Net Weight (lbs.): 43,160

Driver Name (Print): Greg Bridgen

Net Weight (tons): 21.58

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Greg Bridgen 3/19/09
Driver Signature Date

Greg Bridgen 3/19/09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/19/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07319

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGATION:

Site TT-2778 MCB Camp Lejeune

Transporter: P+F Environmental

Gross Weight (lbs.): 55,000

Truck #: P-105

Tare Weight (lbs.): 21,600

Truck Tag #/State: 2B 35571

Net Weight (lbs.): 33,600

Driver Name (Print): Franklin Rhodes

Net Weight (tons): 16.81

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Franklin Rhodes 3/14/09
Driver Signature Date

Franklin Rhodes 3/16/09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/19/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - Invoice

YELLOW - Generator

PINK - Trucker

GOLD - P & F Environmental

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07320

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site IT-2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 80,520

Truck #: PF 102

Tare Weight (lbs.): 33,400

Truck Tag #/State: ZB 25821

Net Weight (lbs.): 47,100

Driver Name (Print): Bryant Pridgen

Net Weight (tons): 23.55

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 3.19.09
Driver Signature Date

Bryant Pridgen 3.19.09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/19/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL# _____

LOAD # 07321

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site TT-2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 56,960

Truck #: P-101

Tare Weight (lbs.): 23,560

Truck Tag #/State: 2B 12254

Net Weight (lbs.): 33,400

Driver Name (Print): Tim Thorne

Net Weight (tons): 16.70

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Tim Thorne 3-19-09
Driver Signature Date

Tim Thorne 3-19-09
Driver Signature Date

Inspected and Accepted By

[Signature] 3/19/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - Invoice

YELLOW - Generator

PINK - Trucker

GOLD - P & F Environmental

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07322

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGATION:

Site TT-2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 53,780

Truck #: P-105

Tare Weight (lbs.): 21,600

Truck Tag #/State: 2B 35571

Net Weight (lbs.): 32,180

Driver Name (Print): Franklin Rhodes

Net Weight (tons): 16.09

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Franklin Rhodes 3/19/09
Driver Signature Date

Franklin Rhodes 3/19/09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/19/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07323

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION: Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION: Site TT-2778 MCB Camp Lejeune

Transporter: P + F Environmental

Gross Weight (lbs.): 84,766

Truck #: 208

Tare Weight (lbs.): 30,000

Truck Tag #/State: LL 9754

Net Weight (lbs.): 54,760

Driver Name (Print): Sydney Boyd

Net Weight (tons): 27.38

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Sydney Boyd 3.19.09
Driver Signature Date

Sydney Boyd 3.19.09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/19/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07324

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site TT-2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 79560

Truck #: P-102

Tare Weight (lbs.): 33,420

Truck Tag #/State: 2B 25821

Net Weight (lbs.): 46140

Driver Name (Print): Bryant Pridgen

Net Weight (tons): 23.07

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Bryant Pridgen 3/19/09
Driver Signature Date

Bryant Pridgen 3-19-09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/19/09

[Signature]

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

WHITE - Invoice

YELLOW - Generator

PINK - Trucker

GOLD - P & F Environmental

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # _____

LOAD # 07325

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGATION:

Site TI-2778 MCB Camp Lejeune

Transporter: P+F Environmental

Gross Weight (lbs.): 81,740

Truck #: P-104

Tare Weight (lbs.): 31,700

Truck Tag #/State: 2B 12252

Net Weight (lbs.): 50,040

Driver Name (Print): Greg Prudgen

Net Weight (tons): 25.02

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Greg Prudgen 3/19/09
Driver Signature Date

Greg Prudgen 3/19/09
Driver Signature Date

Inspected and Accepted By:

[Signature] 3/19/09 [Signature]

NOTICE TO TRANSPORTER

**TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET**

WHITE - Invoice

YELLOW - Generator

PINK - Trucker

GOLD - P & F Environmental

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804
Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL# _____

LOAD # 07326

GENERATOR

MCB Camp Lejeune

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

Site # 2778 MCB Camp Lejeune

Transporter: P & F Environmental

Gross Weight (lbs.): 81,840

Truck #: P-103

Tare Weight (lbs.): 33,060

Truck Tag #/State: 2B 16949

Net Weight (lbs.): 48,780

Driver Name (Print): Walter Parker

Net Weight (tons): 24.39

I hereby certify that the material stated herein was received at the waste origination site listed.

I hereby certify that the material stated herein was delivered without incident to the destination listed.

Walter Parker 3/19/09
Driver Signature Date

Walter Parker 3/19/09
Driver Signature Date

Inspected and Accepted By: [Signature] 3/19/09

[Signature]
Date

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET