Preliminary Site Assessment
NC DOT Multi Modal Station
Proposed Mail and Service Depot
Parcels 20A, 20B, 21D, 26, 27 and 28
Charlotte, North Carolina

H&H Job No. ROW-132

NC DOT Project P-3800
WBS# 32179

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Preliminary Site Assessment
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1.0 Project Description

Hart & Hickman, PC (H&H) conducted a Preliminary Site Assessment (PSA) on behalf of the North Carolina Department of Transportation (DOT) on property located from southwest of West Carson Street to just southwest of Penman Street in Charlotte, Mecklenburg County, North Carolina. The work was conducted as part of DOT Project P-3800.

The subject property is along a railway corridor proposed for use as a Multi Modal Mail and Service Depot. A site location map excerpted from the USGS topographic map is provided as Figure 1. A site plan is included as Figure 2 and Figures 3 and 4 present excerpts of aerial photographs of the site from 1985 and 2004, respectively. Appendix A contains photographs of the subject property.

The subject project site is located from southwest of West Carson Street to just southwest of Penman Street in Charlotte, Mecklenburg County, North Carolina. The subject property is comprised of six parcels (Parcels 20A, 20B, 21D, 26, 27, and 28) owned by DOT along a railway corridor proposed for use as a Multi Modal Mail and Service Depot. The six parcels comprise approximately 5 acres. Previously, H&H completed a Limited Phase I Environmental Site Assessment (ESA) of the property and the report was submitted to DOT on May 27, 2005.

As documented in the Limited ESA, H&H identified documentation of former USTs at Parcels 20A and 28, suspected existing USTs on Parcel 26, and an area of stained soil on Parcel 21D. Additionally, H&H found documentation of potential ground water impacts from an offsite source extending to impacts above ground water standards extend to portions of Parcels 20A, 20B, 21D and 26.

Based on the results of the Limited ESA, DOT requested that H&H conduct a preliminary site assessment comprised of a geophysical survey and soil and ground water sampling

1.1 General Site Description and Use

DOT has designated the subject parcels as Parcels 20A, 20B, 21D, 26, 27, and 28. The parcels are currently vacant parcels owned by DOT and are proposed to be used as the Multi Modal Station - Mail and Service Depot.

H&H reviewed Mecklenburg County tax records on the Mecklenburg County Property Ownership Land Records Information System (POLARIS) website (http://maps2.co.mecklenburg.nc.us/website/realestate). The subject properties are owned by DOT and consist of nine tax parcels with identification numbers 07326218, 07326219, 07326220, 07326239, 07326226, 07326240, 07326801, 07326803, and 07326808. DOT has organized these nine parcels into the six parcels previously indicated and as summarized in the following table.

NC DOT Parcel ID	Mecklenburg County Parcel ID	Associated Site Address
20A	07326219	520 and 522 W. Penman Street
20B	07326220	1224 S. Graham Street
21D	07326226, 07326239 and 07326240	513 and 515 W. Palmer Street
26	07326218	521 W. Penman Street
27	07326801	520 W. Palmer Street
28	07326803 and 07326808	520 W. Palmer Street

The parcels are currently vacant and do not currently contain buildings with the exception of two open-sided shelters located on Parcel 26. H&H understands that DOT recently removed the former site buildings. Publicly available utilities (sewer, water, natural gas, electricity) are available in the area.

1.2 Vicinity Characteristics

The subject site is located south of Interstate Highway 277 (John Belk Freeway) near the Bank of America Stadium, south of downtown Charlotte. The property is located in an industrial and commercial area of Charlotte near rail and highway transportation corridors. The subject site is comprised of six parcels and has an irregular shape, but in general the parcels as a whole are bordered as follows:

- North and Northwest – The rail line and Charlotte Pipe and Foundry beyond;
- Northeast – West Carson Boulevard, a welding shop, and the Rowe Corporation/Bouligny Inactive Hazardous Sites facility and I-277 beyond;
- East to South – Commercial and office properties, and South Graham Street beyond;
- South to West– Ferguson Enterprises and commercial and industrial businesses.

1.3 Physical Setting

Topography

According to the Charlotte East, NC United States Geological Survey (USGS) topographic quadrangle map dated 1988, the subject property is located at an approximate topographic elevation of 700 to 720 feet above mean sea level (Figure 1). The general topographic slope is toward the northeast.

Geology

The subject property is located in the Piedmont Physiographic Province of North Carolina. According to the *Geologic Map of North Carolina* dated 1985, the subject property lies within the Charlotte Belt of the Piedmont. In the site area, underlying bedrock is composed of granitic rock. The land surface of the area is generally characterized as gently sloping, which may become moderately steep where intersected by streams.

Review of various site assessment reports from the North Carolina Department of Environment and Natural Resources (DENR) files for the subject parcels and nearby sites indicates the subsurface is comprised of approximately 20 to 30 feet of saprolite overlying granodiorite rock. The depth to ground water is approximately 20 to 30 ft at the site, based on data from the mid-1990's. based on topography and information in previous assessment reports, it is anticipated that the primary direction of ground water flow at the site is toward the north and northeast.

1.4 Summary of Limited Phase I Environmental Site Assessment

As indicated previously, H&H recently completed a Limited ESA on the six subject parcels and more detailed information regarding the site history and potential environmental concerns is included in the ESA. In general, residential development appears to have occurred on the subject site prior to 1911 and commercial development occurred shortly thereafter. Various commercial, transport, manufacturing, distribution and storage/warehouse facilities have been located on the subject parcels since the early 1900's. Some specific uses included a lumber yard, a boat manufacturing facility, trucking terminals, various warehouses, and a concrete product distribution facility with an associated oil distribution business. Pertinent environmental issues are summarized below on a parcel-by parcel basis.

<u>Ground Water (Parcels 20A, 20B, 21D, and 26)</u>

Ground water beneath Parcels 20B, 20A, 21D and possibly 26 was impacted with chlorinated solvents (particularly TCE) based upon ground water samples collected between 1993 and 1996. The sampling was done as part of an assessment of the adjacent Diversey Water Technologies site at 1201 South Graham Street. Numerous monitoring wells were installed for the assessment, including wells on Parcels 20A and 20B. The well on Parcel 20B yielded a sample with 260 µg/l of TCE, however the samples from wells on Parcel 20A did not contain detectable concentrations of TCE. A TCE plume map prepared as part of the assessment indicates the ground water plume extends to Parcels 20A, 20B, 21D, and 26. Figure 2 indicates the extent of the plume based on the previous assessment. The depth to ground water is approximately 20 to 30 feet below grade.

The source of the TCE is unknown but is suspected to be from an upgradient source across Penman and Graham Streets. DENR has assigned the incident a low priority and indicated they do not foresee additional assessment due to the lack of potential ground water receptors in the area.

Parcel 20A

Parcel 20A at 520 Penman Street site is listed in DENR databases as a UST site with DENR Facility ID 0-003805. Three gasoline USTs were installed in 1984 and removed in 1990. The location of the former USTs is unknown. The DENR files in the Mooresville Regional Office do not contain information about the site other than the database listing, however the site is not listed as a LUST site. Due to the date of the closure, a UST report should have been filed and closure samples collected. Based on the lack of information indicating a release, it is suspected that the USTs removals were deemed by DENR to be a clean closure.

No other specific historical environmental concerns were identified on Parcel 20A with the exception of the USTs and the ground water issue discussed above. However, previous operations at the site, including use as a boat manufacturing facility with onsite painting operations are of potential concern.

Parcel 20B

No specific environmental concerns were noted for this parcel with the exception of the impacted ground water indicated above.

Parcel 21D

H&H observed a small but significantly stained area of soil on Parcel 21D. This surface staining was dark black, approximately 5-ft in diameter and is suspected to be petroleum-based (Photo 6). H&H recommended the stained soil be sampled for disposal characterization and the impacted soil removed.

Parcel 26

H&H observed two vent pipes suspected to be related to USTs on Parcel 26 (Photos 1, 10, and 13). No other evidence of USTs was noted, however a concrete pad was observed near the vent pipes which may have been a dispenser area. The site previously was occupied by a lumber yard and then trucking companies which commonly have fueling operations. Therefore, H&H suspects that the USTs may be present at the site and recommended a geophysical survey be conducted and the USTs removed, if encountered.

No other specific historical environmental concerns were identified on Parcel 26 with the exception of the ground water issue discussed above. However, the historical operations at the site, including a lumber yard, storage facility, and trucking facility are of potential concern.

Parcel 27 and 28

The EDR database indicated Parcel 28 (520 West Palmer) was listed as a UST and LUST site. The UST Facility Number is 0-014214 and the DENR Incident Number is 15141. The responsible party is Tucker-Kirby Co. The USTs were part of a #2 fuel oil distribution operation from 1954 until 1972 in association with Mullis Oil Company.

Review of the DENR file indicates three USTs were actually located on the parcel adjacent and southeast of Parcel 28. The USTs were removed from the site in 1991. The USTs included 2 20,000-gal and 1 10,000-gal diesel USTs. It should be noted that the dispenser for the 10,000-gallon UST was located on Parcel 28, directly adjacent to a storage building.

Diesel-range petroleum hydrocarbons were encountered at concentrations of up to 2,800 mg/kg beneath the 20,000-gal USTs during UST removal. No TPH was detected in samples from the 10,000-gal UST area. Approximately 550 cubic yards of soil was excavated and temporarily stockpiled onsite pending treatment. Soil samples collected at the base of the excavation at a depth of approximately 18 ft below grade did not contain detectable concentrations of TPH. Ground water samples were not collected. Based on the UST closure report, H&H believes the stockpiled soil was treated onsite, but no specific information was available regarding the ultimate disposition of the soil.

Based on the information contained in the Closure Report, DENR issued a letter of No Further Action in 1992.

2.0 Site Assessment Field Activities

Geophysical Survey

As part of the PSA, DOT contracted with Geophex, Ltd. of Raleigh, North Carolina to conduct a geophysical survey at the site. The geophysical survey was conducted to locate potential underground storage tanks (USTs) and other buried potential environmental concerns on the property. The Geophex report is included in Appendix B. Geophex noted four anomalies of interest. The location of these anomalies are indicated on Figure 5, a copy of the 2004 aerial photograph of the site.

Anomaly 1

Anomaly 1 is located on Parcel 26 near the entryway at the northeastern portion of the property. Two vent pipes are visible in this area. Geophex indicated that EM and GPR data did not conclusively indicate a UST, however, based on the EM field induced when a Schonstedt locator was coupled with the vent pipes, an approximate 16 by 12 ft area of a potential UST was identified.

Anomaly 2

Anomaly 2 was noted in the southeastern portion of Parcel 26. A metal pipe is present in this area adjacent to the southeastern storage shed and near a fence gate. No GPR or EM data indicative of a UST was noted. Additionally, H&H investigated this area and believes the pipe is likely a bollard used for the fence gate.

Anomaly 3

Anomaly 3 is comprised of two small anomalies located on the western portion of Parcel 20a on either side of a former entryway to the site. Geophex indicated this anomaly appeared to be two buried objects, however the geophysical response did not appear indicative of USTs. Therefore, this anomaly is most likely the result of shallow buried metal debris.

Anomaly 4

Anomaly 4 was noted on the northwestern section of Parcel 27, near the fence. Please note that Geophex erroneously indicated this location to be on the adjacent Parcel 28. The GPR data indicated a 3 x 10 anomaly suspected to be a UST. This area is located approximately 115 feet northeast of Palmer Street along the fence separating Parcel 27 from the railway.

Soil Assessment Field Activities

H&H mobilized to the site on September 8, 2005 to commence field activities for the PSA. H&H reviewed site conditions, observed the location of the Geophex markings indicating geophysical anomalies, and other pertinent site features.

H&H advanced a total of twenty-two soil borings at the site (Figure 2) and collected continuous soil samples using a direct push technology (DPT) rig in the areas of potential concern. Probe Technologies was subcontracted to do the DPT borings. The borings were designated as "SB" (soil boring) and then the parcel number (ie. "20A") and then sequentially. For example, boring SB20A-3 was the third soil boring advanced on parcel 20A. The locations of the borings are indicated on Figure 2. Due to the lack of site structures and notable landmarks, H&H also located each boring using a handheld GPS unit. The latitude and longitude of each boring is indicated on Table 1.

DPT borings were advanced to depths ranging from 6 to 26 ft below ground surface (bgs). DPT refusal was encountered in several borings at depths ranging from 6 to 16 ft. Ground water was not encountered in any of the borings. Boring logs are included in Appendix C.

During boring advancement, soils were evaluated for the presence of staining, odors, and elevated organic vapor analyzer (OVA) readings. OVA readings were measured using a photoionization detector (PID). Elevated OVA readings were not encountered in any of the site borings.

At least one soil sample from each boring was submitted to Pace Analytical, a DOT contract laboratory, for analysis of total petroleum hydrocarbons in the gasoline range (TPH-GRO) by

EPA Method 5030 and diesel range (TPH-DRO) by EPA Method 3550. Additionally, at least one soil sample from each boring group was also analyzed for volatile organics by EPA Method 8260 due to the uncertainty of historical operations. Select soil samples were also analyzed for Oil and grease by EPA Method 9071. Table 1 summarizes the sample depths, the locations of the borings, and the analytical results. Individual laboratory analytical data sheets and chain-of-custody documentation are included in Appendix D. The analytical results are discussed below in Section 4. Additionally, samples from the surface and 4 to 6 ft in boring SB21D were also analyzed for soil characterization parameters oil and grease, semi-VOCs by EPA method 8270, and TCLP leachate of RCRA metals for disposal purposes since this boring was advanced in an area of severe staining and H&H recommended this soil be removed and properly disposed.

Ground Water Assessment Activities

The scope of work for the project included conversion of two borings to temporary wells and collection of a ground water sample if ground water was encountered during boring advancement and/or ground water impacts were suspected. As indicated previously, ground water samples collected in the early and mid-1990's indicated TCE impacts from suspected offsite sources on parts of the property, particularly parcels 20B, 20A, and 21D.

To obtain data on current ground water conditions, borings SB20B-1 and SB21D-2 were advanced to DPT refusal at depths of 21.5 and 26 ft, respectively, in an attempt to obtain ground water samples. Ground water was not encountered in either boring; therefore, no ground water samples were collected during the PSA field activities.

3.0 Results

Soil

A parcel-by-parcel description of sampling activities and results is presented below. In general, no target analytes were detected in any of the soil samples submitted for laboratory analyses with the exception of samples from borings SB21D-1 (within the soil stain on Parcel 21) and SB26-7 (in the northernmost shelter on Parcel 26). Additionally acetone and methylene chloride was detected in several soil samples, however these analytes are common laboratory contaminants and their detection is not suspected to be indicative of subsurface contamination.

Parcel 20A

Possible Buried Debris (Geophysical Anomaly 3)

Four borings were advanced around the two areas of anomaly 3 (Photos 3, 4, and 8). One soil sample from each boring was submitted to the laboratory for analysis of TPH-GRO and TPH-DRO. One of the samples was also analyzed for VOCs. No target analytes were detected in the samples from these borings.

Miscellaneous Sample Locations

Two additional borings (SB20A-5 and SB20A-6) were advanced on Parcel 26. These borings were advanced in the vicinity of the northern side and center of the former site building, respectively, because specific historical site operation locations are unknown. One soil sample from each boring was analyzed for TPH-GRO, TPH-DRO, and VOCs. No target analytes were detected with the exception of methylene chloride.

Parcel 20B

Groundwater Boring

Boring SB20B-1 was advanced in the southwestern portion of the parcel to obtain a ground water sample representative of upgradient conditions since historical sampling had indicated TCE was present in the ground water. The boring was advanced to DPT refusal at a depth of 21.5 ft, however no ground water was encountered.

Parcel 21D

Soil Stain

H&H advanced boring SB21D-1 in the center of the small (4 ft by 4 ft) stained soil area on Parcel 21 (Photo 6). The boring was advanced to a depth of twelve ft below grade. The staining was observed to be surficial and limited to the upper six inches. A soil sample was collected from the surface stain and from a depth of 4 to 6 ft to delineate the extent of impacts. The samples were analyzed for TPH-GRO, TPH-DRO, O&G, VOCs, SVOCs, and TCLP metals.

The surficial sample contained elevated concentrations of TPH-DRO (22,000 mg/kg) and O&G (32,000 mg/kg). The sample also contained benzene (0.310 mg/kg), ethylbenzene (0.470 mg/kg), and xylenes (8.300 mg/kg) at concentrations exceeding the DENR action levels. For TCLP metals, only barium (0.75 mg/l) and lead (0.034 mg/l) were detected in the TCLP leachate but these concentrations are below the TCLP limits for hazardous waste. Therefore, the soil can be disposed of as a non-hazardous waste. No target analytes were detected in the sample from 4 to 6 ft with the exception of acetone and methylene chloride which are suspected to be laboratory contaminants.

Based on the geometry of the stain and the limited vertical extent, H&H suspects the stain is the result of recent leakage, possibly from a vehicle during grading activities at the site. H&H estimates that volume of impacted soil is less than 1 cubic yard of soil and it can be disposed as a non-hazardous waste.

Groundwater Boring

Boring SB21D-2 was advanced in the northeastern portion of the parcel to obtain a ground water sample representative of downgradient conditions. The boring was advanced to DPT refusal at a depth of 26 ft, however no ground water was encountered.

Parcel 26

UST System Area

Six soil borings (SB26-1, SB26-2, SB26-2A, SB26-3, SB26-3A, and SB26-4) were advanced in the vicinity of the vent pipes and suspected USTs on Parcel 26. Additionally, one boring (SB26-6) was advanced in the vicinity of the suspected dispenser area, just west of the suspected USTs.

The geophysical data indicated the UST(s) were located beneath an area of approximately 16 x 12 ft. H&H attempted to advance borings around the perimeter of the 16 x 12 area, however probe or hand auger refusal was encountered at several locations at approximately 3 ft below grade and H&H suspects that the UST(s) may extend out further than indicated by the geophysical survey. H&H estimates the USTs are beneath an area of approximately 15 ft by 34 ft located just south of the northeast entrance to Parcel 26 off of Penman Street (Photos 1, 9, 10, and 13). Two vent pipes were observed, however no fill ports were noted.

Soil samples collected from the seven borings were submitted to the laboratory for analysis of TPH-GRO and TPH-DRO. Additionally one of the samples was analyzed for VOCs. No target analytes were detected in the soil samples with the exception of TPH-DRO from 8 to 10 ft below grade in SB26-1, located along the northwest side of the suspected USTs. This detection is below the DENR action level. Although none of the soil samples contained target analytes above DENR action levels, it should be noted that soil samples could not be collected directly beneath the USTs and it is possible that soil impacts may be encountered upon removal of the USTs.

H&H recommends the USTs on Parcel 26 be removed.

Northern Storage Shed

One soil boring (SB26-7) was advanced in the northern shed on Parcel 26 (Photo 11). The boring was advanced because historical photos indicated significant storage in the area, although the stored materials appeared to be primarily lumber. The boring was advanced through the asphalt surface to a depth of 6 ft where DPT refusal on partially weathered rock was

encountered. A thin (approx 6") stain was noted at the surface, just below the asphalt, however no OVA reading were noted and no odors were present. A soil sample collected from 0 to 1.5 ft was submitted to the laboroatory for analysis of TPH-GRO, TPH-DRO, oil and grease, and VOCs. Oil and grease was detected at a concentration of 450 mg/kg, above the DENR default standard of 200 mg/kg. TPH-DRO was also detected at a concentration of 270 mg/kg, above the DENR action level of 40 mg/kg (or 10 mg/kg for a UST release). Additionally methylene chloride (0.087 mg/kg) and tetrachloroethene (PCE)(0.055 mg/kg) were detected in the soil sample. As indicated previously, the methylene chloride is suspected to be a laboratory contaminant and not representative of subsurface conditions. The PCE concentration exceeds the DENR soil to ground water action level of 0.00074 mg/kg.

TPH-DRO, oil and grease, and PCE were detected in the shallow soil sample at concentrations exceeding the DENR action levels. Additional lateral and vertical assessment was not conducted at the time of the DPT sampling. However after receipt of the laboratory results, H&H attempted to hand auger in the area of SB26-7 to attempt such delineation. Due to the ground cover and presence of gravels and partially weathered rock, the hand augers could not be advanced beyond approximately 6 inches. Therefore, H&H recommends that prior to any grading operations in this area that additional sampling be conducted.

Southern Storage Shed

One soil boring (SB26-5) was advanced in the vicinity of the southern storage shed near the metal pipe identified in the geophysical survey as anomaly 2 (Photo 2). A soil sample from the boring was analyzed for TPH-GRO and TPH-DRO. No target analytes were detected.

<u>Parcel 27</u>

Possible UST

Four soil borings (SB27-1, SB27-2, SB-27-3, and SB-27-4) were advanced in the vicinity of the suspected UST (geophysical anomaly 4) on Parcel 27 (Photos 5 and 14). The soil samples were analyzed for TPH-GRO and TPH-DRO and one sample was also analyzed for VOCs. No target analytes were detected. Although no TPH was detected, it is possible that impacts may be present directly beneath the UST. H&H recommends that the UST be removed.

Parcel 28

Former UST Area

Two soil borings (SB28-1 and SB28-2) were advanced in the vicinity of the former USTs located adjacent to Parcel 28 and in the former vicinity of the storage building in this area. Samples from these borings were submitted to the laboratory for analysis of TPH-GRO, TPH-DRO, and VOCs. No target analytes were detected.

4.0 Summary and Recommendations

H&H advanced a total of twenty-two soil borings at the site (Figure 2) and collected continuous soil samples using a DPT rig in the areas of potential concern. Due to the lack of site structures and notable landmarks, H&H also located each boring using a handheld GPS unit. The latitude and longitude of each boring is indicated on Table 1.

DPT borings were advanced to depths ranging from 6 to 26 ft below ground surface (bgs). DPT refusal was encountered in several borings at depths ranging from 6 to 16 ft. Ground water was not encountered in any of the borings. To obtain data on current ground water conditions, borings SB20B-1 and SB21D-2 were advanced to DPT refusal at depths of 21.5 and 26 ft, respectively, in an attempt to obtain ground water samples. Ground water was not encountered in either boring, therefore, no ground water samples were collected during the field activities.

In general, no target analytes were detected in any of the soil samples submitted for laboratory analyses with the exception of samples from borings SB21D-1 (within the soil stain on Parcel 21) and SB26-7 (in the northernmost shelter on Parcel 26). Additionally acetone and methylene chloride was detected in several soil samples, however these analytes are common laboratory contaminants and their detection is not suspected to be indicative of subsurface contamination.

<u>Parcel 20A Geophysical Anomaly</u>

A geophysical anomaly suspected to be buried debris was encountered on Parcel 20A near the northern entryway off of Penman Street. Soil samples collected near the anomaly did not contain target analytes. *H&H recommends that exploratory excavation be conducted in the vicinity of the anomaly to confirm the absence of USTs.*

Parcel 21D Soil Stain

H&H advanced boring SB21D-1 in the center of the small (4 ft by 4 ft) stained soil area on Parcel 21. The boring was advanced to a depth of twelve ft below grade. The staining was observed to be surficial and limited to the upper six inches.

A surficial sample collected from the stained area contained elevated concentrations of TPH-DRO (22,000 mg/kg), O&G (32,000 mg/kg). The sample also contained benzene (0.310 mg/kg), ethylbenzene (0.470 mg/kg), and xylenes (8.300 mg/kg) at concentrations exceeding the DENR action levels. For TCLP metals, only barium (0.75 mg/l) and lead (0.034 mg/l) were detected in the TCLP leachate and these concentrations are below the TCLP limits for hazardous waste. Therefore, the soil can be disposed of as a non-hazardous waste. No target analytes were detected in the sample from 4 to 6 ft with the exception of acetone and methylene chloride which are suspected to be laboratory contaminants.

H&H recommends the impacted soil be removed and properly disposed. Based on the geometry of the stain and the limited vertical extent, H&H suspects the stain is the result of recent leakage, possibly from a vehicle during grading activities at the site. H&H estimates that volume of impacted soil is less than 1 cubic yard of soil and it can be disposed as a non-hazardous waste.

Parcel 26 USTs

Based on geophysical data and site observations, H&H suspects that two USTs are present on Parcel 26 near the northwestern entry gate to the parcel. Two vent pipes were observed but no fill ports were observed. Therefore the volume and contents of the UST(s) could not be confirmed. However based on a combination of geophysical data and hand auger and DPT refusal, H&H suspects the USTs are present under an area of approximately 15 by 34 ft. Soil sampling conducted around the suspected USTs did not indicate the presence of TPH-GRO or TPH-DRO with the exception of 7.2 mg/kg of TPH-DRO detected in a soil sample from the northwest side of the suspected USTs at a depth of 8 to 10 ft below grade. No TPH was detected in the vicinity of a suspected former dispenser area to the west of the suspected USTs. *H&H recommends that the USTs be removed.*

Parcel 26 Northern Shed Area

A soil boring advanced within the northern shed on Parcel 26 contained concentrations of TPH-DRO, oil and grease, and PCE above DENR standards. The boring was advanced through the asphalt surface to a depth of 6 ft where DPT refusal on partially weathered rock was encountered. A thin (approx 6") stain was noted at the surface, just below the asphalt, however no OVA readings were noted and no odors were present.

Additional lateral and vertical assessment was not conducted at the time of the DPT sampling. However after receipt of the laboratory results, H&H attempted to hand auger in the area of boring to attempt such delineation. Due to the ground cover and presence of gravels and partially weathered rock, the hand augers could not be advanced beyond approximately 6 inches. *Therefore, H&H recommends that additional sampling be conducted prior to any grading operations in this area.*

Parcel 27 UST

Based on geophysical data, H&H suspects an approximate 1,000-gallon UST may be present on Parcel 27, located approximately 115 ft northeast of Palmer Street along the northern fenceline. No fill ports or vent pipes were observed and the volume or contents of the UST could not be confirmed. No TPH or VOCs were detected in samples collected around the suspected UST. *H&H recommends that the UST be removed.*

Recommendations

H&H recommends the following actions based on the PSA results:

- Removal of potential USTs on Parcels 26 and 27. No soil impacted above DENR action levels were encountered during PSA activities in the vicinity of the USTs, however impacted soil may be present directly beneath the USTs.
- Exploratory excavation with a backhoe should be conducted on Parcel 20A in the vicinity of the geophysical anomaly to confirm the absence of USTs. The anomaly was located on either side of the northern entryway and gate to Parcel 20A off of Penman Street.

- Removal and disposal of approximately less than 1 cubic yard of surficially stained and impacted soil on Parcel 21D. Analytical results indicate the soil can be disposed of as non-hazardous material.
- Shallow soil impacted with oil and grease, TPH-DRO, and PCE was detected beneath the asphalt in the storage shelter at the northern portion of Parcel 26. Delineation of the soil impacts was not completed during this PSA. Therefore, prior to excavation or grading (if any) activities in this area, it is recommended that the impacts be delineated and the soil be excavated and properly disposed.

5.0 Signatures of Environmental Professionals

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Michael S. Crouch, PE, PG
Project Manager

Table 1
Soil Analytical Detections
Proposed Multi-Modal Site
H&H Project ROW-132

DOT Parcel ID	NC DENR Soil to Groundwater Clean-up Levels	**Parcel 20A- 522 Penman Street**						**Parcel 21D- 513 Palmer Street**	
Sample ID		**SB20A-1**	**SB20A-2**	**SB20A-3**	**SB20A-4**	**SB20A-5**	**SB20A-6**	**SB21D-1**	
Sample Location		Near Driveway	Near Driveway	Near Driveway	Near Driveway	NW of Former Building	Near Former Buidling Center	Surface Spill	
Latitude and Longitude		35°13.370N 80°51.518W	35°13.368N 80°51.521W	35°13.365N 80°51.520W	35°13.367N 80°51.519W	35°13.385N 80°51.495W	35°13.374N 80°51.502W	35°13.394N 80°51.480W	
Sample Depth (feet)		(6-8)	(6-8)	(6-8)	(6-8)	(10-12)	(10-12)	(0)	(4-6)
Units	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
VOCs (8260)									
Acetone	2.81	NA	NA	<0.120	NA	<0.120	<0.130	<5.700	0.180
Benzene	0.0056	NA	NA	<0.0060	NA	<0.0062	<0.0065	**0.310**	<0.0064
Ethylbenzene	0.24	NA	NA	<0.0060	NA	<0.0062	<0.0065	**0.470**	<0.0064
p-Isopropyltoluene	NS	NA	NA	<0.0060	NA	<0.0062	<0.0065	0.680	<0.0064
Methylene chloride	0.02	NA	NA	**0.042**	NA	**0.058**	<0.0065	<0.280	**0.051**
Naphthalene	0.58	NA	NA	<0.0060	NA	<0.0062	<0.0065	0.400	<0.0064
Tetrachloroethene	0.0074	NA	NA	<0.0060	NA	<0.0062	<0.0065	<0.280	<0.0064
Toluene	7	NA	NA	<0.0060	NA	<0.0062	<0.0065	1.500	<0.0064
1,2,4-Trimethylbenzene	8	NA	NA	<0.0060	NA	<0.0062	<0.0065	4.700	<0.0064
1,3,5-Trimethylbenzene	7	NA	NA	<0.0060	NA	<0.0062	<0.0065	3.200	<0.0064
Xylenes (Total)	5	NA	NA	<0.060	NA	<0.0062	<0.0065	**8.300**	<0.0064
Total Petroleum Hydrocarbons	UST Action Level								
TPH-DRO (3550)	10	<5.7	<5.8	<6.0	<5.5	<6.2	<6.5	**22,000**	<6.4
TPH-GRO (5030)	10	<4.6	<5.2	<5.5	<5.4	<5.8	<5.8	**8.6**	<5.1
Oil and Grease (9071B)	250	NA	NA	NA	NA	NA	NA	**32,000**	<210

Notes:
EPA Method number follows parameter in parenthesis
Only compounds detected in at least one sample shown
Bold indicates concentration exceeds soil to ground water standard
VOCs = Volatile Organic Compounds
NS = Not Specified; NA = Not Analyzed
DRO=Diesel Related Organics GRO= Gasoline Related Organics

Table 1
Soil Analytical Detections
Proposed Multi-Modal Site
H&H Project ROW-132

DOT Parcel ID	NC DENR Soil to Groundwater Clean-up Levels	Parcel 26 - 521 Penman Street									
Sample ID		**SB26-1**	**SB26-2**		**SB26-2A**	**SB26-3**	**SB26-3A**	**SB26-4**	**SB26-5**	**SB26-6**	**SB26-7**
Sample Location		NW End of UST	SW Side of UST		SW Side of UST	NE Side of UST	NE Side of UST	SE End of UST	SE Building	Former Dispenser Island	NW Building
Latitude and Longitude		35°13.364N 80°51.541W	35°13.362N 80°51.540W	35°13.362N 80°51.540W	35°13.362N 80°51.541W	35°13.362N 80°51.539W	35°13.363N 80°51.540W	35°13.361N 80°51.540W	35°13.339N 80°51.519W	35°13.360N 80°51.545W	35°13.373N 80°51.572W
Sample Depth (feet)		(8-10)	(10-12)	(15)	(10-11)	(8-10)	(10-12)	(8-10)	(8-10)	(10-12)	(0-1.5)
Units	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
VOCs (8260)											
Acetone	2.81	NA	<0.120	NA	NA	NA	NA	NA	NA	NA	<0.120
Benzene	0.0056	NA	<0.0062	NA	NA	NA	NA	NA	NA	NA	<0.0062
Ethylbenzene	0.24	NA	<0.0062	NA	NA	NA	NA	NA	NA	NA	<0.0062
p-Isopropyltoluene	NS	NA	<0.0062	NA	NA	NA	NA	NA	NA	NA	<0.0062
Methylene chloride	0.02	NA	0.009	NA	NA	NA	NA	NA	NA	NA	**0.087**
Naphthalene	0.58	NA	<0.0062	NA	NA	NA	NA	NA	NA	NA	<0.0062
Tetrachloroethene	0.0074	NA	<0.0062	NA	NA	NA	NA	NA	NA	NA	**0.055**
Toluene	7	NA	<0.0062	NA	NA	NA	NA	NA	NA	NA	<0.0062
1,2,4-Trimethylbenzene	8	NA	<0.0062	NA	NA	NA	NA	NA	NA	NA	<0.0062
1,3,5-Trimethylbenzene	7	NA	<0.0062	NA	NA	NA	NA	NA	NA	NA	<0.0062
Xylenes (Total)	5	NA	<0.0062	NA	NA	NA	NA	NA	NA	NA	<0.0062
Total Petroleum Hydrocarbons	UST Action Level										
TPH-DRO (3550)	10	7.2	<6.2	<5.6	<6.0	<6.5	<6.2	<6.3	<6.2	<6.1	**270**
TPH-GRO (5030)	10	<5.7	<4.6	<4.1	<4.6	<5.3	<4.9	<5.1	<5.0	<5.2	<6.8
Oil and Grease (9071B)	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	**450**

Notes:
EPA Method number follows parameter in parenthesis
Only compounds detected in at least one sample shown
Bold indicates concentration exceeds soil to ground water standard
VOCs = Volatile Organic Compounds
NS = Not Specified; NA = Not Analyzed
DRO=Diesel Related Organics GRO= Gasoline Related Organics

Table 1
Soil Analytical Detections
Proposed Multi-Modal Site
H&H Project ROW-132

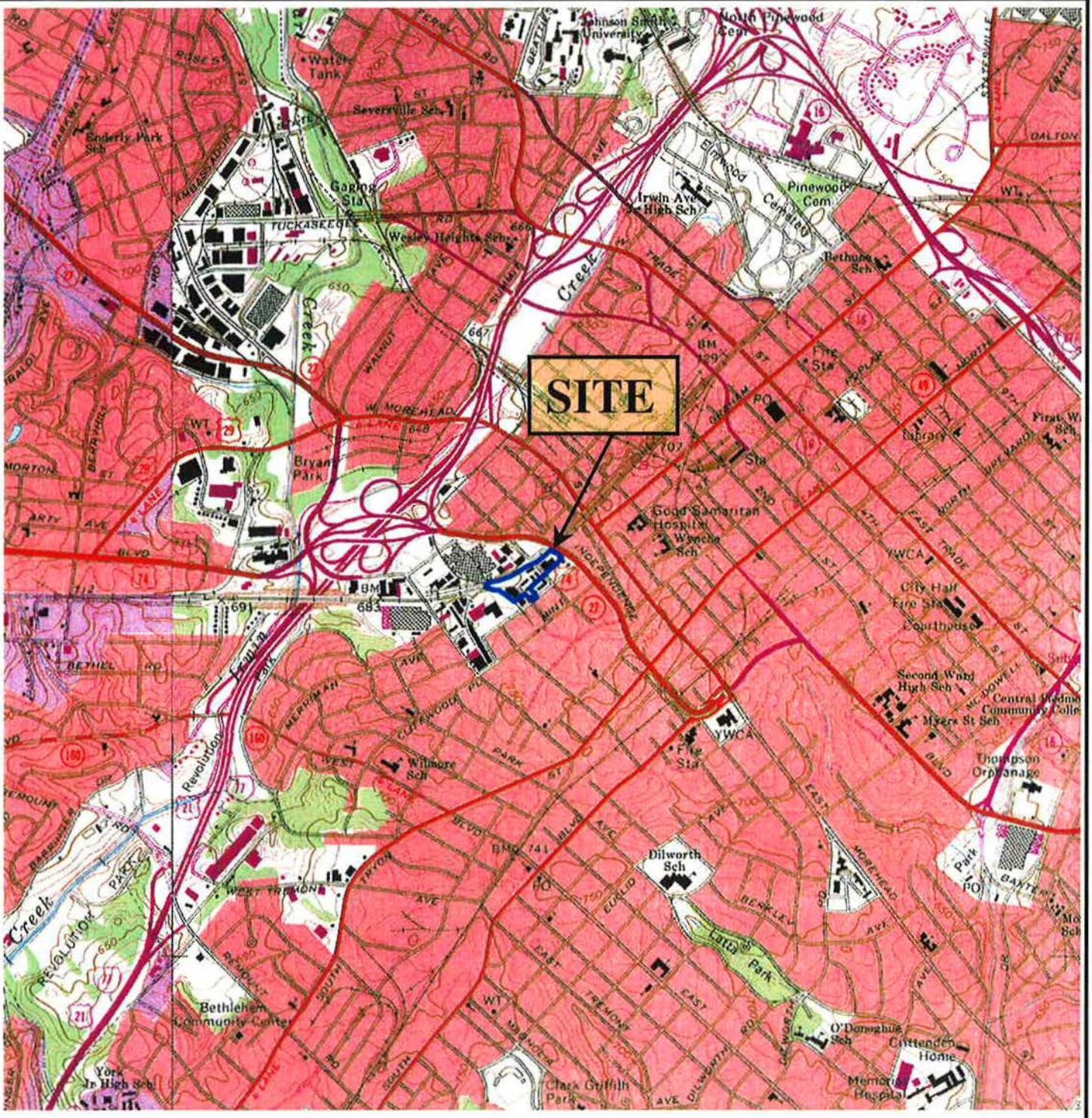
DOT Parcel ID	NC DENR Soil to Groundwater Clean-up Levels	**Parcel 27-1130 Palmer Street**					**Parcel 28**		
Sample ID		**SB27-1**	**SB27-2**	**SB27-3**	**SB27-4**		**SB28-1**	**SB28-2**	
Sample Location		NW Side UST	NE Side UST	SE Side UST	SW Side UST		Near Former USTs	Near Former USTs	
Latitude and Longitude		35°13.420N 80°51.448W	35°13.421N 80°51.449W	35°13.421N 80°51.451W	35°13.399N 80°51.436W		35°13.400N 80°51.432W	35°13.399N 80°51.436W	
Sample Depth (feet)		(6-8)	(6-8)	(6-8)	(2-4)	(6-8)	(10-12)	(2-4)	(10-12)
Units	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
VOCs (8260)									
Acetone	2.81	NA	<0.130	NA	NA	NA	<0.140	0.250	<0.130
Benzene	0.0056	NA	<0.0067	NA	NA	NA	<0.0069	<0.0059	<0.0065
Ethylbenzene	0.24	NA	<0.0067	NA	NA	NA	<0.0069	<0.0059	<0.0065
p-Isopropyltoluene	NS	NA	<0.0067	NA	NA	NA	<0.0069	<0.0059	<0.0065
Methylene chloride	0.02	NA	**0.056**	NA	NA	NA	<0.0069	**0.180**	**0.053**
Naphthalene	0.58	NA	<0.0067	NA	NA	NA	<0.0069	<0.0059	<0.0065
Tetrachloroethene	0.0074	NA	<0.0067	NA	NA	NA	<0.0069	<0.0059	<0.0065
Toluene	7	NA	<0.0067	NA	NA	NA	<0.0069	<0.0059	<0.0065
1,2,4-Trimethylbenzene	8	NA	<0.0067	NA	NA	NA	<0.0069	<0.0059	<0.0065
1,3,5-Trimethylbenzene	7	NA	<0.0067	NA	NA	NA	<0.0069	<0.0059	<0.0065
Xylenes (Total)	5	NA	<0.0067	NA	NA	NA	<0.0069	<0.0059	<0.0065
Total Petroleum Hydrocarbons	UST Action Level								
TPH-DRO (3550)	10	<5.9	<6.7	<6.2	<6.3	<6.4	<6.9	<30	<6.5
TPH-GRO (5030)	10	<4.6	<6.2	<5.6	<4.8	<6.0	<6.0	<5.6	<6.0
Oil and Grease (9071B)	250	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
EPA Method number follows parameter in parenthesis
Only compounds detected in at least one sample shown
Bold indicates concentration exceeds soil to ground water standard
VOCs = Volatile Organic Compounds
NS = Not Specified; NA = Not Analyzed
DRO=Diesel Related Organics GRO= Gasoline Related Organics

Table 2
Stained Soil Characterization Analytical Detections
Proposed Multi-Modal Site
H&H Project ROW-132

DOT Parcel ID	NC DENR Action Level	**Parcel 21D- 513 Palmer Street**	
Sample ID		**SB21D-1**	
Sample Location		Surface Spill	
Latitude and Longitude		35°13.394N 80°51.480W	
Sample Depth (feet)		(0)	(4-6)
Units	(mg/kg)	(mg/kg)	(mg/kg)
VOCs (8260)			
Acetone	2.81	<5.700	0.180
Benzene	0.0056	**0.310**	<0.0064
Ethylbenzene	0.24	**0.470**	<0.0064
p-Isopropyltoluene	NS	0.680	<0.0064
Methylene chloride	0.02	<0.280	**0.051**
Naphthalene	0.58	0.400	<0.0064
Tetrachloroethene	0.0074	<0.280	<0.0064
Toluene	7	1.500	<0.0064
1,2,4-Trimethylbenzene	8	4.700	<0.0064
1,3,5-Trimethylbenzene	7	3.200	<0.0064
Xylenes (Total)	5	**8.300**	<0.0064
SVOCs (8260)	NS	BDL	NA
Total Petroleum Hydrocarbons	UST Action Level		
TPH-DRO (3550)	10	**22,000**	<6.4
TPH-GRO (5030)	10	**8.6**	<5.1
Oil and Grease (9071B)	250	**32,000**	<210
TCLP Metals	Haz Waste Level (mg/l)		
Arsenic	5	<0.0025	NA
Barium	100	0.75	NA
Cadmium	1.0	<0.0050	NA
Chromium	5.0	<0.010	NA
Lead	5.0	<0.025	NA
Selenium	1.0	<0.025	NA
Silver	5.0	<0.010	NA
Mercury	0.2	<0.00020	NA

Notes:
EPA Method number follows parameter in parenthesis
Only compounds detected in at least one sample shown for VOCs
Bold indicates concentration exceeds soil to ground water standard
VOCs = Volatile Organic Compounds
NS = Not Specified; NA = Not Analyzed
DRO=Diesel Related Organics GRO= Gasoline Related Organics



U.S.G.S. QUADRANGLE MAP

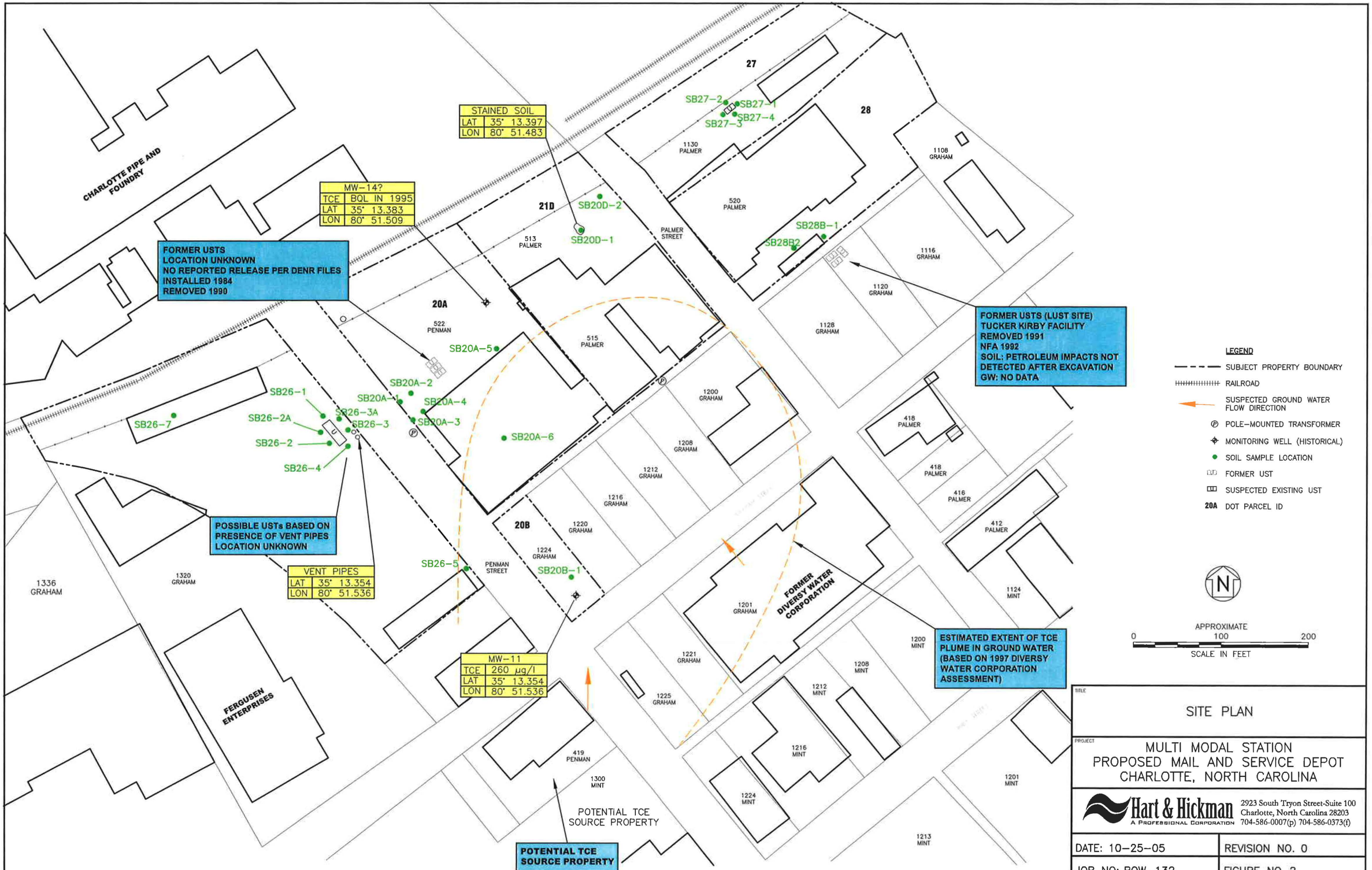
CHARLOTTE EAST
1967 Revised 1988

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE	SITE LOCATION MAP
PROJECT	NC DOT MULTIMODAL SITE PROPOSED MAIL AND SERVICE DEPOT CHARLOTTE, NORTH CAROLINA

Hart & Hickman
A PROFESSIONAL CORPORATION
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)

DATE:	5-01-05	REVISION NO:	0
JOB NO:	ROW-132	FIGURE NO:	1



TITLE

SITE PLAN

PROJECT

MULTI MODAL STATION
PROPOSED MAIL AND SERVICE DEPOT
CHARLOTTE, NORTH CAROLINA

Hart & Hickman
A PROFESSIONAL CORPORATION
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

DATE: 10-25-05	REVISION NO. 0
JOB NO: ROW-132	FIGURE NO. 2

N

APPROXIMATE
0 150 300
SCALE IN FEET

26 NC DOT Parcel ID

TITLE	1985 AERIAL PHOTOGARAPH
PROJECT	NC DOT MULTI-MODAL SITE PROPOSED MAIL AND SERVICE DEPOT CHARLOTTE, NORTH CAROLINA

Hart & Hickman
A Professional Corporation
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)

DATE:	5-01-05	REVISION NO:	0
JOB NO:	ROW-132	FIGURE NO:	3

N

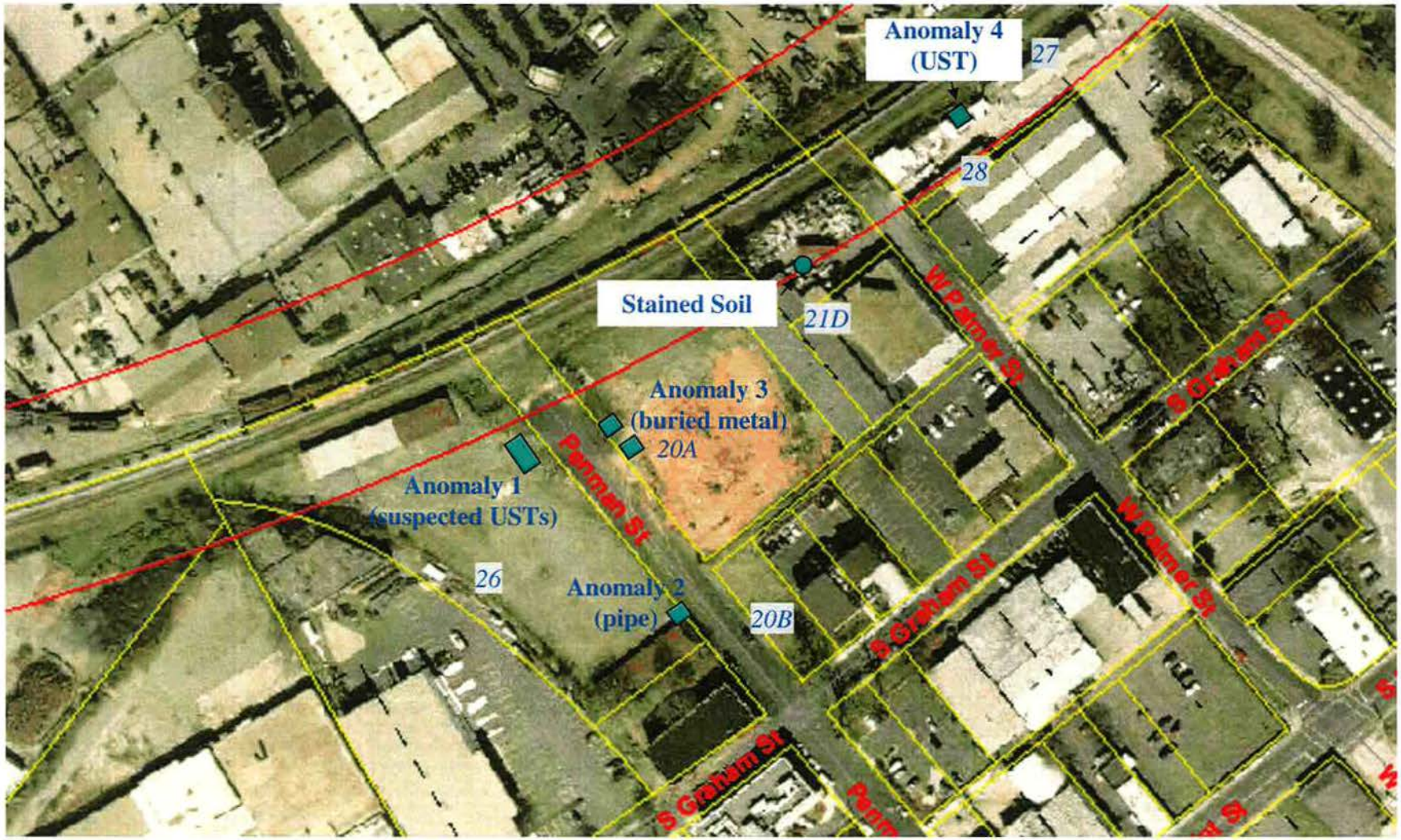
APPROXIMATE
0 150 300
SCALE IN FEET

26 NC DOT Parcel ID

TITLE	2004 AERIAL PHOTOGARAPH
PROJECT	NC DOT MULTI-MODAL SITE PROPOSED MAIL AND SERVICE DEPOT CHARLOTTE, NORTH CAROLINA

Hart & Hickman
A PROFESSIONAL CORPORATION
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)

DATE:	5-01-05	REVISION NO:	0
JOB NO:	ROW-132	FIGURE NO:	4



N

APPROXIMATE
0 150 300
SCALE IN FEET

26 NC DOT Parcel ID

TITLE	GEOPHYSICAL ANOMALIES ON 2004 AERIAL
PROJECT	NC DOT MULTI-MODAL SITE PROPOSED MAIL AND SERVICE DEPOT CHARLOTTE, NORTH CAROLINA

Hart & Hickman
A Professional Corporation
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)

DATE:	10-01-05	REVISION NO:	0
JOB NO:	ROW-132	FIGURE NO:	5

Appendix A

Site Photographs

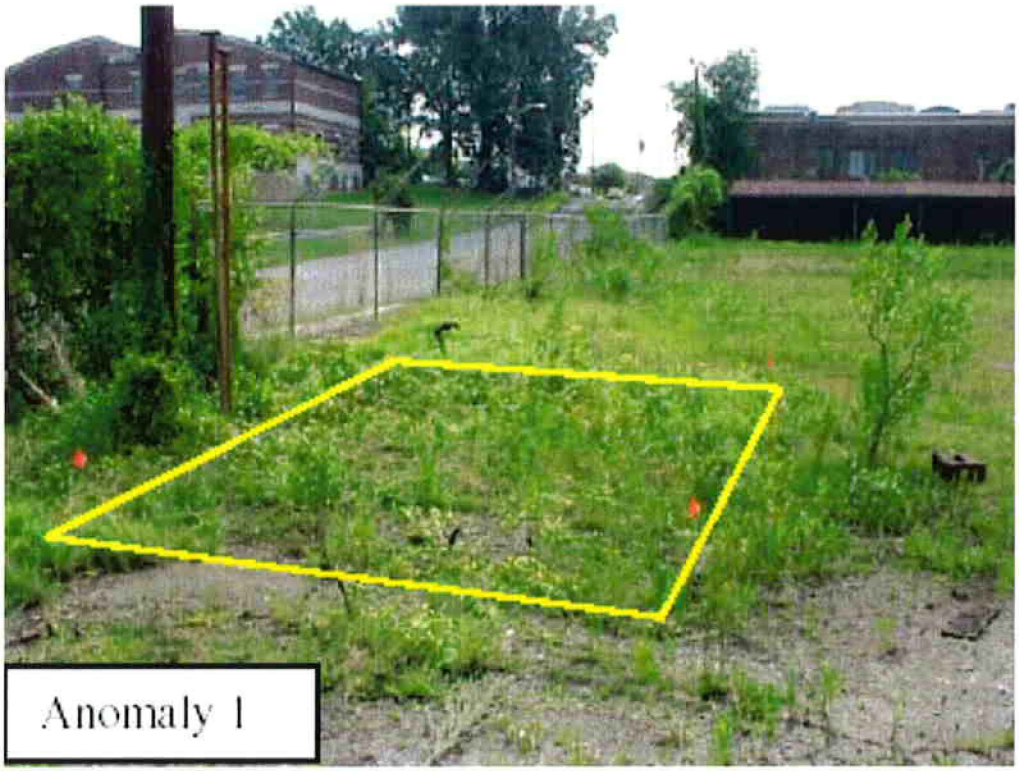


Photo 1 – Geophysical Anomaly 1. Suspected UST on Parcel 26. Vent pipes to the left

Photo 2 – Geophysical Anomaly 2. Near southeast shed on Parcel 26

MULTI MODAL STATION – PROPOSED MAIL AND SERVICE DEPOT
CHARLOTTE, NORTH CAROLINA

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A Professional Corporation
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Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0370 (f)

DATE:	10-18-05	SITE PHOTOGRAPHS
JOB NO:	ROW-132	APPENDIX A

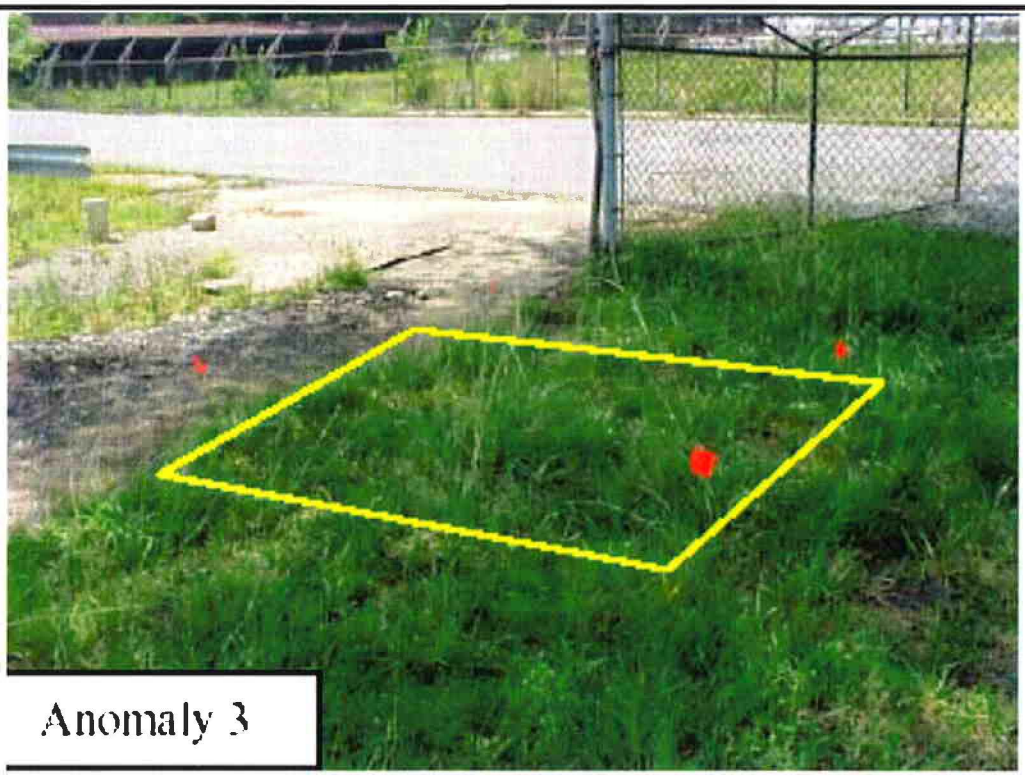

Photo 3 – Geophysical anomaly 3. Suspected buried metal near Penman St entryway to Parcel 20A

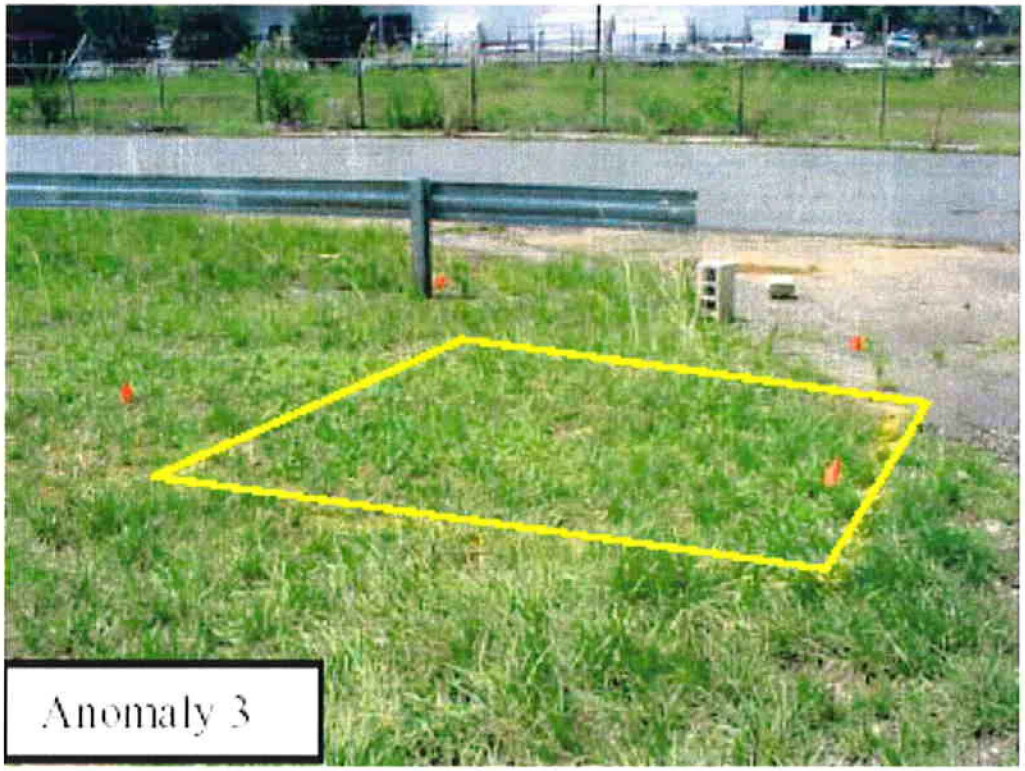

Photo 4 – Geophysical anomaly 3. Suspected buried metal near Penman St entryway to Parcel 20A

MULTI MODAL STATION – PROPOSED MAIL AND SERVICE DEPOT
CHARLOTTE, NORTH CAROLINA

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704-586-0007 (p) 704-586-0370 (f)

DATE:	10-18-05	SITE PHOTOGRAPHS
JOB NO:	ROW-132	APPENDIX A

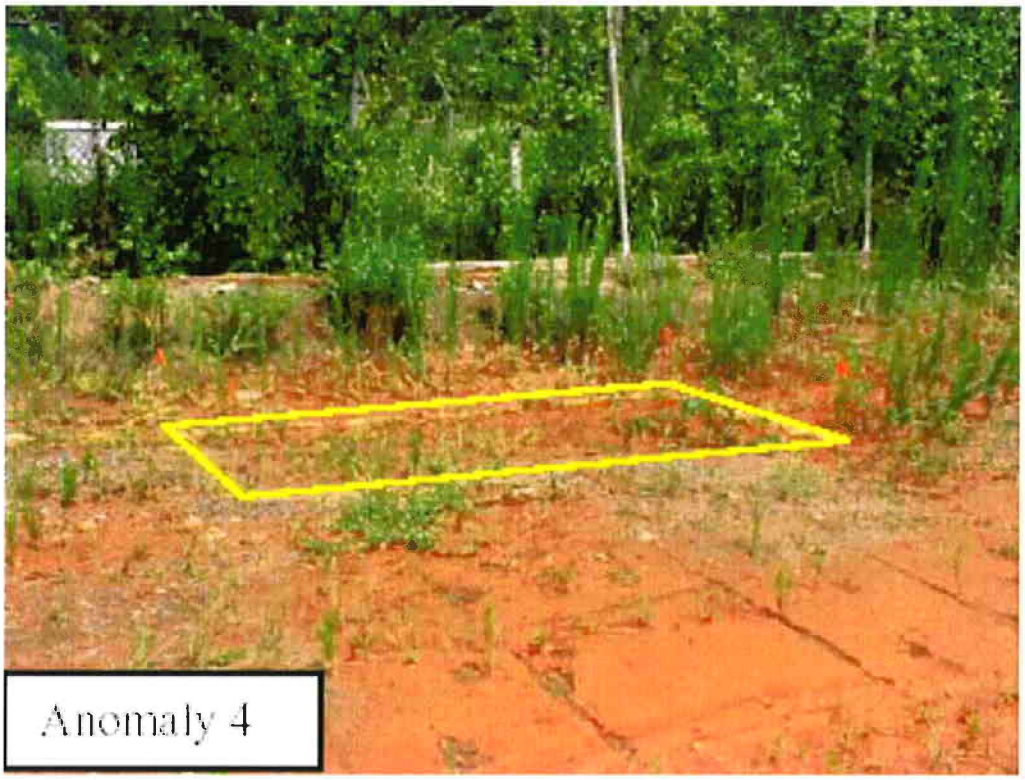

Photo 5 – Suspected UST on Parcel 27.

Photo 6 – Stained soil on Parcel 21D

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704-586-0007 (p) 704-586-0370 (f)

DATE:	10-18-05	SITE PHOTOGRAPHS
JOB NO:	ROW-132	APPENDIX A

Photo 7 - Looking southeast across Parcel 20A toward adjacent office building. Parcel 20B is in background on right of photograph

Suspected buried metal (Anomaly 3)

Photo 8 - Looking southwest across Parcel 20A toward Penman St entryway (Anomaly 3) and Parcel 26. The suspect buried objects (Anomaly 3) are on either side of drive

MULTI MODAL STATION – PROPOSED MAIL AND SERVICE DEPOT
CHARLOTTE, NORTH CAROLINA

Hart & Hickman
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704-586-0007 (p) 704-586-0370 (f)

DATE:	10-18-05	SITE PHOTOGRAPHS
JOB NO:	ROW-132	APPENDIX A

Photo 9 - Concrete pad near vent pipe. May be dispenser area on Parcel 26. Vent pipes in background near pole

Photo 10 - Suspected UST vent pipes on Parcel 26. Penman St in background

MULTI MODAL STATION – PROPOSED MAIL AND SERVICE DEPOT
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Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0370 (f)

DATE:	10-18-05	SITE PHOTOGRAPHS
JOB NO:	ROW-132	APPENDIX A

Photo 11 – Northwest shed. Boring SB26-7 indicated (boring contained shallow impacts)

Photo 12 – Looking Northwest toward shed on Parcel 26

MULTI MODAL STATION – PROPOSED MAIL AND SERVICE DEPOT
CHARLOTTE, NORTH CAROLINA

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704-586-0007 (p) 704-586-0370 (f)

DATE:	10-18-05	SITE PHOTOGRAPHS
JOB NO:	ROW-132	APPENDIX A

Photo 13 - Looking Southeast toward possible USTs and vent pipes on Parcel 26.

Photo 14 - Suspected UST area on Parcel 27 (Anomaly 4). Area is approx 115 ft northeast of Palmer Street along fence

MULTI MODAL STATION – PROPOSED MAIL AND SERVICE DEPOT
CHARLOTTE, NORTH CAROLINA

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704-586-0007 (p) 704-586-0370 (f)

DATE:	10-18-05	SITE PHOTOGRAPHS
JOB NO:	ROW-132	APPENDIX A

Appendix B

Geophysical Report

Geophysical Survey for Project P-3800, Multi-Modal Station, Charlotte, NC

Geophex Ltd. Job No. 1324

Submitted to:

North Carolina Dept. of Transportation
Geotechnical Engineering Unit
1589 Mail Service Center
Raleigh, NC 27699-1589

Headquarters

Geophex, Ltd.
605 Mercury Avenue
Raleigh, NC 27603

Tel: (919) 839-8515
Fax: (919) 839-8528
Website: www.geophex.com
Email: geophex@geophex.com

August, 2004

1.0 Introduction

From August 1st through 4th, 2005, Geophex personnel performed electromagnetic (EM), magnetic, and ground probing radar (GPR) surveys at three sites (six land parcels) in downtown Charlotte, NC (Figure 1). The purpose of these surveys was to determine the existence of any underground storage tanks (UST's) within the properties owned by NCDOT. This report presents the results of these surveys.

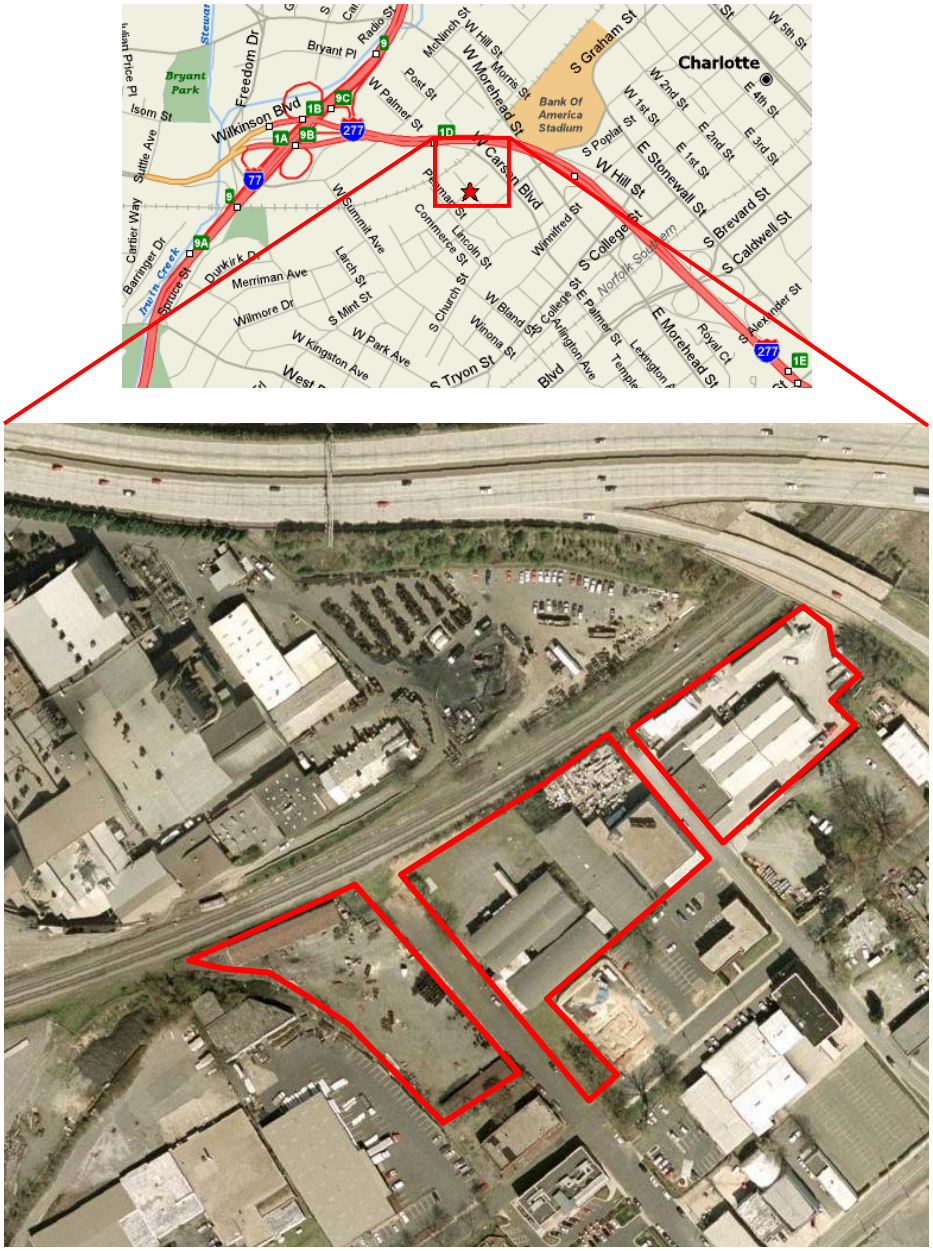


Figure 1. Street location and 2002 aerial photograph of the survey area. Three sites (six land parcels) were surveyed (outlined in red). Most of the buildings pictured within the outlines areas are no longer present.

2.0 Data Acquisition and Processing

EM data were collected at each site using a GEM-2 sensor, manufactured by Geophex (Figure 2). Data were collected simultaneously at three frequencies (10,050, 20,010, and 40,050 Hertz) along parallel tracklines spaced 5 feet apart. Magnetic data were similarly collected at each site using a Model G-858 cesium vapor magnetometer/gradiometer, manufactured by Geometrics (Figure 3). The G-858 has a resolution of 0.1 nanotesla (nT). Following each EM and magnetic survey, data were downloaded to a laptop computer in the field for immediate processing. We assigned spatial (i.e., x, y) coordinates to each sensor reading using standard dead-reckoning procedures. The survey data were gridded, contoured, and displayed in the field on a laptop PC using Oasis Montaj (v. 6.0, Geosoft).

GPR profiles were collected to further investigate EM and magnetic anomalies, and in areas where EM and magnetic data collection were not possible. GPR data were collected using a 250 MHz antenna in conjunction with GroundVision software (v. 1.4.1), both manufactured by MALA GeoScience (Figure 4).

In areas where GEM-2, G-858, or GPR data were compromised by site conditions (physically inaccessible/cluttered with cultural debris or obstacles) an MAC-51BX Magnetic and Dual Frequency Pipe and Cable Locator, manufactured by the Schonstedt Instrument Company, was used. This instrument has the capability of being used as simple hand held magnetic wand locator, or can be coupled to exposed pipe sections (e.g. vent pipes) to induce an EM signal along buried objects that can be traced with the hand held detector (Figure 5).

Geophysical survey grids, cultural features, and anomalies were surveyed using a Trimble Global Positioning System (GPS). GPS data were post processed using Trimble Pathfinder Office (v. 2.90). The data grids have been rectified to North Carolina State Plane coordinates (NAD 83), and overlain on NCDOT plan sheets.

Figure 2. GEM-2 EM sensor

Figure 3. G-858 Magnetic Gradiometer

Figure 4. GPR data collection.

Figure 5. MAC-51 BX locator inductively coupled to vent pipes

3.0 Results

Magnetic Vertical Gradient and EM Conductivity data are shown in Figures 6 and 7 respectively. In general, high EM and magnetic readings are associated with cultural features including adjacent buildings, perimeter fence lines, guardrails, metal sheds, and some abandoned railroad tracks. The magnetic data also show numerous small scale anomalies scattered across the survey area associated with metallic surface items (small pipe sections, rail spikes, large bolts etc.). EM and magnetic anomalies that could not be accounted for by cultural features or surface debris were further investigated using GPR and the Schonstedt locator. Four areas containing anomalous subsurface materials were delineated at the site (Figures 8 and 9).

On the northeastern corner of Parcel 26 (Anomaly 1, Figure8), two vent pipes and abandoned pump island are present. High EM conductivity and magnetic readings are associated with this area. GPR profiles collected over the EM and magnetic highs did not reveal subsurface reflectors consistent with a UST (Figure 10). The Schonstedt locator was coupled to the exposed vent pipe and an EM field was induced along the pipes and subsequently any attached metal. An area approximately 16 ft x 12 ft was marked on the ground at the site based on the response of the EM locator (Figure 9). Although no definitive GPR evidence of a UST was collected, the EM and magnetic data, the induced EM field, combined with existing vent pipes and an abandoned pump island indicate at least one, if not two UST's. Hard packed gravel prevented manual investigation with a probe rod.

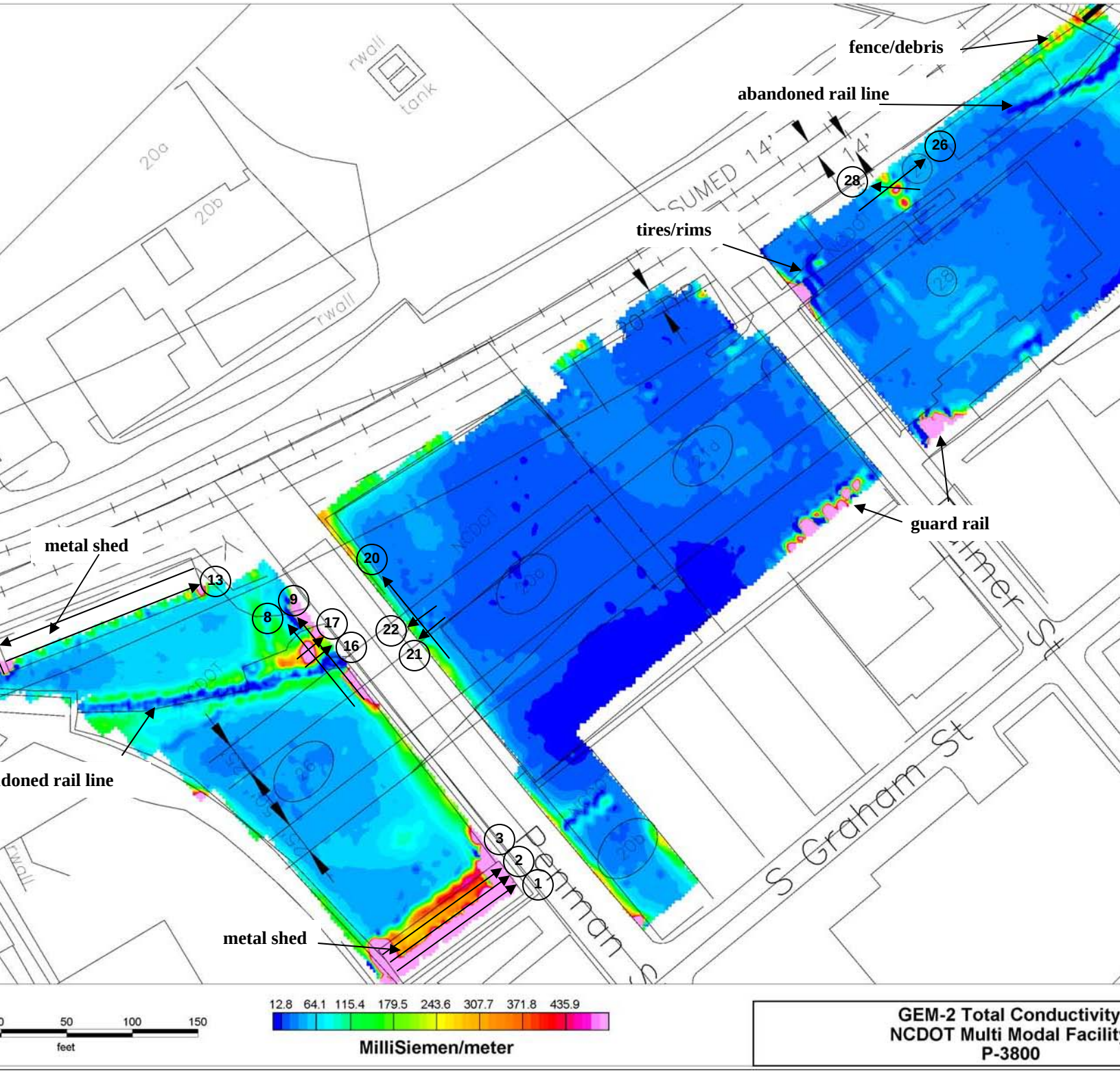


Figure 6. GEM-2 Conductivity Data. Selected GPR profile locations are shown by arrows with profile numbers circled at the end.

Figure 7. Magnetic Vertical Gradient data. Selected GPR profile locations are shown by arrows with profile numbers circled at the end

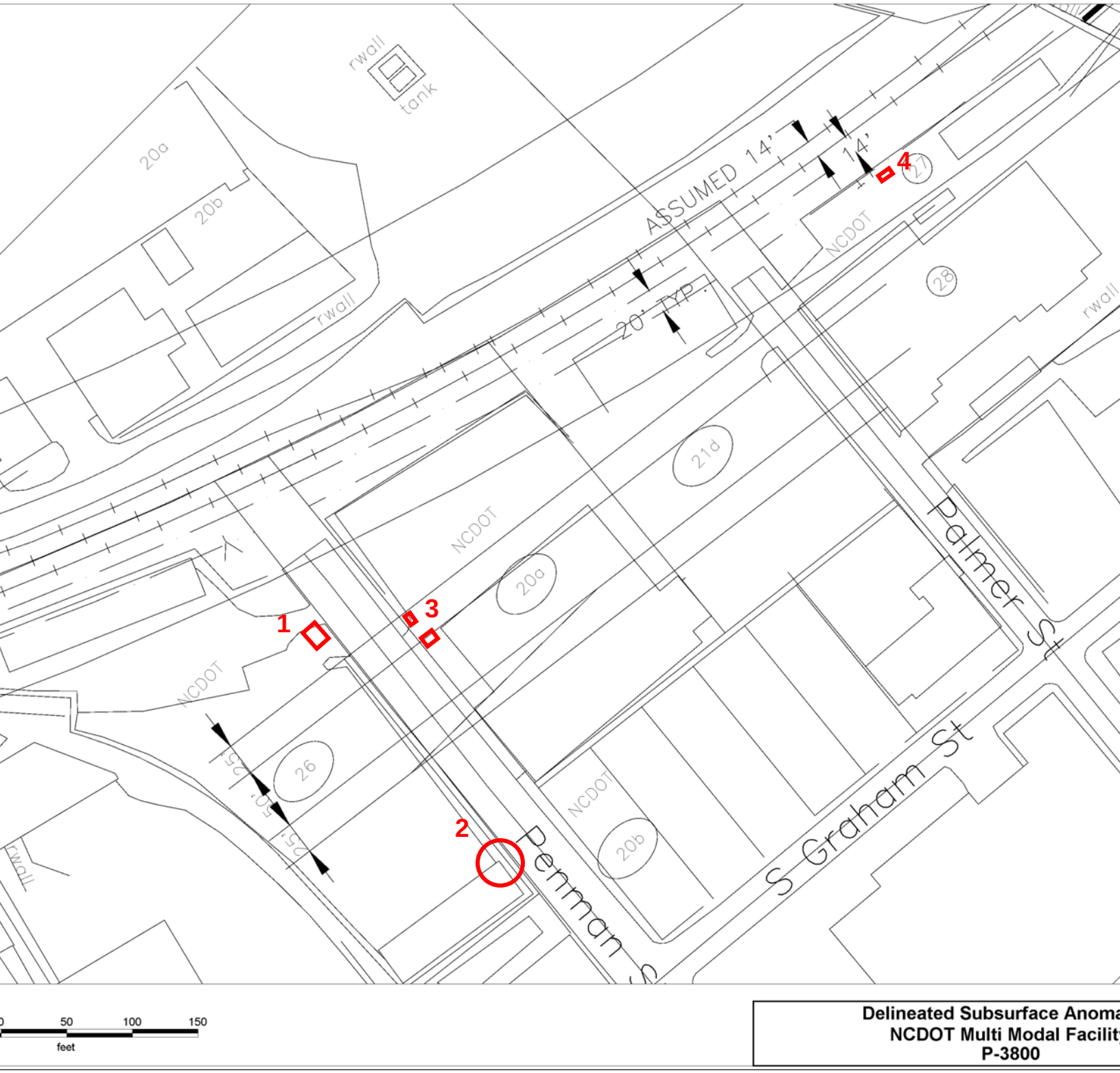
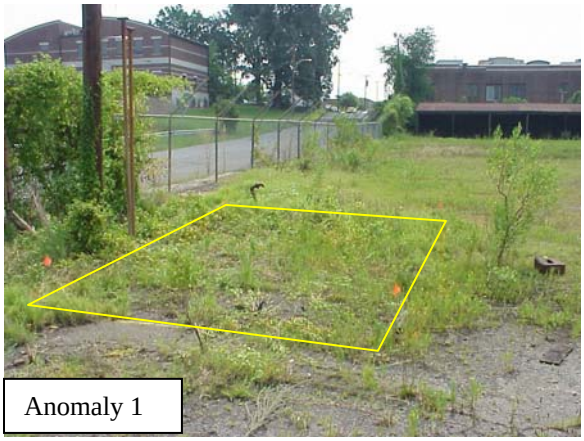
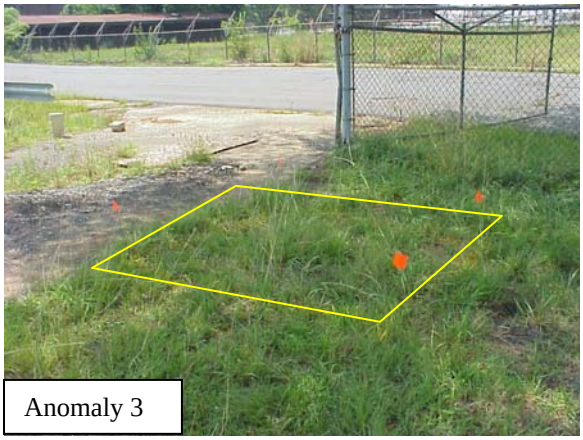
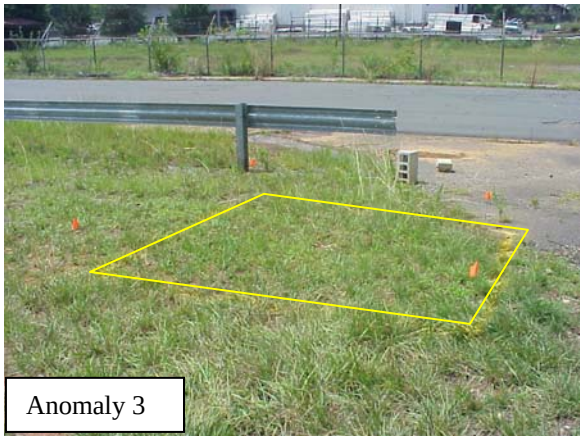


Figure 8. Subsurface anomalies delineated at the site are outlined and numbered in red. See text and Figure 9 for explanation.







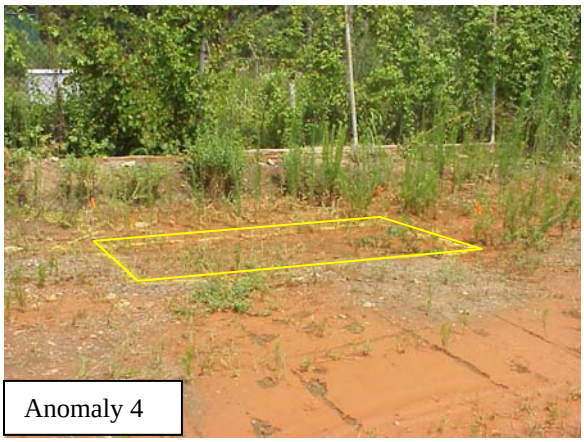


Figure 9. Photographs showing the four anomalous areas discussed. Anomalies 1, 3, and 4 were marked on the ground at the site with yellow paint and the corners marked with orange pin flags. Anomaly 2 is located at the northeast corner of the metal shed at the southern end of parcel 26. A cut off pipe may be an old vent pipe.

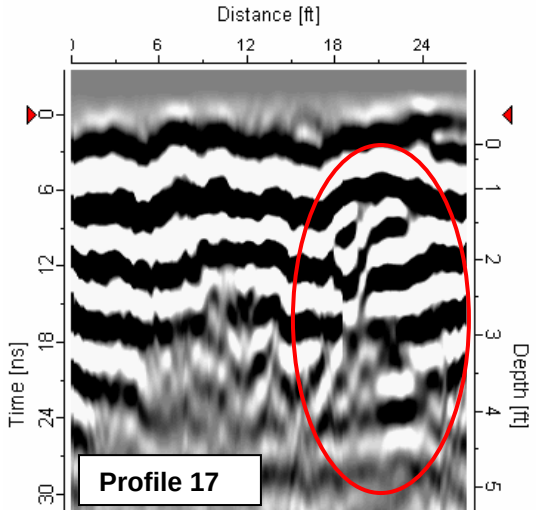


Figure 10. Weak GPR reflector that <u>may</u> indicate a UST cross section at Anomaly 1 location (see Figure 8). Profile location shown in Figures 6 and 7.

In the southeastern corner of Parcel 26 (Anomaly 2, Figure 8), a cut off pipe protrudes from the ground between the eastern fence line and the eastern side of the metal shed in this area. EM and magnetic data are masked by the chain link fence and the metal roof and sides of the shed. GPR data could not be collected around this pipe due to the physical constraints of the fence and the building. The Schonstedt locator was used in both passive (magnetometer) and active (induced EM) modes. No definite tank outline could be determined. Attempts at manual investigation with a probe rod failed to penetrate the ground in this area more than 6 inches. This protruding pipe (possibly a vent pipe) warrants further investigation.

GPR investigation of a magnetic anomaly on the western edge of Parcel 20a (Anomaly 3, Figure 8), showed no evidence of any UST's. GPR data did indicate two buried objects Figure 11). They are located alongside what used to be a driveway (see aerial photo in Figure 1 and Figure 9) and were marked on the ground at the site for further investigation if warranted. EM data show little to no change in this area.

On the northwestern edge of parcel 28 (Anomaly 4, Figure 8), a significant EM conductivity high was investigated with GPR. GPR data show strong subsurface reflectors consistent with a UST (Figures 12 and 13). This anomaly, approximately 3ft x 10ft, was marked on the ground at the site.

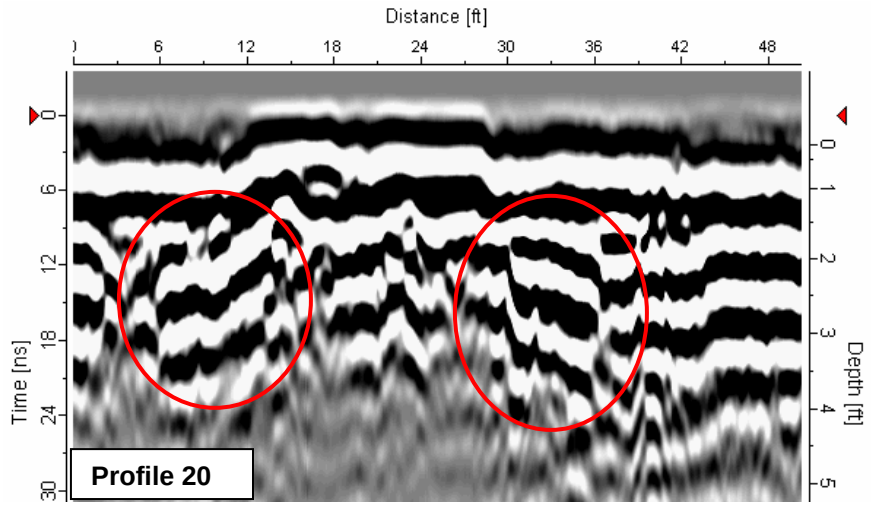


Figure 11. Two subsurface objects indicated in GPR data corresponding to a magnetic anomaly (Anomaly 3, Figure 8). These are not UST's.

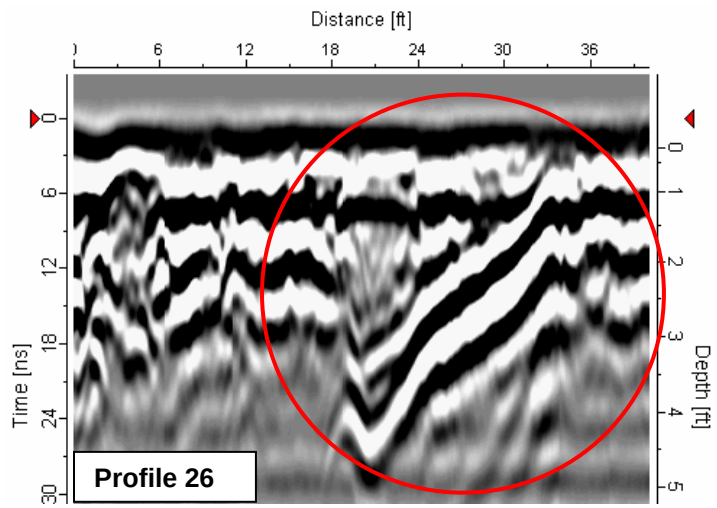


Figure 12. Strong subsurface reflector showing the long axis of a suspected UST (Anomaly 4, Figure 8)

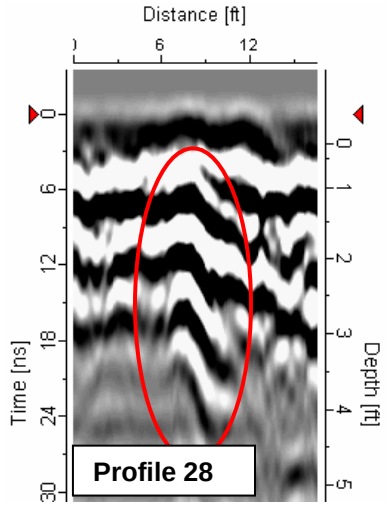


Figure 13. Suspected UST cross section (Anomaly 4, Figure8).

Appendix C

Boring Logs

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB20A-1

Project: Multimodal Site (Proposed Mail Depot)
Job No: ROW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Gravel				
					Dark reddish brown medium fine sandy silt. Very hard from 4 to 6'		0.1	0.1	
							0.1	0.1	
	5						0.1	0.1	
							0.1	0.2	*sample
					Brown to light brown medium fine sandy silt		0.1	0.1	
	10						0.1	0.1	
	15								
	20								
	25								

Completion Depth: 12'
Date Boring Started: 8/8/05
Date Boring Completed: 8/8/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.37N 80°51.518W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB20A-2

Project: Multimodal Site (Proposed Mail Depot)
Job No: ROW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				lt. gray to brown gravel and coarse sand (Fill)				
					reddish brown fine sandy silt		0.2	0.4	
							0.2	0.7	
					dk reddish brown tight silt				
	5						0.2	0.3	
					lt brown medium fine sandy silt				
							0.2	1.0	#sample
							0.1	0.3	
	10								
							0.1	1.2	
	15								
	20								
	25								

Completion Depth: 12 ft
Date Boring Started: 8/9/05
Date Boring Completed: 8/9/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.808 N
80°51.521 W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB20A-3

Project: Multimodal Site (Proposed Mail Depot)
Job No: ROW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0						0.2	1.1	
							0.2	0.4	
					See SB20A-2				
	5						0.2	0.6	
							0.2	0.7	* sampled
							0.2	0.5	
	10								
							0.2	0.4	
	15								
	20								
	25								

Completion Depth: 12 ft
Date Boring Started: 9/9/05
Date Boring Completed: 9/9/05
Engineer/Geologist: Joselyn Harriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.365 N
80°51.520 W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB20A-4

Project: Multimodal Site (Proposed Mail Depot)
Job No: ROW-132
Location: Charlotte NC

Surface Elev: Not Measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				light gray to brown gravel and coarse sand (fill)				
					reddish brown fine sandy silt		0.2	0.5	
							0.3	0.9	
					dk reddish brown tight silt				
	5						0.2	1.2	
					lt brown medium fine sandy silt		0.2	0.3	
							0.2	1.4	
	10								
					Brown fine sandy silt		0.2	0.9	
	15								
	20								
	25								

Completion Depth: 12'
Date Boring Started: 9/9/05
Date Boring Completed: 9/9/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35° 13.367 N
80° 51.519 N

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB20A-5

Project: Multimodal Site (Proposed Mail Depot)
Job No: Now-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Lt Brown Silt Gray Gravel		0.1	0.5	
					Reddish Brown Silty Sand		0.1	0.6	
	5						0.1	0.4	
							0.1	0.3	
							0.1	0.4	
	10				Lt Brown fine sandy silt w/some clay		0.1	0.4	* sampled
	15								
	20								
	25								

Completion Depth: 12 ft
Date Boring Started: 9/9/05
Date Boring Completed: 9/9/05
Engineer/Geologist: Joselyn Horriser
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.385 N
80°51.495 W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB20A-6

Project: Multimodal Site (Proposed Mail Depot)
Job No: NOW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Lt Brown Silt Gray Gravel		0.1	0.5	
					Reddish Brown Silty Sand		0.1	0.2	
	5						0.1	0.4	
							0.1	0.3	
							0.2	0.4	
	10				Lt Brown fine sandy silt w/some clay		0.1	0.4	*Sampled
	15								
	20								
	25								

Completion Depth: 12'
Date Boring Started: 9/9/05
Date Boring Completed: 9/9/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35° 13.374N 80° 51.502W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB20B-1

Project: Multimodal Site (Proposed Mail Depot)
Job No: NOW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				dark brown to reddish brown fine sand and silt (FILL)		0.2	0.2	
					dark reddish brown fine sandy silt		0.2	0.8	
	5						0.2	0.5	
					Gravel				
					light brown sandy silt		0.1	0.3	
							0.2	0.6	
	10						0.2	0.6	
	15				Pushed probe from 12 to 21.5 ft (No samples)				
	20								
					DPT refusal @ 21.5 ft (No water after 2 hrs)				
	25								

Completion Depth: 21.5
Date Boring Started: 6/9/05
Date Boring Completed: 6/9/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.344N 80°51.491W

Revision	DrawnBy	Date	Checked	Approved

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A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB 21D-1

Project: Multimodal Site (Proposed Mail Depot)
Job No: NOW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Black staining to 3"				sampled surface soil
							0.1	0.3	
					Reddish brown silty fine sand				
							0.1	0.1	
	5						0.1	0.1	X sampled
							0.1	0.3	
							0.1	0.1	
	10				lt Brown to lt reddish brown fine sandy silt				
							0.1	0.1	
	15								
	20								
	25								

Completion Depth: 12
Date Boring Started: 6/8/05
Date Boring Completed: 6/8/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35° 13.344 N
80° 51.480 W

Revision	DrawnBy	Date	Checked	Approved

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2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING S3.2/D-2

Project: Multimodal Site (Proposed Mail Depot)
Job No: 20W-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Reddish Brown fine sand				
					Lt. Brown medium sand		0.3	1.0	
					reddish brown medium fine sand		0.2	0.4	
	5						0.2	0.5	
					lt brown fine to very fine sand		0.2	0.3	
							0.2	0.4	
	10						0.2	1.0	
	15				Probe pushed to 26 ft (No samples)				
	20								
	25				Probe pushed to 26 ft (refusal), dry				

Completion Depth: 26'
Date Boring Started:
Date Boring Completed:
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.402N 80°51.474W

Revision	DrawnBy	Date	Checked	Approved

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A Professional Corporation
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Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB-26-1

Project: Multimodal Site (Proposed Mail Depot)
Job No: ROW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				0-1" wood + gravel; 1" - 2" Asphault				
					2" - 3' Dark reddish brown (Very little silty) Clay		0.2	1.6	
					Brown fine sandy silty clay		0.1	0.3	
	5				yellowish brown clayey reddish fine sandy silt RES.		0.2	1.2	
							0.2	1.6	
	10				light brown to gray fine sandy silty clay RES. *slight odor at 10' ~ wet at approx. 12'		0.2	0.8	*sampled
							0.2	0.5	
							0.2	0.8	
	15				light gray to white fine to very fine sand		0.2	1.1	
					Probe Refusal @ 15' - PWR				
	20								
	25								

Completion Depth: 15'
Date Boring Started: 9/8/05
Date Boring Completed: 9/8/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.364N 80°51.541W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB26-2

Project: Multimodal Site
Job No: ROW-132
Location: Charlotte, NC

Surface Elev:
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				0-1" wood + gravel; 1" - 2" Asphault				
	2"				2" - 3' Dark reddish brown (Very little silty) Clay		0.0	*	odor was from cedar and asphault.
	3				Brown fine sandy silty clay		0.2	0.3	
	4								
	5				yellowish brown clayey reddish fine sandy silt RES.		0.3	0.9	
							0.2	0.6	
	8				light brown to gray fine sandy silty clay RES. *slight odor at 10'		0.2	1.6	
	10						0.2	0.7	* sampled
	12				~ wet at approx. 12'		0.2	0.4	
	14				light gray to white fine to very fine sand				
	15				Probe Refusal @ 15' - PWR		0.2	0.6	
	20								
	25								

Completion Depth: 15'
Date Boring Started: 9/8/2005
Date Boring Completed: 9/8/2005
Engineer/Geologist: Joselyn Harriger
Drilling Contractor: Probe Technologies, Inc.

Remarks: 35°13.362N 80°51.540W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB26-3

Project: Multimodal Site
Job No: ROW-132
Location: Charlotte, NC

Surface Elev:
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Grayish brown fill; gravel to fine sand		0.2	0.4	
	3				Light yellowish brown silty m-f sands (RES)		0.2	1.9	
	5						0.2	1.2	
							0.2	0.7	
	8				Dark reddish brown silty m-f sand				
	9						0.2	1.5	* sampled
	10				Dark brown to gray clayey medium to fine sandy silt		0.2	1.2	
	13				13' Small chunck of wood; Root?		0.2	0.6	
	14				Lt. gray PWR; very fine sandy silt		0.2	1.2	
	15.5				Probe refusal at 15.5'				
	20								
	25								

Completion Depth: 15.5'
Date Boring Started: 9/8/05
Date Boring Completed: 9/8/05
Engineer/Geologist: Joselyn Harriger
Drilling Contractor: Probe Technologies, Inc.

Remarks: 35°13.362N
80°51.539W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB-26-4

Project: Multimodal Site (Proposed Mail Depot)
Job No: ROW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				topsoil, gravel		0.2	0.9	
					dk reddish brown silt				
					lt. brown to white medium fine sand		0.2	0.7	
					reddish brown medium fine sandy silt				
	5						0.2	2.6	
							0.2	0.5	
					Brown to gray fine sandy silt (Piece of glass at 10 ft)		0.2	0.8	* sampled
	10				Dark brown to gray silty sand		0.2	0.5	
							0.1	0.4	
	15				Sandy silt & PWR		0.2	0.6	
					Probe refusal @ 16'				
	20								
	25								

Completion Depth: 16'
Date Boring Started: 9/8/05
Date Boring Completed: 9/8/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35° 13.362 N
80° 57.540 W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB-26-5

Project: Multimodal Site (Proposed Mail Depot)
Job No: NOW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Gravel				
					Dark reddish sandy silt		0.2	1.0	
							0.3	0.8	
	5						0.3	1.0	
							0.2	1.0	
					lt brown sandy silt				
					light brown to white silt w PWR		0.1	0.7	* sample
	10						0.2	0.7	
							0.3	0.8	
	15						0.6	0.7	
					Refusal @ 15.5 ft				
	20								
	25								

Completion Depth: 15.5'
Date Boring Started: 9/6/05
Date Boring Completed: 9/6/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.339N
80° 51.519W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB-26 6

Project: Multimodal Site (Proposed Mail Depot)
Job No: Row-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				concrete				
					Brown silty clay		0.3	0.6	
					Reddish brown silty sand		0.6	1.2	
	5						0.2	1.1	
					reddish brown fine sandy silt		0.2	1.2	
							0.4	0.8	
	10						0.3	1.5	*Sampled
					lt. brown sandy silt w PWR		0.3	1.4	
					Refusal at 13.5'				
	15								
	20								
	25								

Completion Depth:
Date Boring Started: 9/8/05
Date Boring Completed: 9/8/05
Engineer/Geologist: Joselyn Harriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.360N 80°51.545W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB26-7

Project: Multimodal Site (Proposed Mail Depot)
Job No: ROW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Asphalt at surface Black staining thru 6" Gravel fill and Medium fine sand ~~Black stai~~		0.4	0.8	* sampled
					Reddish brown fine sandy silt		1.0	1.5	
					~~Lt~~ Lt Brown fine sand and PWR		0.3	0.9	
	5				DPT refusal @ 6'				
	10								
	15								
	20								
	25								

Completion Depth: 6'
Date Boring Started: 9/5/05
Date Boring Completed: 9/5/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.373N
80°51.572W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB27-1

Project: Multimodal Site (Proposed Mail Depot)
Job No: NOW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Brown topsoil		0.2	0.3	
					Gray gravel				
					DK Brown medium fine sand		0.2	1.0	
	5						0.2	0.6	
					DK Brown fine sandy silt (Chunk of glass at 10ft)		0.2	1.1	* sample
							0.1	0.2	
	10						0.2	0.6	
	15								
	20								
	25								

Completion Depth: 12 ft
Date Boring Started: 8/4/05
Date Boring Completed: 8/4/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.420N 80°51.448W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
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Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB27-2

Project: Multimodal Site (Proposed Mail Depot)
Job No: ROW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				DK Reddish Brown silty sand		0.7	0.2	
							0.1	0.5	
					Lt Brown, gravel, coarse sand				
	5				Lt Brown coarse gravel		0.2	0.3	
					Reddish Brown fine sandy silt		0.2	0.1	*sample
					Lt Brown fine sandy silt		0.1	0.2	
	10						0.2	0.5	
	15								
	20								
	25								

Completion Depth: 12 ft
Date Boring Started: 8/9/05
Date Boring Completed: 8/9/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.421 N
80° 51.449 W

Revision	DrawnBy	Date	Checked	Approved

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(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB-27-3

Project: Multimodal Site (Proposed Mail Depot)
Job No: ROW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Concrete		0.1	0.3	
					Dk Reddish Brown silty sand		0.1	0.2	
					Lt Brown gravel and sand		0.1	0.7	
	5				Reddish Brown fine sandy silt		0.1	0.1	* Sampled
					Lt Brown to Brown silty sand		0.1	0.3	
	10						0.1	0.4	
					Reddish Brown medium fine sandy silt		0.1	0.3	
	15						0.1	0.2	
	20								
	25								

Completion Depth: 16 ft
Date Boring Started: 9/8/05
Date Boring Completed: 9/8/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35°13.420N 80°51.445W

Revision	DrawnBy	Date	Checked	Approved

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LOG OF BORING: SB-27-4

Project: Multimodal Site (Proposed Rail Depot)
Job No: RCW-622
Location: Charlotte NC

Surface Elev: Not Measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				DK Reddish Brown silty sand		0.1	0.3	
							0.1	1.4	* Sampled
					Lt Brown, gravel, coarse sand				
	5				Lt Brown coarse gravel		0.1	0.3	
					Reddish Brown fine sandy silt		0.1	0.2	* Sampled
							0.1	0.2	
	10								
					LT Brown fine sandy silt		0.1	0.3	
	15								
	20								
	25								

Completion Depth: 13 ft
Date Boring Started: 4/9/05
Date Boring Completed: 4/9/01
Engineer/Geologist: Jocelyn Harrison
Drilling Contractor: Probe Technologies

Remarks: 35°13.421 N
80° 51.451 W

Revision	DrawnBy	Date	Checked	Approved

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A Professional Corporation
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Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB28-1

Project: Multimodal Site (Proposed Mail Depot)
Job No: NOW-132
Location: Charlotte NC

Surface Elev: Not measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Reddish Brown fine sandy silt		0.1	0.6	
					Brown, fine sandy silt				
					Lt Brown Sandy Silt		0.1	0.3	
	5						0.1	0.3	
					Lt Brown sandy clayey silt		0.1	0.4	
					Same as above		0.1	0.1	
	10						0.1	0.6	* sampled
	15								
	20								
	25								

Completion Depth: 12 ft
Date Boring Started: 9/9/05
Date Boring Completed: 9/9/05
Engineer/Geologist: Joselyn Horriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35° 13.400N
80° 51.432W

Revision	DrawnBy	Date	Checked	Approved

Hart & Hickman
A Professional Corporation
2923 South Tryon Street, Suite 100
Charlotte, North Carolina
(704)586-0007 (704)586-0373-fax

LOG OF BORING: SB 28-2

Project: Multimodal Site (Proposed Mail Depot)
Job No: ROW-132
Location: Charlotte NC

Surface Elev: Not Measured
Top of Casing Elev:
Drilling Rig/Method: DPT
Sampling Method:

Elevation, feet	Depth, feet	Sampler Graphics	USCS Symbol	Recovery %	MATERIAL DESCRIPTION (The stratification lines represent approximate boundaries. The transition may be gradual.)	SPT, Blow Counts	OVA (ppm) BKG.	OVA (ppm) SAMP.	WELL DIAGRAM
	0				Reddish Brown fine sandy silt		0.2	0.6	
					Brown, fine sandy silt				
					Lt Brown Sandy Silt		0.2	0.8	* sampled
	5						0.1	0.4	
					Lt Brown sandy clayey silt		0.2	0.6	
					Same as above		0.2	0.5	
	10						0.1	0.3	* sampled
	15								
	20								
	25								

Completion Depth: 12 ft
Date Boring Started: 9/9/05
Date Boring Completed: 9/9/05
Engineer/Geologist: Joselyn Harriger
Drilling Contractor: Probe Technologies, Inc

Remarks: 35° 13.399 N
80° 51.436 W

Revision	DrawnBy	Date	Checked	Approved

Appendix D

Laboratory Report

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

September 28, 2005

Mr. Christopher A. Peoples
NC DOT
Materials & Test Unit
1801 Blue Ridge Road
Raleigh, NC 27607

RE: Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Dear Mr. Peoples:

Enclosed are the analytical results for sample(s) received by the laboratory on September 9, 2005. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Annette Scott

Annette Scott
Annette.Scott@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

*****ALL QC IS NOT COMPLETE FOR QC SAMPLE(S):**

Pace Analytical
www.pacelabs.com

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9800 Kincey Avenue, Suite 100
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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Solid results are reported on a dry weight basis

Lab Sample No: 926075482 Project Sample Number: 92102806-001 Date Collected: 09/08/05 12:50
Client Sample ID: SB26-2(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	19.4	%		1.0	09/12/05 11:29	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.2	1.2	09/22/05 01:56	KBS	68334-30-5		
n-Pentacosane (S)	68	%		1.0	09/22/05 01:56	KBS	629-99-2		
Date Extracted	09/15/05				09/15/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	4.6	0.9	09/14/05 07:05	DHW			
4-Bromofluorobenzene (S)	92	%		1.0	09/14/05 07:05	DHW	460-00-4		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	120	1.2	09/22/05 18:34	DLK	67-64-1		
Benzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	71-43-2		
Bromobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	75-27-4		
Bromoform	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	75-25-2		
Bromomethane	ND	ug/kg	12.	1.2	09/22/05 18:34	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	120	1.2	09/22/05 18:34	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	108-90-7		
Chloroethane	ND	ug/kg	12.	1.2	09/22/05 18:34	DLK	75-00-3		
Chloroform	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	67-66-3		
Chloromethane	ND	ug/kg	12.	1.2	09/22/05 18:34	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	106-93-4		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648

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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075482 Project Sample Number: 92102806-001 Date Collected: 09/08/05 12:50
Client Sample ID: SB26-2(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Dibromomethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	12.	1.2	09/22/05 18:34	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	87-68-3		
2-Hexanone	ND	ug/kg	62.	1.2	09/22/05 18:34	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	99-87-6		
Methylene chloride	9.0	ug/kg	6.2	1.2	09/22/05 18:34	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.	1.2	09/22/05 18:34	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	1634-04-4		
Naphthalene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	103-65-1		
Styrene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	127-18-4		
Toluene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	79-00-5		
Trichloroethene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	96-18-4		

Asheville Certification IDs
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SC Environmental 99030
FL NELAP E87648

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SC 99006
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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075482 Project Sample Number: 92102806-001 Date Collected: 09/08/05 12:50
Client Sample ID: SB26-2(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	62.	1.2	09/22/05 18:34	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	09/22/05 18:34	DLK	75-01-4		
Xylene (Total)	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	09/22/05 18:34	DLK			
o-Xylene	ND	ug/kg	6.2	1.2	09/22/05 18:34	DLK	95-47-6		
Toluene-d8 (S)	95	%		1.0	09/22/05 18:34	DLK	2037-26-5		
4-Bromofluorobenzene (S)	81	%		1.0	09/22/05 18:34	DLK	460-00-4		
Dibromofluoromethane (S)	95	%		1.0	09/22/05 18:34	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	89	%		1.0	09/22/05 18:34	DLK	17060-07-0		

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SC Environmental 99030
FL NELAP E87648

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075490 Project Sample Number: 92102806-002 Date Collected: 09/08/05 13:28
Client Sample ID: SB26-3(8-10) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	22.6	%		1.0	09/12/05 11:30	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.5	1.3	09/22/05 02:26	KBS	68334-30-5		
n-Pentacosane (S)	61	%		1.0	09/22/05 02:26	KBS	629-99-2		
Date Extracted	09/15/05				09/15/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.3	1.1	09/14/05 07:35	DHW			
4-Bromofluorobenzene (S)	90	%		1.0	09/14/05 07:35	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075508 Project Sample Number: 92102806-003 Date Collected: 09/08/05 13:37
Client Sample ID: SB26-4(8-10) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	20.9	%		1.0	09/12/05 14:01	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.3	1.3	09/22/05 02:56	KBS	68334-30-5		
n-Pentacosane (S)	61	%		1.0	09/22/05 02:56	KBS	629-99-2		
Date Extracted	09/15/05				09/15/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.1	1.0	09/14/05 08:06	DHW			
4-Bromofluorobenzene (S)	94	%		1.0	09/14/05 08:06	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075516 Project Sample Number: 92102806-004 Date Collected: 09/08/05 13:47
Client Sample ID: SB26-1(8-10) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	22.0	%		1.0	09/12/05 14:01	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	7.2	mg/kg	6.4	1.3	09/22/05 02:56	KBS	68334-30-5		
n-Pentacosane (S)	71	%		1.0	09/22/05 02:56	KBS	629-99-2		
Date Extracted	09/15/05				09/15/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.7	1.1	09/14/05 08:36	DHW			
4-Bromofluorobenzene (S)	94	%		1.0	09/14/05 08:36	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075524 Project Sample Number: 92102806-005 Date Collected: 09/08/05 13:56
Client Sample ID: SB26-3A(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	19.3	%		1.0	09/12/05 14:02	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.2	1.2	09/22/05 01:26	KBS	68334-30-5		
n-Pentacosane (S)	64	%		1.0	09/22/05 01:26	KBS	629-99-2		
Date Extracted	09/15/05				09/15/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	4.9	1.0	09/14/05 09:06	DHW			
4-Bromofluorobenzene (S)	95	%		1.0	09/14/05 09:06	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075532 Project Sample Number: 92102806-006 Date Collected: 09/08/05 14:09
Client Sample ID: SB26-2A(10-11) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	17.2	%		1.0	09/12/05 14:02	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.0	1.2	09/22/05 00:56	KBS	68334-30-5		
n-Pentacosane (S)	77	%		1.0	09/22/05 00:56	KBS	629-99-2		
Date Extracted	09/15/05				09/15/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	4.6	0.9	09/14/05 09:36	DHW			
4-Bromofluorobenzene (S)	92	%		1.0	09/14/05 09:36	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075540 Project Sample Number: 92102806-007 Date Collected: 09/08/05 15:57
Client Sample ID: SB26-7(0-1.5) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	19.0	%		1.0	09/12/05 14:26	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	270	mg/kg	31.	6.2	09/22/05 03:26	KBS	68334-30-5		
n-Pentacosane (S)	197	%		1.0	09/22/05 03:26	KBS	629-99-2	1	
Date Extracted	09/15/05				09/15/05				
Oil & Grease in Soil	Method: EPA 9071B								
Oil and Grease	1600	mg/kg	210	1.2	09/13/05 11:34	CAH			
Oil & Grease, Soil, Silica Gel	Method: EPA 9071B								
Oil and Grease	450	mg/kg	210	1.2	09/14/05 16:41	SM1			
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	6.8	1.4	09/14/05 11:07	DHW			
4-Bromofluorobenzene (S)	106	%		1.0	09/14/05 11:07	DHW	460-00-4		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	120	1.2	09/22/05 18:54	DLK	67-64-1		
Benzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	71-43-2		
Bromobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	75-27-4		
Bromoform	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	75-25-2		
Bromomethane	ND	ug/kg	12.	1.2	09/22/05 18:54	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	120	1.2	09/22/05 18:54	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	108-90-7		
Chloroethane	ND	ug/kg	12.	1.2	09/22/05 18:54	DLK	75-00-3		
Chloroform	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	67-66-3		
Chloromethane	ND	ug/kg	12.	1.2	09/22/05 18:54	DLK	74-87-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075540 | Project Sample Number: 92102806-007 | Date Collected: 09/08/05 15:57
Client Sample ID: SB26-7(0-1.5) | Matrix: Soil | Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	106-93-4		
Dibromomethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	12.	1.2	09/22/05 18:54	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	87-68-3		
2-Hexanone	ND	ug/kg	62.	1.2	09/22/05 18:54	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	99-87-6		
Methylene chloride	87.	ug/kg	6.2	1.2	09/22/05 18:54	DLK	75-09-2	2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.	1.2	09/22/05 18:54	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	1634-04-4		
Naphthalene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	103-65-1		
Styrene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	79-34-5		
Tetrachloroethene	55.	ug/kg	6.2	1.2	09/22/05 18:54	DLK	127-18-4		
Toluene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	120-82-1		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075540 Project Sample Number: 92102806-007 Date Collected: 09/08/05 15:57
Client Sample ID: SB26-7(0-1.5) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	79-00-5		
Trichloroethene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	62.	1.2	09/22/05 18:54	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	09/22/05 18:54	DLK	75-01-4		
Xylene (Total)	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	09/22/05 18:54	DLK			
o-Xylene	ND	ug/kg	6.2	1.2	09/22/05 18:54	DLK	95-47-6		
Toluene-d8 (S)	88	%		1.0	09/22/05 18:54	DLK	2037-26-5		
4-Bromofluorobenzene (S)	60	%		1.0	09/22/05 18:54	DLK	460-00-4		
Dibromofluoromethane (S)	132	%		1.0	09/22/05 18:54	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	122	%		1.0	09/22/05 18:54	DLK	17060-07-0		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075557 Project Sample Number: 92102806-008 Date Collected: 09/08/05 17:02
Client Sample ID: SB20A-1(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	12.8	%		1.0	09/12/05 14:26	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	5.7	1.1	09/22/05 00:56	KBS	68334-30-5		
n-Pentacosane (S)	124	%		1.0	09/22/05 00:56	KBS	629-99-2		
Date Extracted	09/15/05				09/15/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	4.6	0.9	09/14/05 11:37	DHW			
4-Bromofluorobenzene (S)	93	%		1.0	09/14/05 11:37	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075565 Project Sample Number: 92102806-009 Date Collected: 09/08/05 17:09
Client Sample ID: SB26-2(15) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	11.3	%		1.0	09/12/05 14:27	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	5.6	1.1	09/22/05 01:26	KBS	68334-30-5		
n-Pentacosane (S)	85	%		1.0	09/22/05 01:26	KBS	629-99-2		
Date Extracted	09/15/05				09/15/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	4.1	0.8	09/14/05 12:07	DHW			
4-Bromofluorobenzene (S)	90	%		1.0	09/14/05 12:07	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075573 Project Sample Number: 92102806-010 Date Collected: 09/08/05 17:20
Client Sample ID: SB21D-1(4-6) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.6	%		1.0	09/12/05 14:27	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.4	1.3	09/22/05 01:56	KBS	68334-30-5		
n-Pentacosane (S)	86	%		1.0	09/22/05 01:56	KBS	629-99-2		
Date Extracted	09/15/05				09/15/05				
Oil & Grease in Soil	Method: EPA 9071B								
Oil and Grease	ND	mg/kg	210	1.3	09/13/05 11:34	CAH			
Oil & Grease, Soil, Silica Gel	Method: EPA 9071B								
Oil and Grease	ND	mg/kg	210	1.3	09/14/05 16:41	SM1			
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.1	1.0	09/14/05 12:37	DHW			
4-Bromofluorobenzene (S)	89	%		1.0	09/14/05 12:37	DHW	460-00-4		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	180	ug/kg	130	1.3	09/21/05 16:49	DLK	67-64-1		
Benzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	71-43-2		
Bromobenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	75-27-4		
Bromoform	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	75-25-2		
Bromomethane	ND	ug/kg	13.	1.3	09/21/05 16:49	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	130	1.3	09/21/05 16:49	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	108-90-7		
Chloroethane	ND	ug/kg	13.	1.3	09/21/05 16:49	DLK	75-00-3		
Chloroform	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	67-66-3		
Chloromethane	ND	ug/kg	13.	1.3	09/21/05 16:49	DLK	74-87-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075573 Project Sample Number: 92102806-010 Date Collected: 09/08/05 17:20
Client Sample ID: SB21D-1(4-6) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	106-93-4		
Dibromomethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	13.	1.3	09/21/05 16:49	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	87-68-3		
2-Hexanone	ND	ug/kg	64.	1.3	09/21/05 16:49	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	99-87-6		
Methylene chloride	51.	ug/kg	6.4	1.3	09/21/05 16:49	DLK	75-09-2	2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	64.	1.3	09/21/05 16:49	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	1634-04-4		
Naphthalene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	103-65-1		
Styrene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	127-18-4		
Toluene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	120-82-1		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075573 Project Sample Number: 92102806-010 Date Collected: 09/08/05 17:20
Client Sample ID: SB21D-1(4-6) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	79-00-5		
Trichloroethene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	64.	1.3	09/21/05 16:49	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	13.	1.3	09/21/05 16:49	DLK	75-01-4		
Xylene (Total)	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	1330-20-7		
m&p-Xylene	ND	ug/kg	13.	1.3	09/21/05 16:49	DLK			
o-Xylene	ND	ug/kg	6.4	1.3	09/21/05 16:49	DLK	95-47-6		
Toluene-d8 (S)	100	%		1.0	09/21/05 16:49	DLK	2037-26-5		
4-Bromofluorobenzene (S)	93	%		1.0	09/21/05 16:49	DLK	460-00-4		
Dibromofluoromethane (S)	93	%		1.0	09/21/05 16:49	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	83	%		1.0	09/21/05 16:49	DLK	17060-07-0		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075581 | Project Sample Number: 92102806-011 | Date Collected: 09/08/05 17:27
Client Sample ID: SB21D-1(0) | Matrix: Soil | Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Trace ICP Metals, TCLP Leach.	Method: EPA 6010								
Date Digested	09/14/05 03:00				09/14/05 03:00				
Trace ICP Metals, TCLP Leach.	Prep/Method: EPA 3010 / EPA 6010								
Arsenic	ND	mg/l	0.025	1.0	09/17/05 08:00	ALV	7440-38-2		
Barium	0.75	mg/l	0.025	1.0	09/17/05 08:00	ALV	7440-39-3		
Cadmium	ND	mg/l	0.0050	1.0	09/17/05 08:00	ALV	7440-43-9		
Chromium	ND	mg/l	0.010	1.0	09/17/05 08:00	ALV	7440-47-3		
Lead	0.034	mg/l	0.025	1.0	09/17/05 08:00	ALV	7439-92-1		
Selenium	ND	mg/l	0.025	1.0	09/17/05 08:00	ALV	7782-49-2		
Silver	ND	mg/l	0.010	1.0	09/17/05 08:00	ALV	7440-22-4		
Date Digested	09/15/05 02:15				09/15/05 02:15				
Mercury, CVAAS, TCLP Leachate	Method: EPA 7470								
Mercury	ND	mg/l	0.00020	1.0	09/15/05 01:30	SHB	7439-97-6		
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	11.5	%		1.0	09/12/05 14:27	KBM			
GC/MS Semivolatiles									
Semivolatile Organics	Prep/Method: EPA 3545 / EPA 8270								
Acenaphthene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	83-32-9		
Acenaphthylene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	208-96-8		
Anthracene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	120-12-7		
Benzo(k)fluoranthene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	207-08-9		
Benzo(b)fluoranthene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	205-99-2		
Benzo(a)anthracene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	56-55-3		
Benzoic acid	ND	ug/kg	93000	56.5	09/17/05 10:38	BET	65-85-0		
Benzo(g,h,i)perylene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	191-24-2		
Benzyl alcohol	ND	ug/kg	37000	56.5	09/17/05 10:38	BET	100-51-6		
Benzo(a)pyrene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	50-32-8		
4-Bromophenylphenyl ether	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	101-55-3		
Butylbenzylphthalate	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	85-68-7		
4-Chloro-3-methylphenol	ND	ug/kg	37000	56.5	09/17/05 10:38	BET	59-50-7		
4-Chloroaniline	ND	ug/kg	37000	56.5	09/17/05 10:38	BET	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	111-44-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075581 Project Sample Number: 92102806-011 Date Collected: 09/08/05 17:27
Client Sample ID: SB21D-1(0) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
bis(2-Chloroisopropyl) ether	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	39638-32-9		
2-Chloronaphthalene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	91-58-7		
2-Chlorophenol	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	7005-72-3		
Chrysene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	218-01-9		
Dibenz(a,h)anthracene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	53-70-3		
Dibenzofuran	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	132-64-9		
1,2-Dichlorobenzene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/kg	37000	56.5	09/17/05 10:38	BET	91-94-1		
2,4-Dichlorophenol	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	120-83-2		
Diethylphthalate	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	84-66-2		
2,4-Dimethylphenol	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	105-67-9		
Dimethylphthalate	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	131-11-3		
Di-n-butylphthalate	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	534-52-1		
2,4-Dinitrophenol	ND	ug/kg	93000	56.5	09/17/05 10:38	BET	51-28-5		
2,4-Dinitrotoluene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	121-14-2		
2,6-Dinitrotoluene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	606-20-2		
Di-n-octylphthalate	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	117-84-0		
1,2-Diphenylhydrazine	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	122-66-7		
bis(2-Ethylhexyl)phthalate	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	117-81-7		
Fluoranthene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	206-44-0		
Fluorene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	86-73-7		
Hexachloro-1,3-butadiene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	87-68-3		
Hexachlorobenzene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	118-74-1		
Hexachlorocyclopentadiene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	77-47-4		
Hexachloroethane	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	193-39-5		
Isophorone	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	78-59-1		
2-Methylnaphthalene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	91-57-6		
2-Methylphenol (o-Cresol)	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	95-48-7		
3&4-Methylphenol	ND	ug/kg	19000	56.5	09/17/05 10:38	BET			
Naphthalene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	91-20-3		
2-Nitroaniline	ND	ug/kg	93000	56.5	09/17/05 10:38	BET	88-74-4		
3-Nitroaniline	ND	ug/kg	93000	56.5	09/17/05 10:38	BET	99-09-2		
4-Nitroaniline	ND	ug/kg	93000	56.5	09/17/05 10:38	BET	100-01-6		
Nitrobenzene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	98-95-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075581 Project Sample Number: 92102806-011 Date Collected: 09/08/05 17:27
Client Sample ID: SB21D-1(0) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
2-Nitrophenol	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	88-75-5		
4-Nitrophenol	ND	ug/kg	93000	56.5	09/17/05 10:38	BET	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	621-64-7		
N-Nitrosodiphenylamine	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	86-30-6		
Pentachlorophenol	ND	ug/kg	93000	56.5	09/17/05 10:38	BET	87-86-5		
Phenanthrene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	85-01-8		
Phenol	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	108-95-2		
Pyrene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	120-82-1		
2,4,5-Trichlorophenol	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	95-95-4		
2,4,6-Trichlorophenol	ND	ug/kg	19000	56.5	09/17/05 10:38	BET	88-06-2		
Nitrobenzene-d5 (S)	0	%		1.0	09/17/05 10:38	BET	4165-60-0	3,4,5	
2-Fluorobiphenyl (S)	0	%		1.0	09/17/05 10:38	BET	321-60-8	3,4,5	
Terphenyl-d14 (S)	0	%		1.0	09/17/05 10:38	BET	1718-51-0	3,4,5	
Phenol-d5 (S)	0	%		1.0	09/17/05 10:38	BET	4165-62-2	3,4,5	
2-Fluorophenol (S)	0	%		1.0	09/17/05 10:38	BET	367-12-4	3,4,5	
2,4,6-Tribromophenol (S)	0	%		1.0	09/17/05 10:38	BET	118-79-6	3,4,5	
Date Extracted	09/15/05				09/15/05				

GC Semivolatiles

TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	22000	mg/kg	2800	565	09/22/05 15:30	KBS	68334-30-5		
n-Pentacosane (S)	0	%		1.0	09/22/05 15:30	KBS	629-99-2	3	
Date Extracted	09/15/05				09/15/05				
Oil & Grease in Soil	Method: EPA 9071B								
Oil and Grease	65000	mg/kg	190	1.1	09/13/05 11:35	CAH			
Oil & Grease, Soil, Silica Gel	Method: EPA 9071B								
Oil and Grease	32000	mg/kg	190	1.1	09/14/05 16:41	SM1			

GC Volatiles

GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	8.6	mg/kg	5.7	1.1	09/14/05 13:07	DHW			
4-Bromofluorobenzene (S)	90	%		1.0	09/14/05 13:07	DHW	460-00-4		

GC/MS Volatiles

GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	5700	56.5	09/22/05 19:14	DLK	67-64-1		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075581 Project Sample Number: 92102806-011 Date Collected: 09/08/05 17:27
Client Sample ID: SB21D-1(0) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Benzene	310	ug/kg	280	56.5	09/22/05 19:14	DLK	71-43-2		
Bromobenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	75-27-4		
Bromoform	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	75-25-2		
Bromomethane	ND	ug/kg	570	56.5	09/22/05 19:14	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	5700	56.5	09/22/05 19:14	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	108-90-7		
Chloroethane	ND	ug/kg	570	56.5	09/22/05 19:14	DLK	75-00-3		
Chloroform	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	67-66-3		
Chloromethane	ND	ug/kg	570	56.5	09/22/05 19:14	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	106-93-4		
Dibromomethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	570	56.5	09/22/05 19:14	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	108-20-3		
Ethylbenzene	470	ug/kg	280	56.5	09/22/05 19:14	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	87-68-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075581 Project Sample Number: 92102806-011 Date Collected: 09/08/05 17:27
Client Sample ID: SB21D-1(0) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
2-Hexanone	ND	ug/kg	2800	56.5	09/22/05 19:14	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	98-82-8		
p-Isopropyltoluene	680	ug/kg	280	56.5	09/22/05 19:14	DLK	99-87-6		
Methylene chloride	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	2800	56.5	09/22/05 19:14	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	1634-04-4		
Naphthalene	400	ug/kg	280	56.5	09/22/05 19:14	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	103-65-1		
Styrene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	127-18-4		
Toluene	1500	ug/kg	280	56.5	09/22/05 19:14	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	79-00-5		
Trichloroethene	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	280	56.5	09/22/05 19:14	DLK	96-18-4		
1,2,4-Trimethylbenzene	4700	ug/kg	280	56.5	09/22/05 19:14	DLK	95-63-6		
1,3,5-Trimethylbenzene	3200	ug/kg	280	56.5	09/22/05 19:14	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	2800	56.5	09/22/05 19:14	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	570	56.5	09/22/05 19:14	DLK	75-01-4		
Xylene (Total)	8300	ug/kg	5.7	1.1	09/22/05 19:14	DLK	1330-20-7		
m&p-Xylene	4400	ug/kg	570	56.5	09/22/05 19:14	DLK			
o-Xylene	3900	ug/kg	280	56.5	09/22/05 19:14	DLK	95-47-6		
Toluene-d8 (S)	101	%		1.0	09/22/05 19:14	DLK	2037-26-5		
4-Bromofluorobenzene (S)	107	%		1.0	09/22/05 19:14	DLK	460-00-4		
Dibromofluoromethane (S)	86	%		1.0	09/22/05 19:14	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	86	%		1.0	09/22/05 19:14	DLK	17060-07-0		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075599 Project Sample Number: 92102806-012 Date Collected: 09/08/05 17:44
Client Sample ID: SB26-5(8-10) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	19.2	%		1.0	09/12/05 14:28	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.2	1.2	09/22/05 02:26	KBS	68334-30-5		
n-Pentacosane (S)	80	%		1.0	09/22/05 02:26	KBS	629-99-2		
Date Extracted	09/15/05				09/15/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.0	1.0	09/14/05 13:37	DHW			
4-Bromofluorobenzene (S)	97	%		1.0	09/14/05 13:37	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075607 Project Sample Number: 92102806-013 Date Collected: 09/08/05 17:48
Client Sample ID: SB26-6(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	18.4	%		1.0	09/12/05 14:28	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.1	1.2	09/21/05 20:16	KBS	68334-30-5		
n-Pentacosane (S)	61	%		1.0	09/21/05 20:16	KBS	629-99-2		
Date Extracted	09/16/05				09/16/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.2	1.0	09/14/05 14:07	DHW			
4-Bromofluorobenzene (S)	90	%		1.0	09/14/05 14:07	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075615 Project Sample Number: 92102806-014 Date Collected: 09/09/05 13:12
Client Sample ID: SB20A-2(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	14.1	%		1.0	09/12/05 14:29	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	5.8	1.2	09/28/05 10:51	KBS	68334-30-5	6	
n-Pentacosane (S)	91	%		1.0	09/28/05 10:51	KBS	629-99-2		
Date Extracted	09/27/05				09/27/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.2	1.1	09/14/05 14:37	DHW			
4-Bromofluorobenzene (S)	88	%		1.0	09/14/05 14:37	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075623 Project Sample Number: 92102806-015 Date Collected: 09/09/05 13:18
Client Sample ID: SB20A-3(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	17.2	%		1.0	09/12/05 14:29	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.0	1.2	09/28/05 11:20	KBS	68334-30-5	6	
n-Pentacosane (S)	88	%		1.0	09/28/05 11:20	KBS	629-99-2		
Date Extracted	09/27/05				09/27/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.5	1.1	09/14/05 15:07	DHW			
4-Bromofluorobenzene (S)	86	%		1.0	09/14/05 15:07	DHW	460-00-4		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	120	1.2	09/21/05 21:09	DLK	67-64-1		
Benzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	71-43-2		
Bromobenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	75-27-4		
Bromoform	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	75-25-2		
Bromomethane	ND	ug/kg	12.	1.2	09/21/05 21:09	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	120	1.2	09/21/05 21:09	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	108-90-7		
Chloroethane	ND	ug/kg	12.	1.2	09/21/05 21:09	DLK	75-00-3		
Chloroform	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	67-66-3		
Chloromethane	ND	ug/kg	12.	1.2	09/21/05 21:09	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	106-93-4		
Dibromomethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	74-95-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075623 | Project Sample Number: 92102806-015 | Date Collected: 09/09/05 13:18
Client Sample ID: SB20A-3(6-8) | Matrix: Soil | Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	12.	1.2	09/21/05 21:09	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	87-68-3		
2-Hexanone	ND	ug/kg	60.	1.2	09/21/05 21:09	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	99-87-6		
Methylene chloride	42.	ug/kg	6.0	1.2	09/21/05 21:09	DLK	75-09-2	2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	60.	1.2	09/21/05 21:09	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	1634-04-4		
Naphthalene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	103-65-1		
Styrene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	127-18-4		
Toluene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	79-00-5		
Trichloroethene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	95-63-6		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075623 Project Sample Number: 92102806-015 Date Collected: 09/09/05 13:18
Client Sample ID: SB20A-3(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	60.	1.2	09/21/05 21:09	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	09/21/05 21:09	DLK	75-01-4		
Xylene (Total)	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	09/21/05 21:09	DLK			
o-Xylene	ND	ug/kg	6.0	1.2	09/21/05 21:09	DLK	95-47-6		
Toluene-d8 (S)	100	%		1.0	09/21/05 21:09	DLK	2037-26-5		
4-Bromofluorobenzene (S)	92	%		1.0	09/21/05 21:09	DLK	460-00-4		
Dibromofluoromethane (S)	92	%		1.0	09/21/05 21:09	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	82	%		1.0	09/21/05 21:09	DLK	17060-07-0		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075631 Project Sample Number: 92102806-016 Date Collected: 09/09/05 13:27
Client Sample ID: SB20A-4(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	8.9	%		1.0	09/12/05 14:29	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	5.5	1.1	09/21/05 22:26	KBS	68334-30-5		
n-Pentacosane (S)	57	%		1.0	09/21/05 22:26	KBS	629-99-2		
Date Extracted	09/16/05				09/16/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.4	1.1	09/14/05 15:36	DHW			
4-Bromofluorobenzene (S)	86	%		1.0	09/14/05 15:36	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075649 Project Sample Number: 92102806-017 Date Collected: 09/09/05 13:33
Client Sample ID: SB27-1(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	15.1	%		1.0	09/12/05 14:30	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	5.9	1.2	09/21/05 22:56	KBS	68334-30-5		
n-Pentacosane (S)	62	%		1.0	09/21/05 22:56	KBS	629-99-2		
Date Extracted	09/16/05				09/16/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	4.6	0.9	09/19/05 20:58	DHW			
4-Bromofluorobenzene (S)	119	%		1.0	09/19/05 20:58	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075656 Project Sample Number: 92102806-018 Date Collected: 09/09/05 13:39
Client Sample ID: SB27-3(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	18.8	%		1.0	09/12/05 14:30	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.2	1.2	09/21/05 23:56	KBS	68334-30-5		
n-Pentacosane (S)	50	%		1.0	09/21/05 23:56	KBS	629-99-2		
Date Extracted	09/16/05				09/16/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.6	1.1	09/19/05 21:28	DHW			
4-Bromofluorobenzene (S)	98	%		1.0	09/19/05 21:28	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075664 Project Sample Number: 92102806-019 Date Collected: 09/09/05 13:45
Client Sample ID: SB27-2(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	25.5	%		1.0	09/12/05 14:30	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.7	1.3	09/21/05 23:26	KBS	68334-30-5		
n-Pentacosane (S)	57	%		1.0	09/21/05 23:26	KBS	629-99-2		
Date Extracted	09/16/05				09/16/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	6.2	1.2	09/19/05 21:58	DHW			
4-Bromofluorobenzene (S)	128	%		1.0	09/19/05 21:58	DHW	460-00-4		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	130	1.3	09/21/05 19:49	DLK	67-64-1		
Benzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	71-43-2		
Bromobenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	75-27-4		
Bromoform	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	75-25-2		
Bromomethane	ND	ug/kg	13.	1.3	09/21/05 19:49	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	130	1.3	09/21/05 19:49	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	108-90-7		
Chloroethane	ND	ug/kg	13.	1.3	09/21/05 19:49	DLK	75-00-3		
Chloroform	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	67-66-3		
Chloromethane	ND	ug/kg	13.	1.3	09/21/05 19:49	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	106-93-4		
Dibromomethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	74-95-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075664 Project Sample Number: 92102806-019 Date Collected: 09/09/05 13:45
Client Sample ID: SB27-2(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	13.	1.3	09/21/05 19:49	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	87-68-3		
2-Hexanone	ND	ug/kg	67.	1.3	09/21/05 19:49	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	99-87-6		
Methylene chloride	56.	ug/kg	6.7	1.3	09/21/05 19:49	DLK	75-09-2	2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	67.	1.3	09/21/05 19:49	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	1634-04-4		
Naphthalene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	103-65-1		
Styrene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	127-18-4		
Toluene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	79-00-5		
Trichloroethene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	95-63-6		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075664 Project Sample Number: 92102806-019 Date Collected: 09/09/05 13:45
Client Sample ID: SB27-2(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,3,5-Trimethylbenzene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	67.	1.3	09/21/05 19:49	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	13.	1.3	09/21/05 19:49	DLK	75-01-4		
Xylene (Total)	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	1330-20-7		
m&p-Xylene	ND	ug/kg	13.	1.3	09/21/05 19:49	DLK			
o-Xylene	ND	ug/kg	6.7	1.3	09/21/05 19:49	DLK	95-47-6		
Toluene-d8 (S)	97	%		1.0	09/21/05 19:49	DLK	2037-26-5		
4-Bromofluorobenzene (S)	96	%		1.0	09/21/05 19:49	DLK	460-00-4		
Dibromofluoromethane (S)	98	%		1.0	09/21/05 19:49	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	90	%		1.0	09/21/05 19:49	DLK	17060-07-0		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075672 Project Sample Number: 92102806-020 Date Collected: 09/09/05 13:57
Client Sample ID: SB27-4(2-4) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	20.1	%		1.0	09/12/05 14:31	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.3	1.2	09/21/05 22:26	KBS	68334-30-5		
n-Pentacosane (S)	55	%		1.0	09/21/05 22:26	KBS	629-99-2		
Date Extracted	09/16/05				09/16/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	4.8	1.0	09/19/05 22:28	DHW			
4-Bromofluorobenzene (S)	89	%		1.0	09/19/05 22:28	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075680 Project Sample Number: 92102806-021 Date Collected: 09/09/05 14:03
Client Sample ID: SB27-4(6-8) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	21.4	%		1.0	09/12/05 14:31	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.4	1.3	09/28/05 10:20	KBS	68334-30-5	6	
n-Pentacosane (S)	76	%		1.0	09/28/05 10:20	KBS	629-99-2		
Date Extracted	09/27/05				09/27/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	6.0	1.2	09/19/05 22:57	DHW			
4-Bromofluorobenzene (S)	92	%		1.0	09/19/05 22:57	DHW	460-00-4		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075698 Project Sample Number: 92102806-022 Date Collected: 09/09/05 14:09
Client Sample ID: SB28-1(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	27.4	%		1.0	09/12/05 14:31	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.9	1.4	09/21/05 22:56	KBS	68334-30-5		
n-Pentacosane (S)	70	%		1.0	09/21/05 22:56	KBS	629-99-2		
Date Extracted	09/16/05				09/16/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	6.0	1.2	09/19/05 23:27	DHW			
4-Bromofluorobenzene (S)	88	%		1.0	09/19/05 23:27	DHW	460-00-4		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	140	1.4	09/22/05 18:14	DLK	67-64-1		
Benzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	71-43-2		
Bromobenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	75-27-4		
Bromoform	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	75-25-2		
Bromomethane	ND	ug/kg	14.	1.4	09/22/05 18:14	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	140	1.4	09/22/05 18:14	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	108-90-7		
Chloroethane	ND	ug/kg	14.	1.4	09/22/05 18:14	DLK	75-00-3		
Chloroform	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	67-66-3		
Chloromethane	ND	ug/kg	14.	1.4	09/22/05 18:14	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	106-93-4		
Dibromomethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	74-95-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075698 Project Sample Number: 92102806-022 Date Collected: 09/09/05 14:09
Client Sample ID: SB28-1(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	14.	1.4	09/22/05 18:14	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	87-68-3		
2-Hexanone	ND	ug/kg	69.	1.4	09/22/05 18:14	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	99-87-6		
Methylene chloride	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	69.	1.4	09/22/05 18:14	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	1634-04-4		
Naphthalene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	103-65-1		
Styrene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	127-18-4		
Toluene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	79-00-5		
Trichloroethene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	95-63-6		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075698 Project Sample Number: 92102806-022 Date Collected: 09/09/05 14:09
Client Sample ID: SB28-1(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,3,5-Trimethylbenzene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	69.	1.4	09/22/05 18:14	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	14.	1.4	09/22/05 18:14	DLK	75-01-4		
Xylene (Total)	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	1330-20-7		
m&p-Xylene	ND	ug/kg	14.	1.4	09/22/05 18:14	DLK			
o-Xylene	ND	ug/kg	6.9	1.4	09/22/05 18:14	DLK	95-47-6		
Toluene-d8 (S)	102	%		1.0	09/22/05 18:14	DLK	2037-26-5		
4-Bromofluorobenzene (S)	102	%		1.0	09/22/05 18:14	DLK	460-00-4		
Dibromofluoromethane (S)	86	%		1.0	09/22/05 18:14	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	84	%		1.0	09/22/05 18:14	DLK	17060-07-0		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075706 Project Sample Number: 92102806-023 Date Collected: 09/09/05 14:15
Client Sample ID: SB28-2(2-4) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	15.7	%		1.0	09/12/05 14:32	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	30.	5.9	09/22/05 00:26	KBS	68334-30-5		
n-Pentacosane (S)	54	%		1.0	09/22/05 00:26	KBS	629-99-2		
Date Extracted	09/16/05				09/16/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.6	1.1	09/19/05 23:57	DHW			
4-Bromofluorobenzene (S)	105	%		1.0	09/19/05 23:57	DHW	460-00-4		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	250	ug/kg	120	1.2	09/21/05 20:49	DLK	67-64-1	2,7	
Benzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	71-43-2		
Bromobenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	75-27-4		
Bromoform	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	75-25-2		
Bromomethane	ND	ug/kg	12.	1.2	09/21/05 20:49	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	120	1.2	09/21/05 20:49	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	108-90-7		
Chloroethane	ND	ug/kg	12.	1.2	09/21/05 20:49	DLK	75-00-3		
Chloroform	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	67-66-3		
Chloromethane	ND	ug/kg	12.	1.2	09/21/05 20:49	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	106-93-4		
Dibromomethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	74-95-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075706 Project Sample Number: 92102806-023 Date Collected: 09/09/05 14:15
Client Sample ID: SB28-2(2-4) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	12.	1.2	09/21/05 20:49	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	87-68-3		
2-Hexanone	ND	ug/kg	59.	1.2	09/21/05 20:49	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	99-87-6		
Methylene chloride	180	ug/kg	5.9	1.2	09/21/05 20:49	DLK	75-09-2	2,7	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.	1.2	09/21/05 20:49	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	1634-04-4		
Naphthalene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	103-65-1		
Styrene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	127-18-4		
Toluene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	79-00-5		
Trichloroethene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	95-63-6		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075706 Project Sample Number: 92102806-023 Date Collected: 09/09/05 14:15
Client Sample ID: SB28-2(2-4) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	59.	1.2	09/21/05 20:49	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	09/21/05 20:49	DLK	75-01-4		
Xylene (Total)	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	09/21/05 20:49	DLK			
o-Xylene	ND	ug/kg	5.9	1.2	09/21/05 20:49	DLK	95-47-6		
Toluene-d8 (S)	79	%		1.0	09/21/05 20:49	DLK	2037-26-5	8	
4-Bromofluorobenzene (S)	38	%		1.0	09/21/05 20:49	DLK	460-00-4	8	
Dibromofluoromethane (S)	91	%		1.0	09/21/05 20:49	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	70	%		1.0	09/21/05 20:49	DLK	17060-07-0		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075714 Project Sample Number: 92102806-024 Date Collected: 09/09/05 14:21
Client Sample ID: SB28-2(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	23.3	%		1.0	09/12/05 14:32	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.5	1.3	09/21/05 23:56	KBS	68334-30-5		
n-Pentacosane (S)	50	%		1.0	09/21/05 23:56	KBS	629-99-2		
Date Extracted	09/16/05				09/16/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	6.0	1.2	09/20/05 01:26	DHW			
4-Bromofluorobenzene (S)	164	%		1.0	09/20/05 01:26	DHW	460-00-4	9	
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	130	1.3	09/21/05 20:29	DLK	67-64-1		
Benzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	71-43-2		
Bromobenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	75-27-4		
Bromoform	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	75-25-2		
Bromomethane	ND	ug/kg	13.	1.3	09/21/05 20:29	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	130	1.3	09/21/05 20:29	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	108-90-7		
Chloroethane	ND	ug/kg	13.	1.3	09/21/05 20:29	DLK	75-00-3		
Chloroform	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	67-66-3		
Chloromethane	ND	ug/kg	13.	1.3	09/21/05 20:29	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	106-93-4		
Dibromomethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	74-95-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075714 Project Sample Number: 92102806-024 Date Collected: 09/09/05 14:21
Client Sample ID: SB28-2(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	13.	1.3	09/21/05 20:29	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	87-68-3		
2-Hexanone	ND	ug/kg	65.	1.3	09/21/05 20:29	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	99-87-6		
Methylene chloride	53.	ug/kg	6.5	1.3	09/21/05 20:29	DLK	75-09-2	2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	65.	1.3	09/21/05 20:29	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	1634-04-4		
Naphthalene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	103-65-1		
Styrene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	127-18-4		
Toluene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	79-00-5		
Trichloroethene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	95-63-6		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075714 Project Sample Number: 92102806-024 Date Collected: 09/09/05 14:21
Client Sample ID: SB28-2(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,3,5-Trimethylbenzene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	65.	1.3	09/21/05 20:29	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	13.	1.3	09/21/05 20:29	DLK	75-01-4		
Xylene (Total)	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	1330-20-7		
m&p-Xylene	ND	ug/kg	13.	1.3	09/21/05 20:29	DLK			
o-Xylene	ND	ug/kg	6.5	1.3	09/21/05 20:29	DLK	95-47-6		
Toluene-d8 (S)	98	%		1.0	09/21/05 20:29	DLK	2037-26-5		
4-Bromofluorobenzene (S)	94	%		1.0	09/21/05 20:29	DLK	460-00-4		
Dibromofluoromethane (S)	98	%		1.0	09/21/05 20:29	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	98	%		1.0	09/21/05 20:29	DLK	17060-07-0		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075722 Project Sample Number: 92102806-025 Date Collected: 09/09/05 14:26
Client Sample ID: SB20A-5(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	18.8	%		1.0	09/13/05 16:14	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.2	1.2	09/21/05 17:16	KBS	68334-30-5		
n-Pentacosane (S)	83	%		1.0	09/21/05 17:16	KBS	629-99-2		
Date Extracted	09/19/05				09/19/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.8	1.2	09/20/05 01:56	DHW			
4-Bromofluorobenzene (S)	86	%		1.0	09/20/05 01:56	DHW	460-00-4		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	120	1.2	09/21/05 17:29	DLK	67-64-1		
Benzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	71-43-2		
Bromobenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	75-27-4		
Bromoform	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	75-25-2		
Bromomethane	ND	ug/kg	12.	1.2	09/21/05 17:29	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	120	1.2	09/21/05 17:29	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	108-90-7		
Chloroethane	ND	ug/kg	12.	1.2	09/21/05 17:29	DLK	75-00-3		
Chloroform	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	67-66-3		
Chloromethane	ND	ug/kg	12.	1.2	09/21/05 17:29	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	106-93-4		
Dibromomethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	74-95-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075722 Project Sample Number: 92102806-025 Date Collected: 09/09/05 14:26
Client Sample ID: SB20A-5(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	12.	1.2	09/21/05 17:29	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	87-68-3		
2-Hexanone	ND	ug/kg	62.	1.2	09/21/05 17:29	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	99-87-6		
Methylene chloride	58.	ug/kg	6.2	1.2	09/21/05 17:29	DLK	75-09-2	2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	62.	1.2	09/21/05 17:29	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	1634-04-4		
Naphthalene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	103-65-1		
Styrene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	127-18-4		
Toluene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	79-00-5		
Trichloroethene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	95-63-6		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075722 Project Sample Number: 92102806-025 Date Collected: 09/09/05 14:26
Client Sample ID: SB20A-5(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,3,5-Trimethylbenzene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	62.	1.2	09/21/05 17:29	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	09/21/05 17:29	DLK	75-01-4		
Xylene (Total)	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	09/21/05 17:29	DLK			
o-Xylene	ND	ug/kg	6.2	1.2	09/21/05 17:29	DLK	95-47-6		
Toluene-d8 (S)	104	%		1.0	09/21/05 17:29	DLK	2037-26-5		
4-Bromofluorobenzene (S)	95	%		1.0	09/21/05 17:29	DLK	460-00-4		
Dibromofluoromethane (S)	86	%		1.0	09/21/05 17:29	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	77	%		1.0	09/21/05 17:29	DLK	17060-07-0		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075730 Project Sample Number: 92102806-026 Date Collected: 09/09/05 14:31
Client Sample ID: SB20A-6(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	23.4	%		1.0	09/13/05 16:15	KBM			
GC Semivolatiles									
TPH in Soil by 3545/8015	Prep/Method: EPA 3545 / EPA 8015								
Diesel Fuel	ND	mg/kg	6.5	1.3	09/28/05 11:20	KBS	68334-30-5	6	
n-Pentacosane (S)	123	%		1.0	09/28/05 11:20	KBS	629-99-2		
Date Extracted	09/27/05				09/27/05				
GC Volatiles									
GAS, Soil, North Carolina	Method: EPA 8015								
Gasoline	ND	mg/kg	5.8	1.2	09/20/05 02:26	DHW			
4-Bromofluorobenzene (S)	83	%		1.0	09/20/05 02:26	DHW	460-00-4		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	130	1.3	09/22/05 17:54	DLK	67-64-1		
Benzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	71-43-2		
Bromobenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	108-86-1		
Bromochloromethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	74-97-5		
Bromodichloromethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	75-27-4		
Bromoform	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	75-25-2		
Bromomethane	ND	ug/kg	13.	1.3	09/22/05 17:54	DLK	74-83-9		
2-Butanone (MEK)	ND	ug/kg	130	1.3	09/22/05 17:54	DLK	78-93-3		
n-Butylbenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	56-23-5		
Chlorobenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	108-90-7		
Chloroethane	ND	ug/kg	13.	1.3	09/22/05 17:54	DLK	75-00-3		
Chloroform	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	67-66-3		
Chloromethane	ND	ug/kg	13.	1.3	09/22/05 17:54	DLK	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	96-12-8		
Dibromochloromethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	106-93-4		
Dibromomethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	74-95-3		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075730 Project Sample Number: 92102806-026 Date Collected: 09/09/05 14:31
Client Sample ID: SB20A-6(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dichlorobenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	13.	1.3	09/22/05 17:54	DLK	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	108-20-3		
Ethylbenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	87-68-3		
2-Hexanone	ND	ug/kg	65.	1.3	09/22/05 17:54	DLK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	99-87-6		
Methylene chloride	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	65.	1.3	09/22/05 17:54	DLK	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	1634-04-4		
Naphthalene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	91-20-3		
n-Propylbenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	103-65-1		
Styrene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	79-34-5		
Tetrachloroethene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	127-18-4		
Toluene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	79-00-5		
Trichloroethene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	95-63-6		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

Lab Sample No: 926075730 Project Sample Number: 92102806-026 Date Collected: 09/09/05 14:31
Client Sample ID: SB20A-6(10-12) Matrix: Soil Date Received: 09/09/05 16:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,3,5-Trimethylbenzene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	108-67-8		
Vinyl acetate	ND	ug/kg	65.	1.3	09/22/05 17:54	DLK	108-05-4		
Vinyl chloride	ND	ug/kg	13.	1.3	09/22/05 17:54	DLK	75-01-4		
Xylene (Total)	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	1330-20-7		
m&p-Xylene	ND	ug/kg	13.	1.3	09/22/05 17:54	DLK			
o-Xylene	ND	ug/kg	6.5	1.3	09/22/05 17:54	DLK	95-47-6		
Toluene-d8 (S)	97	%		1.0	09/22/05 17:54	DLK	2037-26-5		
4-Bromofluorobenzene (S)	106	%		1.0	09/22/05 17:54	DLK	460-00-4		
Dibromofluoromethane (S)	87	%		1.0	09/22/05 17:54	DLK	1868-53-7		
1,2-Dichloroethane-d4 (S)	80	%		1.0	09/22/05 17:54	DLK	17060-07-0		

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate
[1]	The surrogate recovery was outside QC acceptance limits due to matrix interference.
[2]	Common laboratory contaminant.
[3]	Surrogate standards were not recovered due to sample dilution.
[4]	The sample extract could not be concentrated to the normal final volume. This resulted in an elevated reporting limit.
[5]	The sample was diluted to reduce matrix interference, resulting in elevated reporting limits.
[6]	Sample was re-extracted outside of recommended holding time due to low surrogate recoveries.
[7]	The reported result may be biased high due to matrix interference with the internal standard. This was confirmed by reanalysis of the sample.
[8]	Low surrogate recovery was confirmed as a matrix effect by a second analysis.
[9]	The surrogate recovery was above the QC recovery limit. The sample was not re-extracted since no target analytes were detected in the sample.

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137180 Analysis Method: EPA 9071B
QC Batch Method: EPA 9071B Analysis Description: Oil & Grease in Soil
Associated Lab Samples: 926075540 926075573 926075581

METHOD BLANK: 926080185
Associated Lab Samples: 926075540 926075573 926075581

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Oil and Grease	mg/kg	ND	170	

LABORATORY CONTROL SAMPLE: 926080193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Oil and Grease	mg/kg	1333.00	1243	93	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926080201 926080219

Parameter	Units	926075540 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Oil and Grease	mg/kg	1564	1646.00	3071	2774	92	74	10	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137399 Analysis Method: EPA 9071B
QC Batch Method: EPA 9071B Analysis Description: Oil & Grease, Soil, Silica Gel
Associated Lab Samples: 926075540 926075573 926075581

METHOD BLANK: 926092982
Associated Lab Samples: 926075540 926075573 926075581

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Oil and Grease	mg/kg	ND	170	

LABORATORY CONTROL SAMPLE: 926092990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Oil and Grease	mg/kg	666.70	586.7	88	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926093006 926093014

Parameter	Units	926075540 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Oil and Grease	mg/kg	448.7	823.20	1116	1173	81	88	5	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137492 Analysis Method: EPA 8015
QC Batch Method: EPA 3545 Analysis Description: TPH in Soil by 3545/8015
Associated Lab Samples: 926075482 926075490 926075508 926075516 926075524 926075532 926075540 926075557 926075565 926075573 926075581 926075599

METHOD BLANK: 926097981

Associated Lab Samples: 926075482 926075490 926075508 926075516 926075524 926075532 926075540 926075557 926075565 926075573 926075581 926075599

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Diesel Fuel	mg/kg	ND	5.0	
n-Pentacosane (S)	%	85		

LABORATORY CONTROL SAMPLE: 926097999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Diesel Fuel	mg/kg	166.70	148.0	89	
n-Pentacosane (S)				91	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926098005 926098013

Parameter	Units	926093105 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Diesel Fuel	mg/kg	0.6187	192.00	118.4	127.2	61	66	7	
n-Pentacosane (S)						80	80		

SAMPLE DUPLICATE: 926098021

Parameter	Units	926093121 Result	DUP Result	RPD	Footnotes
Diesel Fuel	mg/kg	ND	ND	NC	
n-Pentacosane (S)	%	84	89		

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137649 — Analysis Method: EPA 8015
QC Batch Method: EPA 3545 — Analysis Description: TPH in Soil by 3545/8015
Associated Lab Samples: 926075607 926075615 926075623 926075631 926075649 926075656 926075664 926075672 926075680 926075698 926075706 926075714

METHOD BLANK: 926107798

Associated Lab Samples: 926075607 926075615 926075623 926075631 926075649 926075656 926075664 926075672 926075680 926075698 926075706 926075714

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Diesel Fuel	mg/kg	ND	5.0	
n-Pentacosane (S)	%	71		

LABORATORY CONTROL SAMPLE: 926107806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Diesel Fuel	mg/kg	166.70	89.77	54	
n-Pentacosane (S)				50	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926107814 926107822

Parameter	Units	926075623 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Diesel Fuel	mg/kg	1.398	201.30	135.4	173.2	67	85	25	
n-Pentacosane (S)						52	76		

SAMPLE DUPLICATE: 926107830

Parameter	Units	926075631 Result	DUP Result	RPD	Footnotes
Diesel Fuel	mg/kg	ND	ND	NC	
n-Pentacosane (S)	%	57	53		

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137774 Analysis Method: EPA 8015
QC Batch Method: EPA 3545 Analysis Description: TPH in Soil by 3545/8015
Associated Lab Samples: 926075722 926075730

METHOD BLANK: 926112038
Associated Lab Samples: 926075722 926075730

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Diesel Fuel	mg/kg	ND	5.0	
n-Pentacosane (S)	%	107		

LABORATORY CONTROL SAMPLE: 926112046

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Diesel Fuel	mg/kg	166.70	167.3	100	
n-Pentacosane (S)				85	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926112061 926112079

Parameter	Units	926075722 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Diesel Fuel	mg/kg	1.552	205.20	188.5	178.7	91	86	5	
n-Pentacosane (S)						80	73		

SAMPLE DUPLICATE: 926112053

Parameter	Units	926075037 Result	DUP Result	RPD	Footnotes
Diesel Fuel	mg/kg	ND	ND	NC	
n-Pentacosane (S)	%	58	58		

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137273 Analysis Method: EPA 8015
QC Batch Method: EPA 8015 Analysis Description: GAS, Soil, North Carolina
Associated Lab Samples: 926075482 926075490 926075508 926075516 926075524 926075532 926075540 926075557 926075565 926075573 926075581 926075599 926075607 926075615 926075623 926075631

METHOD BLANK: 926085234
Associated Lab Samples: 926075482 926075490 926075508 926075516 926075524 926075532 926075540 926075557 926075565 926075573 926075581 926075599 926075607 926075615 926075623 926075631

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline	mg/kg	ND	5.0	
4-Bromofluorobenzene (S)	%	97		

LABORATORY CONTROL SAMPLE: 926085242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline	mg/kg	25.00	25.84	103	
4-Bromofluorobenzene (S)				96	

MATRIX SPIKE: 926085259

Parameter	Units	926084039 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Gasoline	mg/kg	1.586	28.41	30.59	102	
4-Bromofluorobenzene (S)					98	

SAMPLE DUPLICATE: 926085267

Parameter	Units	926084054 Result	DUP Result	RPD	Footnotes
Gasoline	mg/kg	ND	ND	NC	
4-Bromofluorobenzene (S)	%	97	94		

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137630 Analysis Method: EPA 8015
QC Batch Method: EPA 8015 Analysis Description: GAS, Soil, North Carolina
Associated Lab Samples: 926075649 926075656 926075664 926075672 926075680 926075698 926075706 926075714 926075722 926075730

METHOD BLANK: 926106352
Associated Lab Samples: 926075649 926075656 926075664 926075672 926075680 926075698 926075706 926075714 926075722 926075730

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline	mg/kg	ND	5.0	
4-Bromofluorobenzene (S)	%	93		

LABORATORY CONTROL SAMPLE: 926106360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline	mg/kg	25.00	33.51	134	
4-Bromofluorobenzene (S)				115	

MATRIX SPIKE: 926106378

Parameter	Units	926100660 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Gasoline	mg/kg	2.312	26.35	33.57	119	
4-Bromofluorobenzene (S)					100	

SAMPLE DUPLICATE: 926106386

Parameter	Units	926100678 Result	DUP Result	RPD	Footnotes
Gasoline	mg/kg	ND	ND	NC	
4-Bromofluorobenzene (S)	%	121	95		

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137520 Analysis Method: EPA 8270
QC Batch Method: EPA 3545 Analysis Description: Semivolatile Organics
Associated Lab Samples: 926075581

METHOD BLANK: 926100819
Associated Lab Samples: 926075581

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acenaphthene	ug/kg	ND	330	
Acenaphthylene	ug/kg	ND	330	
Anthracene	ug/kg	ND	330	
Benzo(k)fluoranthene	ug/kg	ND	330	
Benzo(b)fluoranthene	ug/kg	ND	330	
Benzo(a)anthracene	ug/kg	ND	330	
Benzoic acid	ug/kg	ND	1600	
Benzo(g,h,i)perylene	ug/kg	ND	330	
Benzyl alcohol	ug/kg	ND	660	
Benzo(a)pyrene	ug/kg	ND	330	
4-Bromophenylphenyl ether	ug/kg	ND	330	
Butylbenzylphthalate	ug/kg	ND	330	
4-Chloro-3-methylphenol	ug/kg	ND	660	
4-Chloroaniline	ug/kg	ND	660	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	
bis(2-Chloroethyl) ether	ug/kg	ND	330	
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	
2-Chloronaphthalene	ug/kg	ND	330	
2-Chlorophenol	ug/kg	ND	330	
4-Chlorophenylphenyl ether	ug/kg	ND	330	
Chrysene	ug/kg	ND	330	
Dibenz(a,h)anthracene	ug/kg	ND	330	
Dibenzofuran	ug/kg	ND	330	
1,2-Dichlorobenzene	ug/kg	ND	330	
1,3-Dichlorobenzene	ug/kg	ND	330	
1,4-Dichlorobenzene	ug/kg	ND	330	
3,3'-Dichlorobenzidine	ug/kg	ND	660	
2,4-Dichlorophenol	ug/kg	ND	330	
Diethylphthalate	ug/kg	ND	330	
2,4-Dimethylphenol	ug/kg	ND	330	
Dimethylphthalate	ug/kg	ND	330	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

METHOD BLANK: 926100819
Associated Lab Samples: 926075581

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Di-n-butylphthalate	ug/kg	ND	330	
4,6-Dinitro-2-methylphenol	ug/kg	ND	330	
2,4-Dinitrophenol	ug/kg	ND	1600	
2,4-Dinitrotoluene	ug/kg	ND	330	
2,6-Dinitrotoluene	ug/kg	ND	330	
Di-n-octylphthalate	ug/kg	ND	330	
1,2-Diphenylhydrazine	ug/kg	ND	330	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	
Fluoranthene	ug/kg	ND	330	
Fluorene	ug/kg	ND	330	
Hexachloro-1,3-butadiene	ug/kg	ND	330	
Hexachlorobenzene	ug/kg	ND	330	
Hexachlorocyclopentadiene	ug/kg	ND	330	
Hexachloroethane	ug/kg	ND	330	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	
Isophorone	ug/kg	ND	330	
2-Methylnaphthalene	ug/kg	ND	330	
2-Methylphenol (o-Cresol)	ug/kg	ND	330	
3&4-Methylphenol	ug/kg	ND	330	
Naphthalene	ug/kg	ND	330	
2-Nitroaniline	ug/kg	ND	1600	
3-Nitroaniline	ug/kg	ND	1600	
4-Nitroaniline	ug/kg	ND	1600	
Nitrobenzene	ug/kg	ND	330	
2-Nitrophenol	ug/kg	ND	330	
4-Nitrophenol	ug/kg	ND	1600	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	
N-Nitrosodiphenylamine	ug/kg	ND	330	
Pentachlorophenol	ug/kg	ND	1600	
Phenanthrene	ug/kg	ND	330	
Phenol	ug/kg	ND	330	
Pyrene	ug/kg	ND	330	
1,2,4-Trichlorobenzene	ug/kg	ND	330	
2,4,5-Trichlorophenol	ug/kg	ND	330	
2,4,6-Trichlorophenol	ug/kg	ND	330	
Nitrobenzene-d5 (S)	%	67		

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

METHOD BLANK: 926100819
Associated Lab Samples: 926075581

Parameter	Units	Blank Result	Reporting Limit	Footnotes
2-Fluorobiphenyl (S)	%	61		
Terphenyl-d14 (S)	%	66		
Phenol-d5 (S)	%	62		
2-Fluorophenol (S)	%	62		
2,4,6-Tribromophenol (S)	%	60		

LABORATORY CONTROL SAMPLE: 926100827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acenaphthene	ug/kg	1667.00	1168	70	
Acenaphthylene	ug/kg	1667.00	1095	66	
Anthracene	ug/kg	1667.00	1255	75	
Benzo(k)fluoranthene	ug/kg	1667.00	1092	66	
Benzo(b)fluoranthene	ug/kg	1667.00	1095	66	
Benzo(a)anthracene	ug/kg	1667.00	1104	66	
Benzoic acid	ug/kg	1667.00	382.3	23	
Benzo(g,h,i)perylene	ug/kg	1667.00	1418	85	
Benzyl alcohol	ug/kg	1667.00	1453	87	
Benzo(a)pyrene	ug/kg	1667.00	1301	78	
4-Bromophenylphenyl ether	ug/kg	1667.00	1208	72	
Butylbenzylphthalate	ug/kg	1667.00	1219	73	
4-Chloro-3-methylphenol	ug/kg	1667.00	1458	88	
4-Chloroaniline	ug/kg	1667.00	1858	111	
bis(2-Chloroethoxy)methane	ug/kg	1667.00	1362	82	
bis(2-Chloroethyl) ether	ug/kg	1667.00	1199	72	
bis(2-Chloroisopropyl) ether	ug/kg	1667.00	1219	73	
2-Chloronaphthalene	ug/kg	1667.00	1173	70	
2-Chlorophenol	ug/kg	1667.00	1123	67	
4-Chlorophenylphenyl ether	ug/kg	1667.00	1269	76	
Chrysene	ug/kg	1667.00	1114	67	
Dibenz(a,h)anthracene	ug/kg	1667.00	1470	88	
Dibenzofuran	ug/kg	1667.00	1222	73	
1,2-Dichlorobenzene	ug/kg	1667.00	1073	64	
1,3-Dichlorobenzene	ug/kg	1667.00	995.3	60	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

LABORATORY CONTROL SAMPLE: 926100827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,4-Dichlorobenzene	ug/kg	1667.00	989.8	59	
3,3'-Dichlorobenzidine	ug/kg	3333.00	1313	39	
2,4-Dichlorophenol	ug/kg	1667.00	1350	81	
Diethylphthalate	ug/kg	1667.00	1297	78	
2,4-Dimethylphenol	ug/kg	1667.00	1268	76	
Dimethylphthalate	ug/kg	1667.00	1235	74	
Di-n-butylphthalate	ug/kg	1667.00	1191	72	
4,6-Dinitro-2-methylphenol	ug/kg	1667.00	1150	69	
2,4-Dinitrophenol	ug/kg	1667.00	796.9	48	
2,4-Dinitrotoluene	ug/kg	1667.00	1171	70	
2,6-Dinitrotoluene	ug/kg	1667.00	1273	76	
Di-n-octylphthalate	ug/kg	1667.00	1208	72	
1,2-Diphenylhydrazine	ug/kg	1667.00	1159	70	
bis(2-Ethylhexyl)phthalate	ug/kg	1667.00	1279	77	
Fluoranthene	ug/kg	1667.00	1137	68	
Fluorene	ug/kg	1667.00	1171	70	
Hexachloro-1,3-butadiene	ug/kg	1667.00	1219	73	
Hexachlorobenzene	ug/kg	1667.00	1321	79	
Hexachlorocyclopentadiene	ug/kg	1667.00	2047	123	1
Hexachloroethane	ug/kg	1667.00	1120	67	
Indeno(1,2,3-cd)pyrene	ug/kg	1667.00	1387	83	
Isophorone	ug/kg	1667.00	3060	184	1
2-Methylnaphthalene	ug/kg	1667.00	1229	74	
2-Methylphenol (o-Cresol)	ug/kg	1667.00	1236	74	
3&4-Methylphenol	ug/kg	1667.00	1303	78	
Naphthalene	ug/kg	1667.00	1049	63	
2-Nitroaniline	ug/kg	1667.00	1095	66	
3-Nitroaniline	ug/kg	1667.00	1412	85	
4-Nitroaniline	ug/kg	1667.00	1174	70	
Nitrobenzene	ug/kg	1667.00	1381	83	
2-Nitrophenol	ug/kg	1667.00	1210	73	
4-Nitrophenol	ug/kg	1667.00	1296	78	
N-Nitroso-di-n-propylamine	ug/kg	1667.00	1425	86	
N-Nitrosodiphenylamine	ug/kg	1667.00	1486	89	
Pentachlorophenol	ug/kg	1667.00	1340	80	
Phenanthrene	ug/kg	1667.00	1170	70	
Phenol	ug/kg	1667.00	1298	78	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

LABORATORY CONTROL SAMPLE: 926100827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Pyrene	ug/kg	1667.00	1251	75	
1,2,4-Trichlorobenzene	ug/kg	1667.00	1228	74	
2,4,5-Trichlorophenol	ug/kg	1667.00	1202	72	
2,4,6-Trichlorophenol	ug/kg	1667.00	1148	69	
Nitrobenzene-d5 (S)				84	
2-Fluorobiphenyl (S)				72	
Terphenyl-d14 (S)				78	
Phenol-d5 (S)				79	
2-Fluorophenol (S)				74	
2,4,6-Tribromophenol (S)				80	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926100835 926100843

Parameter	Units	926077355 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Acenaphthene	ug/kg	0	2110.00	1315	1314	62	62	0	
4-Chloro-3-methylphenol	ug/kg	0	2110.00	1640	1695	78	80	3	
2-Chlorophenol	ug/kg	0	2110.00	1397	1348	66	64	4	
1,4-Dichlorobenzene	ug/kg	0	2110.00	1069	1098	51	52	3	
2,4-Dinitrotoluene	ug/kg	0	2110.00	1249	1258	59	60	1	
4-Nitrophenol	ug/kg	0	2110.00	1348	1429	64	68	6	
N-Nitroso-di-n-propylamine	ug/kg	0	2110.00	1531	1428	73	68	7	
Pentachlorophenol	ug/kg	0	2110.00	1449	1510	69	72	4	
Phenol	ug/kg	0	2110.00	1491	1436	71	68	4	
Pyrene	ug/kg	0	2110.00	1150	1180	54	56	3	
1,2,4-Trichlorobenzene	ug/kg	0	2110.00	1408	1389	67	66	1	
Nitrobenzene-d5 (S)						71	75		
2-Fluorobiphenyl (S)						57	63		
Terphenyl-d14 (S)						54	61		
Phenol-d5 (S)						68	70		
2-Fluorophenol (S)						63	69		
2,4,6-Tribromophenol (S)						64	72		

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

SAMPLE DUPLICATE: 926100942

Parameter	Units	926090432 Result	DUP Result	RPD	Footnotes
Acenaphthene	ug/kg	ND	ND	NC	
Acenaphthylene	ug/kg	ND	ND	NC	
Anthracene	ug/kg	ND	ND	NC	
Benzo(k)fluoranthene	ug/kg	ND	ND	NC	
Benzo(b)fluoranthene	ug/kg	ND	ND	NC	
Benzo(a)anthracene	ug/kg	ND	ND	NC	
Benzoic acid	ug/kg	ND	ND	NC	
Benzo(g,h,i)perylene	ug/kg	ND	ND	NC	
Benzyl alcohol	ug/kg	ND	ND	NC	
Benzo(a)pyrene	ug/kg	ND	ND	NC	
4-Bromophenylphenyl ether	ug/kg	ND	ND	NC	
Butylbenzylphthalate	ug/kg	ND	ND	NC	
4-Chloro-3-methylphenol	ug/kg	ND	ND	NC	
4-Chloroaniline	ug/kg	ND	ND	NC	
bis(2-Chloroethoxy)methane	ug/kg	ND	ND	NC	
bis(2-Chloroethyl) ether	ug/kg	ND	ND	NC	
bis(2-Chloroisopropyl) ether	ug/kg	ND	ND	NC	
2-Chloronaphthalene	ug/kg	ND	ND	NC	
2-Chlorophenol	ug/kg	ND	ND	NC	
4-Chlorophenylphenyl ether	ug/kg	ND	ND	NC	
Chrysene	ug/kg	ND	ND	NC	
Dibenz(a,h)anthracene	ug/kg	ND	ND	NC	
Dibenzofuran	ug/kg	ND	ND	NC	
1,2-Dichlorobenzene	ug/kg	ND	ND	NC	
1,3-Dichlorobenzene	ug/kg	ND	ND	NC	
1,4-Dichlorobenzene	ug/kg	ND	ND	NC	
3,3'-Dichlorobenzidine	ug/kg	ND	ND	NC	
2,4-Dichlorophenol	ug/kg	ND	ND	NC	
Diethylphthalate	ug/kg	ND	ND	NC	
2,4-Dimethylphenol	ug/kg	ND	ND	NC	
Dimethylphthalate	ug/kg	ND	ND	NC	
Di-n-butylphthalate	ug/kg	ND	ND	NC	
4,6-Dinitro-2-methylphenol	ug/kg	ND	ND	NC	
2,4-Dinitrophenol	ug/kg	ND	ND	NC	
2,4-Dinitrotoluene	ug/kg	ND	ND	NC	
2,6-Dinitrotoluene	ug/kg	ND	ND	NC	
Di-n-octylphthalate	ug/kg	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

SAMPLE DUPLICATE: 926100942

Parameter	Units	926090432 Result	DUP Result	RPD	Footnotes
1,2-Diphenylhydrazine	ug/kg	ND	ND	NC	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	ND	NC	
Fluoranthene	ug/kg	ND	ND	NC	
Fluorene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
Hexachlorobenzene	ug/kg	ND	ND	NC	
Hexachlorocyclopentadiene	ug/kg	ND	ND	NC	
Hexachloroethane	ug/kg	ND	ND	NC	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	ND	NC	
Isophorone	ug/kg	ND	ND	NC	
2-Methylnaphthalene	ug/kg	ND	ND	NC	
2-Methylphenol (o-Cresol)	ug/kg	ND	ND	NC	
3&4-Methylphenol	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	ND	ND	NC	
2-Nitroaniline	ug/kg	ND	ND	NC	
3-Nitroaniline	ug/kg	ND	ND	NC	
4-Nitroaniline	ug/kg	ND	ND	NC	
Nitrobenzene	ug/kg	ND	ND	NC	
2-Nitrophenol	ug/kg	ND	ND	NC	
4-Nitrophenol	ug/kg	ND	ND	NC	
N-Nitroso-di-n-propylamine	ug/kg	ND	ND	NC	
N-Nitrosodiphenylamine	ug/kg	ND	ND	NC	
Pentachlorophenol	ug/kg	ND	ND	NC	
Phenanthrene	ug/kg	ND	ND	NC	
Phenol	ug/kg	ND	ND	NC	
Pyrene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
2,4,5-Trichlorophenol	ug/kg	ND	ND	NC	
2,4,6-Trichlorophenol	ug/kg	ND	ND	NC	
Nitrobenzene-d5 (S)	%	37	36		
2-Fluorobiphenyl (S)	%	38	42		
Terphenyl-d14 (S)	%	25	31		
Phenol-d5 (S)	%	36	35		2
2-Fluorophenol (S)	%	38	36		
2,4,6-Tribromophenol (S)	%	35	37		

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137897 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260, low level
Associated Lab Samples: 926075482 926075540 926075573 926075623 926075664 926075706 926075714 926075722 926075730

METHOD BLANK: 926118332
Associated Lab Samples: 926075482 926075540 926075573 926075623 926075664 926075706 926075714 926075722 926075730

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/kg	ND	100	
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.	
2-Butanone (MEK)	ug/kg	ND	100	
n-Butylbenzene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.	
2-Chlorotoluene	ug/kg	ND	5.0	
4-Chlorotoluene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

METHOD BLANK: 926118332
Associated Lab Samples: 926075482 926075540 926075573 926075623 926075664 926075706 926075714 926075722 926075730

Parameter	Units	Blank Result	Reporting Limit	Footnotes
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
2-Hexanone	ug/kg	ND	50.	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl acetate	ug/kg	ND	50.	
Vinyl chloride	ug/kg	ND	10.	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

METHOD BLANK: 926118332
Associated Lab Samples: 926075482 926075540 926075573 926075623 926075664 926075706 926075714 926075722 926075730

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Xylene (Total)	ug/kg	ND	5.0	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	
Toluene-d8 (S)	%	101		
4-Bromofluorobenzene (S)	%	96		
Dibromofluoromethane (S)	%	95		
1,2-Dichloroethane-d4 (S)	%	93		

LABORATORY CONTROL SAMPLE: 926118340

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/kg	100.00	75.08	75	
Benzene	ug/kg	50.00	49.52	99	
Bromobenzene	ug/kg	50.00	50.97	102	
Bromochloromethane	ug/kg	50.00	43.08	86	
Bromodichloromethane	ug/kg	50.00	48.11	96	
Bromoform	ug/kg	50.00	40.93	82	
Bromomethane	ug/kg	50.00	45.86	92	
2-Butanone (MEK)	ug/kg	100.00	83.98	84	
n-Butylbenzene	ug/kg	50.00	49.25	98	
sec-Butylbenzene	ug/kg	50.00	53.06	106	
tert-Butylbenzene	ug/kg	50.00	43.06	86	
Carbon tetrachloride	ug/kg	50.00	52.11	104	
Chlorobenzene	ug/kg	50.00	45.91	92	
Chloroethane	ug/kg	50.00	45.74	92	
Chloroform	ug/kg	50.00	47.57	95	
Chloromethane	ug/kg	50.00	41.28	83	
2-Chlorotoluene	ug/kg	50.00	49.01	98	
4-Chlorotoluene	ug/kg	50.00	49.66	99	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	42.91	86	
Dibromochloromethane	ug/kg	50.00	43.06	86	
1,2-Dibromoethane (EDB)	ug/kg	50.00	43.05	86	
Dibromomethane	ug/kg	50.00	41.93	84	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

LABORATORY CONTROL SAMPLE: 926118340

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,2-Dichlorobenzene	ug/kg	50.00	47.42	95	
1,3-Dichlorobenzene	ug/kg	50.00	46.60	93	
1,4-Dichlorobenzene	ug/kg	50.00	45.67	91	
Dichlorodifluoromethane	ug/kg	50.00	33.37	67	
1,1-Dichloroethane	ug/kg	50.00	47.56	95	
1,2-Dichloroethane	ug/kg	50.00	44.26	88	
1,1-Dichloroethene	ug/kg	50.00	53.62	107	
cis-1,2-Dichloroethene	ug/kg	50.00	44.82	90	
trans-1,2-Dichloroethene	ug/kg	50.00	51.56	103	
1,2-Dichloropropane	ug/kg	50.00	48.45	97	
1,3-Dichloropropane	ug/kg	50.00	42.98	86	
2,2-Dichloropropane	ug/kg	50.00	44.73	90	
1,1-Dichloropropene	ug/kg	50.00	50.22	100	
cis-1,3-Dichloropropene	ug/kg	50.00	44.05	88	
trans-1,3-Dichloropropene	ug/kg	50.00	40.53	81	
Diisopropyl ether	ug/kg	50.00	48.14	96	
Ethylbenzene	ug/kg	50.00	49.83	100	
Hexachloro-1,3-butadiene	ug/kg	50.00	57.63	115	
2-Hexanone	ug/kg	100.00	82.83	83	
Isopropylbenzene (Cumene)	ug/kg	50.00	54.99	110	
p-Isopropyltoluene	ug/kg	50.00	49.56	99	
Methylene chloride	ug/kg	50.00	50.21	100	
4-Methyl-2-pentanone (MIBK)	ug/kg	100.00	94.69	95	
Methyl-tert-butyl ether	ug/kg	50.00	41.30	83	
Naphthalene	ug/kg	50.00	40.97	82	
n-Propylbenzene	ug/kg	50.00	52.57	105	
Styrene	ug/kg	50.00	46.65	93	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	45.97	92	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	40.66	81	
Tetrachloroethene	ug/kg	50.00	45.95	92	
Toluene	ug/kg	50.00	47.69	95	
1,2,3-Trichlorobenzene	ug/kg	50.00	50.42	101	
1,2,4-Trichlorobenzene	ug/kg	50.00	46.59	93	
1,1,1-Trichloroethane	ug/kg	50.00	48.41	97	
1,1,2-Trichloroethane	ug/kg	50.00	45.00	90	
Trichloroethene	ug/kg	50.00	47.17	94	
Trichlorofluoromethane	ug/kg	50.00	46.22	92	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

LABORATORY CONTROL SAMPLE: 926118340

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,2,3-Trichloropropane	ug/kg	50.00	39.56	79	
1,2,4-Trimethylbenzene	ug/kg	50.00	47.36	95	
1,3,5-Trimethylbenzene	ug/kg	50.00	49.10	98	
Vinyl acetate	ug/kg	100.00	69.33	69	
Vinyl chloride	ug/kg	50.00	39.97	80	
Xylene (Total)	ug/kg	150.00	149.4	100	
m&p-Xylene	ug/kg	100.00	100.8	101	
o-Xylene	ug/kg	50.00	48.55	97	
Toluene-d8 (S)				99	
4-Bromofluorobenzene (S)				98	
Dibromofluoromethane (S)				95	
1,2-Dichloroethane-d4 (S)				88	

MATRIX SPIKE: 926118365

Parameter	Units	926075722 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Benzene	ug/kg	0	61.55	77.85	126	
Chlorobenzene	ug/kg	0	61.55	78.05	127	
1,1-Dichloroethene	ug/kg	0	61.55	94.96	154	3
Toluene	ug/kg	0	61.55	79.81	130	
Trichloroethene	ug/kg	0	61.55	77.14	125	
Toluene-d8 (S)					96	
4-Bromofluorobenzene (S)					96	
Dibromofluoromethane (S)					87	
1,2-Dichloroethane-d4 (S)					81	

SAMPLE DUPLICATE: 926118357

Parameter	Units	926075573 Result	DUP Result	RPD	Footnotes
Acetone	ug/kg	180.0	160.0	10	4
Benzene	ug/kg	ND	ND	NC	
Bromobenzene	ug/kg	ND	ND	NC	
Bromochloromethane	ug/kg	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

SAMPLE DUPLICATE: 926118357

Parameter	Units	926075573 Result	DUP Result	RPD	Footnotes
Bromodichloromethane	ug/kg	ND	ND	NC	
Bromoform	ug/kg	ND	ND	NC	
Bromomethane	ug/kg	ND	ND	NC	
2-Butanone (MEK)	ug/kg	ND	ND	NC	
n-Butylbenzene	ug/kg	ND	ND	NC	
sec-Butylbenzene	ug/kg	ND	ND	NC	
tert-Butylbenzene	ug/kg	ND	ND	NC	
Carbon tetrachloride	ug/kg	ND	ND	NC	
Chlorobenzene	ug/kg	ND	ND	NC	
Chloroethane	ug/kg	ND	ND	NC	
Chloroform	ug/kg	ND	ND	NC	
Chloromethane	ug/kg	ND	ND	NC	
2-Chlorotoluene	ug/kg	ND	ND	NC	
4-Chlorotoluene	ug/kg	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND	NC	
Dibromochloromethane	ug/kg	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND	NC	
Dibromomethane	ug/kg	ND	ND	NC	
1,2-Dichlorobenzene	ug/kg	ND	ND	NC	
1,3-Dichlorobenzene	ug/kg	ND	ND	NC	
1,4-Dichlorobenzene	ug/kg	ND	ND	NC	
Dichlorodifluoromethane	ug/kg	ND	ND	NC	
1,1-Dichloroethane	ug/kg	ND	ND	NC	
1,2-Dichloroethane	ug/kg	ND	ND	NC	
1,1-Dichloroethene	ug/kg	ND	ND	NC	
cis-1,2-Dichloroethene	ug/kg	ND	ND	NC	
trans-1,2-Dichloroethene	ug/kg	ND	ND	NC	
1,2-Dichloropropane	ug/kg	ND	ND	NC	
1,3-Dichloropropane	ug/kg	ND	ND	NC	
2,2-Dichloropropane	ug/kg	ND	ND	NC	
1,1-Dichloropropene	ug/kg	ND	ND	NC	
cis-1,3-Dichloropropene	ug/kg	ND	ND	NC	
trans-1,3-Dichloropropene	ug/kg	ND	ND	NC	
Diisopropyl ether	ug/kg	ND	ND	NC	
Ethylbenzene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
2-Hexanone	ug/kg	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

SAMPLE DUPLICATE: 926118357

Parameter	Units	926075573 Result	DUP Result	RPD	Footnotes
Isopropylbenzene (Cumene)	ug/kg	ND	ND	NC	
p-Isopropyltoluene	ug/kg	ND	ND	NC	
Methylene chloride	ug/kg	51.00	49.00	4	4
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND	NC	
Methyl-tert-butyl ether	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	ND	ND	NC	
n-Propylbenzene	ug/kg	ND	ND	NC	
Styrene	ug/kg	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND	NC	
Tetrachloroethene	ug/kg	ND	ND	NC	
Toluene	ug/kg	ND	ND	NC	
1,2,3-Trichlorobenzene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
1,1,1-Trichloroethane	ug/kg	ND	ND	NC	
1,1,2-Trichloroethane	ug/kg	ND	ND	NC	
Trichloroethene	ug/kg	ND	ND	NC	
Trichlorofluoromethane	ug/kg	ND	ND	NC	
1,2,3-Trichloropropane	ug/kg	ND	ND	NC	
1,2,4-Trimethylbenzene	ug/kg	ND	ND	NC	
1,3,5-Trimethylbenzene	ug/kg	ND	ND	NC	
Vinyl acetate	ug/kg	ND	ND	NC	
Vinyl chloride	ug/kg	ND	ND	NC	
Xylene (Total)	ug/kg	ND	ND	NC	
m&p-Xylene	ug/kg	ND	ND	NC	
o-Xylene	ug/kg	ND	ND	NC	
Toluene-d8 (S)	%	100	98		
4-Bromofluorobenzene (S)	%	93	99		
Dibromofluoromethane (S)	%	93	92		
1,2-Dichloroethane-d4 (S)	%	83	84		

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137995 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260, low level
Associated Lab Samples: 926075698

METHOD BLANK: 926123605
Associated Lab Samples: 926075698

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/kg	ND	100	
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.	
2-Butanone (MEK)	ug/kg	ND	100	
n-Butylbenzene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.	
2-Chlorotoluene	ug/kg	ND	5.0	
4-Chlorotoluene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

METHOD BLANK: 926123605
Associated Lab Samples: 926075698

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
2-Hexanone	ug/kg	ND	50.	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl acetate	ug/kg	ND	50.	
Vinyl chloride	ug/kg	ND	10.	
Xylene (Total)	ug/kg	ND	5.0	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

METHOD BLANK: 926123605
Associated Lab Samples: 926075698

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Toluene-d8 (S)	%	100		
4-Bromofluorobenzene (S)	%	102		
Dibromofluoromethane (S)	%	91		
1,2-Dichloroethane-d4 (S)	%	92		

LABORATORY CONTROL SAMPLE: 926123613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/kg	100.00	69.46	70	
Benzene	ug/kg	50.00	51.39	103	
Bromobenzene	ug/kg	50.00	47.44	95	
Bromochloromethane	ug/kg	50.00	42.60	85	
Bromodichloromethane	ug/kg	50.00	48.13	96	
Bromoform	ug/kg	50.00	44.72	89	
Bromomethane	ug/kg	50.00	52.13	104	
2-Butanone (MEK)	ug/kg	100.00	78.21	78	
n-Butylbenzene	ug/kg	50.00	44.38	89	
sec-Butylbenzene	ug/kg	50.00	46.90	94	
tert-Butylbenzene	ug/kg	50.00	46.52	93	
Carbon tetrachloride	ug/kg	50.00	53.33	107	
Chlorobenzene	ug/kg	50.00	46.94	94	
Chloroethane	ug/kg	50.00	43.53	87	
Chloroform	ug/kg	50.00	48.19	96	
Chloromethane	ug/kg	50.00	38.03	76	
2-Chlorotoluene	ug/kg	50.00	47.31	95	
4-Chlorotoluene	ug/kg	50.00	47.22	94	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	36.93	74	
Dibromochloromethane	ug/kg	50.00	43.94	88	
1,2-Dibromoethane (EDB)	ug/kg	50.00	45.81	92	
Dibromomethane	ug/kg	50.00	45.26	90	
1,2-Dichlorobenzene	ug/kg	50.00	47.30	95	
1,3-Dichlorobenzene	ug/kg	50.00	46.60	93	
1,4-Dichlorobenzene	ug/kg	50.00	45.23	90	
Dichlorodifluoromethane	ug/kg	50.00	29.53	59	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

LABORATORY CONTROL SAMPLE: 926123613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,1-Dichloroethane	ug/kg	50.00	46.25	92	
1,2-Dichloroethane	ug/kg	50.00	42.11	84	
1,1-Dichloroethene	ug/kg	50.00	53.05	106	
cis-1,2-Dichloroethene	ug/kg	50.00	43.28	87	
trans-1,2-Dichloroethene	ug/kg	50.00	47.71	95	
1,2-Dichloropropane	ug/kg	50.00	49.03	98	
1,3-Dichloropropane	ug/kg	50.00	45.41	91	
2,2-Dichloropropane	ug/kg	50.00	46.40	93	
1,1-Dichloropropene	ug/kg	50.00	48.33	97	
cis-1,3-Dichloropropene	ug/kg	50.00	47.21	94	
trans-1,3-Dichloropropene	ug/kg	50.00	42.99	86	
Diisopropyl ether	ug/kg	50.00	47.30	95	
Ethylbenzene	ug/kg	50.00	50.12	100	
Hexachloro-1,3-butadiene	ug/kg	50.00	54.19	108	
2-Hexanone	ug/kg	100.00	87.22	87	
Isopropylbenzene (Cumene)	ug/kg	50.00	54.73	109	
p-Isopropyltoluene	ug/kg	50.00	44.72	89	
Methylene chloride	ug/kg	50.00	47.71	95	
4-Methyl-2-pentanone (MIBK)	ug/kg	100.00	90.91	91	
Methyl-tert-butyl ether	ug/kg	50.00	44.17	88	
Naphthalene	ug/kg	50.00	41.57	83	
n-Propylbenzene	ug/kg	50.00	48.36	97	
Styrene	ug/kg	50.00	48.24	96	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	47.64	95	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	40.62	81	
Tetrachloroethene	ug/kg	50.00	48.72	97	
Toluene	ug/kg	50.00	48.88	98	
1,2,3-Trichlorobenzene	ug/kg	50.00	52.51	105	
1,2,4-Trichlorobenzene	ug/kg	50.00	50.71	101	
1,1,1-Trichloroethane	ug/kg	50.00	47.66	95	
1,1,2-Trichloroethane	ug/kg	50.00	44.13	88	
Trichloroethene	ug/kg	50.00	50.68	101	
Trichlorofluoromethane	ug/kg	50.00	41.89	84	
1,2,3-Trichloropropane	ug/kg	50.00	45.01	90	
1,2,4-Trimethylbenzene	ug/kg	50.00	44.81	90	
1,3,5-Trimethylbenzene	ug/kg	50.00	45.21	90	
Vinyl acetate	ug/kg	100.00	117.0	117	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

LABORATORY CONTROL SAMPLE: 926123613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Vinyl chloride	ug/kg	50.00	37.40	75	
Xylene (Total)	ug/kg	150.00	150.6	100	
m&p-Xylene	ug/kg	100.00	101.3	101	
o-Xylene	ug/kg	50.00	49.33	99	
Toluene-d8 (S)				98	
4-Bromofluorobenzene (S)				102	
Dibromofluoromethane (S)				92	
1,2-Dichloroethane-d4 (S)				84	

MATRIX SPIKE: 926123639

Parameter	Units	926086000 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Benzene	ug/kg	14.72	58.67	121.2	182	5
Chlorobenzene	ug/kg	0	58.67	82.48	141	
1,1-Dichloroethene	ug/kg	0	58.67	117.9	201	5
Toluene	ug/kg	9.066	58.67	81.17	123	
Trichloroethene	ug/kg	25.34	58.67	87.86	107	
Toluene-d8 (S)					83	
4-Bromofluorobenzene (S)					70	6
Dibromofluoromethane (S)					112	
1,2-Dichloroethane-d4 (S)					106	

SAMPLE DUPLICATE: 926123621

Parameter	Units	926085986 Result	DUP Result	RPD	Footnotes
Acetone	ug/kg	150.0	130.0	19	
Benzene	ug/kg	ND	ND	NC	
Bromobenzene	ug/kg	ND	ND	NC	
Bromochloromethane	ug/kg	ND	ND	NC	
Bromodichloromethane	ug/kg	ND	ND	NC	
Bromoform	ug/kg	ND	ND	NC	
Bromomethane	ug/kg	ND	ND	NC	
2-Butanone (MEK)	ug/kg	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

SAMPLE DUPLICATE: 926123621

Parameter	Units	926085986 Result	DUP Result	RPD	Footnotes
n-Butylbenzene	ug/kg	ND	ND	NC	
sec-Butylbenzene	ug/kg	ND	ND	NC	
tert-Butylbenzene	ug/kg	ND	ND	NC	
Carbon tetrachloride	ug/kg	ND	ND	NC	
Chlorobenzene	ug/kg	85.00	50.00	52	7,8
Chloroethane	ug/kg	ND	ND	NC	
Chloroform	ug/kg	ND	ND	NC	
Chloromethane	ug/kg	ND	ND	NC	
2-Chlorotoluene	ug/kg	ND	ND	NC	
4-Chlorotoluene	ug/kg	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND	NC	
Dibromochloromethane	ug/kg	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND	NC	
Dibromomethane	ug/kg	ND	ND	NC	
1,2-Dichlorobenzene	ug/kg	ND	ND	NC	
1,3-Dichlorobenzene	ug/kg	ND	ND	NC	
1,4-Dichlorobenzene	ug/kg	ND	ND	NC	
Dichlorodifluoromethane	ug/kg	ND	ND	NC	
1,1-Dichloroethane	ug/kg	ND	ND	NC	
1,2-Dichloroethane	ug/kg	ND	ND	NC	
1,1-Dichloroethene	ug/kg	ND	ND	NC	
cis-1,2-Dichloroethene	ug/kg	3600	3400	7	9
trans-1,2-Dichloroethene	ug/kg	12.00	11.00	12	
1,2-Dichloropropane	ug/kg	ND	ND	NC	
1,3-Dichloropropane	ug/kg	ND	ND	NC	
2,2-Dichloropropane	ug/kg	ND	ND	NC	
1,1-Dichloropropene	ug/kg	ND	ND	NC	
cis-1,3-Dichloropropene	ug/kg	ND	ND	NC	
trans-1,3-Dichloropropene	ug/kg	ND	ND	NC	
Diisopropyl ether	ug/kg	ND	ND	NC	
Ethylbenzene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
2-Hexanone	ug/kg	ND	ND	NC	
Isopropylbenzene (Cumene)	ug/kg	ND	ND	NC	
p-Isopropyltoluene	ug/kg	ND	ND	NC	
Methylene chloride	ug/kg	38.00	37.00	3	4
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

SAMPLE DUPLICATE: 926123621

Parameter	Units	926085986 Result	DUP Result	RPD	Footnotes
Methyl-tert-butyl ether	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	ND	7.900	0	7
n-Propylbenzene	ug/kg	ND	ND	NC	
Styrene	ug/kg	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND	NC	
Tetrachloroethene	ug/kg	43000	44000	3	
Toluene	ug/kg	ND	ND	NC	
1,2,3-Trichlorobenzene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
1,1,1-Trichloroethane	ug/kg	ND	ND	NC	
1,1,2-Trichloroethane	ug/kg	ND	ND	NC	
Trichloroethene	ug/kg	ND	13000	145	8,9
Trichlorofluoromethane	ug/kg	ND	ND	NC	
1,2,3-Trichloropropane	ug/kg	ND	ND	NC	
1,2,4-Trimethylbenzene	ug/kg	12.00	ND	NC	
1,3,5-Trimethylbenzene	ug/kg	ND	ND	NC	
Vinyl acetate	ug/kg	ND	ND	NC	
Vinyl chloride	ug/kg	ND	ND	NC	
Xylene (Total)	ug/kg	ND	ND	NC	
m&p-Xylene	ug/kg	ND	ND	NC	
o-Xylene	ug/kg	ND	ND	NC	
Toluene-d8 (S)	%	61	71		10
4-Bromofluorobenzene (S)	%	66	74		10
Dibromofluoromethane (S)	%	109	117		
1,2-Dichloroethane-d4 (S)	%	104	102		

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 138086 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260, low level
Associated Lab Samples: 926075581

METHOD BLANK: 926128232
Associated Lab Samples: 926075581

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/kg	ND	100	
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.	
2-Butanone (MEK)	ug/kg	ND	100	
n-Butylbenzene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.	
2-Chlorotoluene	ug/kg	ND	5.0	
4-Chlorotoluene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

METHOD BLANK: 926128232
Associated Lab Samples: 926075581

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
2-Hexanone	ug/kg	ND	50.	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl acetate	ug/kg	ND	50.	
Vinyl chloride	ug/kg	ND	10.	
Xylene (Total)	ug/kg	ND	5.0	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

METHOD BLANK: 926128232
Associated Lab Samples: 926075581

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Toluene-d8 (S)	%	98		
4-Bromofluorobenzene (S)	%	99		
Dibromofluoromethane (S)	%	94		
1,2-Dichloroethane-d4 (S)	%	88		

LABORATORY CONTROL SAMPLE: 926128240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/kg	100.00	75.24	75	
Benzene	ug/kg	50.00	46.51	93	
Bromobenzene	ug/kg	50.00	47.11	94	
Bromochloromethane	ug/kg	50.00	42.41	85	
Bromodichloromethane	ug/kg	50.00	45.35	91	
Bromoform	ug/kg	50.00	43.05	86	
Bromomethane	ug/kg	50.00	46.98	94	
2-Butanone (MEK)	ug/kg	100.00	90.70	91	
n-Butylbenzene	ug/kg	50.00	44.46	89	
sec-Butylbenzene	ug/kg	50.00	46.64	93	
tert-Butylbenzene	ug/kg	50.00	45.03	90	
Carbon tetrachloride	ug/kg	50.00	48.65	97	
Chlorobenzene	ug/kg	50.00	44.76	90	
Chloroethane	ug/kg	50.00	42.01	84	
Chloroform	ug/kg	50.00	45.69	91	
Chloromethane	ug/kg	50.00	36.72	73	
2-Chlorotoluene	ug/kg	50.00	44.87	90	
4-Chlorotoluene	ug/kg	50.00	44.27	88	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	43.22	86	
Dibromochloromethane	ug/kg	50.00	43.04	86	
1,2-Dibromoethane (EDB)	ug/kg	50.00	45.49	91	
Dibromomethane	ug/kg	50.00	41.10	82	
1,2-Dichlorobenzene	ug/kg	50.00	44.41	89	
1,3-Dichlorobenzene	ug/kg	50.00	44.70	89	
1,4-Dichlorobenzene	ug/kg	50.00	44.27	88	
Dichlorodifluoromethane	ug/kg	50.00	29.00	58	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

LABORATORY CONTROL SAMPLE: 926128240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,1-Dichloroethane	ug/kg	50.00	45.59	91	
1,2-Dichloroethane	ug/kg	50.00	42.16	84	
1,1-Dichloroethene	ug/kg	50.00	50.39	101	
cis-1,2-Dichloroethene	ug/kg	50.00	42.55	85	
trans-1,2-Dichloroethene	ug/kg	50.00	47.51	95	
1,2-Dichloropropane	ug/kg	50.00	43.38	87	
1,3-Dichloropropane	ug/kg	50.00	44.16	88	
2,2-Dichloropropane	ug/kg	50.00	44.86	90	
1,1-Dichloropropene	ug/kg	50.00	46.88	94	
cis-1,3-Dichloropropene	ug/kg	50.00	44.06	88	
trans-1,3-Dichloropropene	ug/kg	50.00	40.80	82	
Diisopropyl ether	ug/kg	50.00	46.42	93	
Ethylbenzene	ug/kg	50.00	48.47	97	
Hexachloro-1,3-butadiene	ug/kg	50.00	52.00	104	
2-Hexanone	ug/kg	100.00	90.17	90	
Isopropylbenzene (Cumene)	ug/kg	50.00	52.42	105	
p-Isopropyltoluene	ug/kg	50.00	43.32	87	
Methylene chloride	ug/kg	50.00	47.41	95	
4-Methyl-2-pentanone (MIBK)	ug/kg	100.00	93.72	94	
Methyl-tert-butyl ether	ug/kg	50.00	44.12	88	
Naphthalene	ug/kg	50.00	39.48	79	
n-Propylbenzene	ug/kg	50.00	47.93	96	
Styrene	ug/kg	50.00	44.71	89	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	45.96	92	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	41.26	82	
Tetrachloroethene	ug/kg	50.00	47.07	94	
Toluene	ug/kg	50.00	44.17	88	
1,2,3-Trichlorobenzene	ug/kg	50.00	49.63	99	
1,2,4-Trichlorobenzene	ug/kg	50.00	46.51	93	
1,1,1-Trichloroethane	ug/kg	50.00	46.51	93	
1,1,2-Trichloroethane	ug/kg	50.00	39.55	79	
Trichloroethene	ug/kg	50.00	45.72	91	
Trichlorofluoromethane	ug/kg	50.00	39.59	79	
1,2,3-Trichloropropane	ug/kg	50.00	40.26	80	
1,2,4-Trimethylbenzene	ug/kg	50.00	44.07	88	
1,3,5-Trimethylbenzene	ug/kg	50.00	43.96	88	
Vinyl acetate	ug/kg	100.00	117.0	117	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

LABORATORY CONTROL SAMPLE: 926128240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Vinyl chloride	ug/kg	50.00	36.98	74	
Xylene (Total)	ug/kg	150.00	141.3	94	
m&p-Xylene	ug/kg	100.00	94.97	95	
o-Xylene	ug/kg	50.00	46.36	93	
Toluene-d8 (S)				98	
4-Bromofluorobenzene (S)				101	
Dibromofluoromethane (S)				98	
1,2-Dichloroethane-d4 (S)				94	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137406 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, TCLP Leachate
Associated Lab Samples: 926075581

METHOD BLANK: 926094632
Associated Lab Samples: 926075581

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926094640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0026	104	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926094657 926094665

Parameter	Units	926061201 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0	0.0025	0.0016	0.0016	64	64	1	5,5

SAMPLE DUPLICATE: 926094673

Parameter	Units	926066671 Result	DUP Result	RPD	Footnotes
Mercury	mg/l	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137410 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Trace ICP Metals, TCLP Leach.
Associated Lab Samples: 926075581

METHOD BLANK: 926094848
Associated Lab Samples: 926075581

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic	mg/l	ND	0.025	
Barium	mg/l	ND	0.025	
Cadmium	mg/l	ND	0.0050	
Chromium	mg/l	ND	0.010	
Lead	mg/l	ND	0.025	
Selenium	mg/l	ND	0.025	
Silver	mg/l	ND	0.010	

LABORATORY CONTROL SAMPLE: 926094855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic	mg/l	2.500	2.435	97	
Barium	mg/l	2.500	2.460	98	
Cadmium	mg/l	2.500	2.355	94	
Chromium	mg/l	2.500	2.380	95	
Lead	mg/l	2.500	2.335	93	
Selenium	mg/l	2.500	2.365	95	
Silver	mg/l	2.500	2.395	96	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926094863 926094871

Parameter	Units	926061201 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic	mg/l	0.00333	2.500	2.470	2.555	99	102	3	
Barium	mg/l	0.1340	2.500	2.520	2.600	95	99	3	
Cadmium	mg/l	0.02265	2.500	2.285	2.370	90	94	4	
Chromium	mg/l	0.00296	2.500	2.290	2.380	92	95	4	
Lead	mg/l	0.01100	2.500	2.220	2.305	88	92	4	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926094863 926094871

Parameter	Units	926061201 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Selenium	mg/l	0.01805	2.500	2.425	2.510	96	100	3	
Silver	mg/l	0.00086	2.500	2.355	2.415	94	97	3	

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Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137162 Analysis Method: % Moisture
QC Batch Method: Analysis Description: Percent Moisture
Associated Lab Samples: 926075482 926075490

SAMPLE DUPLICATE: 926079211

Parameter	Units	926066705 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	22.10	22.30	1	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137193 Analysis Method: % Moisture
QC Batch Method: Analysis Description: Percent Moisture
Associated Lab Samples: 926075508 926075516 926075524 926075532

SAMPLE DUPLICATE: 926080334

Parameter	Units	926079724 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	26.60	26.40	1	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137199 Analysis Method: % Moisture
QC Batch Method: Analysis Description: Percent Moisture
Associated Lab Samples: 926075540 926075557 926075565 926075573 926075581
926075599 926075607 926075615 926075623 926075631
926075649 926075656 926075664 926075672 926075680
926075698 926075706 926075714

SAMPLE DUPLICATE: 926080540

Parameter	Units	926075540 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	19.00	14.50	27	

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QUALITY CONTROL DATA

Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QC Batch: 137295 Analysis Method: % Moisture
QC Batch Method: Analysis Description: Percent Moisture
Associated Lab Samples: 926075722 926075730

SAMPLE DUPLICATE: 926086935

Parameter	Units	926086232 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	16.50	17.90	8	

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Lab Project Number: 92102806
Client Project ID: ROW-132/WBS#32179

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	Recovery falls outside of QC limits, however, this compound is not found in the associated samples.
[2]	Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of the two remaining acid surrogates.
[3]	The surrogate and/or spike recovery was outside acceptance limits.
[4]	Common laboratory contaminant.
[5]	The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
[6]	The surrogate recovery was outside QC acceptance limits due to matrix interference.
[7]	The reported result may be biased high due to matrix interference with the internal standard. This was confirmed by reanalysis of the sample.
[8]	The calculated RPD was outside QC acceptance limits.
[9]	Compound concentration exceeds the calibration range of the instrument (CLP E-Flag).
[10]	Low surrogate recovery was confirmed as a matrix effect by a second analysis.

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