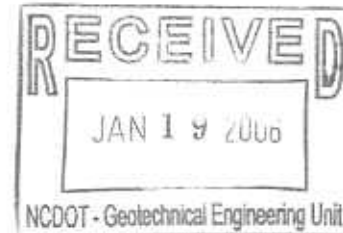


January 19, 2006

Mr. Greg Smith
North Carolina Department of Transportation
Geotechnical Engineering Unit
1589 Mail Service Center
Raleigh, North Carolina 27699-1589



Reference: Preliminary Site Assessment
Willie Gautier Property
6399 US 17 North
Old Ford, Beaufort County, North Carolina
NCDOT Project R-2510C
WBS Element 34440.1.1
Earth Tech Project No. 90389

Dear Mr. Smith:

Earth Tech of North Carolina, Inc., (Earth Tech) has completed the Preliminary Site Assessment conducted at the above-referenced property. The work was performed in accordance with the Technical and Cost proposal dated November 17, 2005, and the North Carolina Department of Transportation's (NCDOT's) Notice to Proceed dated November 22, 2005. Activities associated with the assessment consisted of collecting soil and groundwater samples for laboratory analysis, and reviewing applicable North Carolina Department of Environment and Natural Resources (NCDENR) records. The purpose of this report is to document the field activities, present the laboratory analyses, and provide recommendations regarding the property.

Location and Description

The Willie Gautier Property is located at 6399 US 17 North in Old Ford, North Carolina. The property is situated on the west side of US 17 approximately 1700 feet north of the intersection of US 17 and NC 171 (Figure 1). Based on information supplied by the NCDOT and the site visit, Earth Tech understands that the site is an inactive gas station/convenience store (Marvin's) where a pump island was noted in front of the building and two vent pipes were noted in the rear of the building. The underground storage tank (UST) locations were not observed, but were assumed to be located either near the pump island or on the south side of the building near the vent pipes. The property consists of a single-story commercial-type building with an asphalt drive (Figure 2). Because of the unknown status of potential USTs, the NCDOT requested a Preliminary Site Assessment to evaluate the soils on the property.

Earth Tech reviewed the North Carolina Department of Environment and Natural Resources (NCDENR) Incident Management database and no incident number was listed for this location. Earth Tech also reviewed the UST registration database to evaluate if USTs were present at the location. No USTs were registered for this address.

Geophysical Survey

Prior to Earth Tech's mobilization to the site, Schnabel Engineering conducted a geophysical survey to evaluate if USTs were present on the property. The geophysical survey consisted of an electromagnetic survey with a follow up with a ground penetrating radar (GPR) survey.

Several anomalies were detected in the geophysical survey. None of the anomalies were attributed to possible USTs. However, a linear anomaly from the pump island and the vent pipes converged onto a depressed area on the south side of the building (Figure 2). While not expressly stated in the geophysical report, Earth Tech and Schnabel, in discussions of the data, agreed that the depressed area was consistent with an area where USTs had been present, but removed. The locations of the borings for the site assessment were based on this information. A detailed report of the geophysical survey is presented in Attachment A.

Site Assessment Activities

On December 20, 2005, Earth Tech mobilized to the site to conduct a Geoprobe[®] direct push investigation to evaluate soil conditions on the property. Continuous sampling using direct push technology (Regional Probing of Wake Forest, North Carolina) resulted in generally good recovery of soil samples from the direct-push holes. Soil samples were collected and contained in 4-foot long acetate sleeves inside the direct push sampler. Each of these sleeves was divided in half for soil sample screening. Each 2-foot interval was placed in a resealable plastic bag and the bag was set aside for a sufficient amount of time to allow volatilization of organic compounds from the soil to the bag headspace. The probe of a flame-ionization detector (FID) was inserted into the bag and the reading was recorded. After terminating the sample hole, the soil sample from the depth interval with the highest FID reading was submitted to Paradigm Analytical Laboratories, Inc., in Wilmington, North Carolina, using standard chain-of-custody procedures. The laboratory analyzed the soil samples for total petroleum hydrocarbons (TPH) using extraction methods 3550 (diesel range organics) and 5030 (gasoline range organics).

Nine direct-push holes (WG-1 through WG-9) were advanced at the site to a depth of 8 feet as shown in Figure 2 and Attachment B. The borings were located to evaluate the depressed area and the pump island (Attachment C). Borings WG-1 was located to evaluate the central portion of the depressed area. Borings WG-6 and WG-7 were located to assess the pump island. The remaining borings were located to evaluate the horizontal extent of the potential soil contamination as defined by the field screening readings. The lithology encountered by the direct-push samples generally was consistent throughout the site. The ground surface for the boring locations was covered with about 4 inches of topsoil or asphalt and gravel. Below the surface treatment to a depth of 8 feet was a

mottled medium brown, tan, and black silty clay to silty sand. Groundwater was encountered in the initial boring at a depth of about 8 feet. As a result the remaining borings were terminated at a depth of 8 feet. Based on field screening, soil samples were submitted for laboratory analysis, which are summarized in Table 1.

The shallow groundwater depth suggests that any contamination present in the soil would impact the groundwater. To evaluate the groundwater conditions, a water sample was collected from boring WG-4 (Figure 2), which was the boring in which the highest field screening reading was recorded. The groundwater sample was collected using the direct-push equipment. The direct push probe was advanced into the groundwater and the screen exposed. The water sample was collected with a peristaltic sampling pump. After purging the well to reduce turbidity, the water sample was transferred directly into laboratory-supplied containers. The containers were placed on ice and transported to the laboratory for analysis of volatile organic compounds using EPA Method 6230D and semivolatile organic compounds using EPA Method 625.

Analytical Results

Based on the soil laboratory reports, summarized in Table 1 and presented in Attachment D, petroleum hydrocarbon compounds were detected in four of the nine soil samples collected from the site (Figure 3). The soil sample collected from boring WG-1 contained total petroleum hydrocarbons (TPH) identified as diesel fuel (DRO) at a concentration of 33.5 milligrams per kilogram (mg/kg) and TPH identified as gasoline (GRO) at a concentration of 144 mg/kg. The soil sample collected from boring WG-4 contained DRO at a concentration of 1510 mg/kg and GRO at a concentration of 3890 mg/kg. The soil sample collected from boring WG-6 contained a DRO concentration of 12.2 mg/kg and a GRO concentration of 19.5 mg/kg. The soil sample collected from boring WG-7 contained a DRO concentration of 13.3 mg/kg and a GRO concentration of 51.7 mg/kg. No TPH concentrations were detected in any of the remaining soil samples. According to the North Carolina Underground Storage Tank Section's Underground Storage Tank Closure Policy dated August 24, 1998, the action level for TPH analyses is 10 mg/kg for both gasoline and diesel fuel. However, that agency's "Guidelines for Assessment and Corrective Action," dated April 2001, does not allow for use of TPH analyses for confirmation of the extent of petroleum contamination or its cleanup. As a result, while TPH concentrations are no longer applicable in determining if soil contamination is present, this analysis is a legitimate screening tool. Based on the TPH action level for UST closures, the assumed action level for this report is 10 mg/kg for both DRO and GRO. The soil samples from borings WG-1, WG-4, WG-6, and WG-7 contained DRO and GRO concentrations above the 10 mg/kg assumed action level.

The laboratory reports for the groundwater, summarized in Table 2 and presented in Attachment D, indicate that several compounds were detected in the sample from boring WG-4. The compounds detected in the groundwater sample included volatile and semivolatile organic compounds. Of the compounds detected, benzene (1730 µg/l), Toluene (9250 µg/l), ethylbenzene (1790 µg/l), xylenes (7290 µg/l), 1,3,5-trimethylbenzene (616 µg/l), n-propylbenzene (290 µg/l), and naphthalene (762 µg/l) were present at concentrations above the respective groundwater quality standard.

Conclusions and Recommendations

A Preliminary Site Assessment was conducted to evaluate the Willie Gautier Property located at 6399 US 17 North in Old Ford, Beaufort County, North Carolina. Nine soil borings were advanced to evaluate the soil and groundwater conditions on the property. The laboratory reports of four of the nine soil samples from these borings suggest that DRO and GRO concentrations are present above the assumed action level. One groundwater sample was collected for analysis. The analytical results of the groundwater sample (boring WG-4) indicated that numerous compounds were present at concentrations above the groundwater quality standards. Based on the isoconcentration contours presented in Figure 3, the source of the contamination at the site is the likely former USTs. The depth of contamination at the pump island suggests that the source is the USTs, not the dispensers or product lines.

To evaluate the volume of soil requiring possible remediation, the soil samples with TPH concentrations above 10 mg/kg were considered. The analytical results of the soil samples suggest that the soil from borings WG-1, WG-4, WG-6, and WG-7 contained TPH concentrations above the assumed action level. A review of the field screening readings (Table 1) suggests that, with the exception of boring WG-4, a maximum contaminated soil thickness of 2 feet (from a depth of 6 to 8 feet) is likely. The area immediately around boring WG-4 appears to contain contamination from the ground surface to a depth of 8 feet. The volume of potentially affected soil was estimated based on the 10 mg/kg isoconcentration contour shown on Figure 3. With a thickness of 2 feet and an average width of 70 feet and average length of 95 feet, the estimated volume of contaminated soil is about 493 cubic yards. In addition, the area at boring WG-4 must be taken into account. The previous calculation included the depth from 6 to 8 feet at boring WG-4; therefore, the contamination thickness is 6 feet. For the purpose of this report and based on the geometry of the soil contaminant plume, the area within a radius of 5 feet of boring WG-4 is considered contaminated. With a thickness of 6 feet and a radius of 5 feet, the estimated volume of contaminated soil in this area is about 18 cubic yards. The total estimated volume of contaminated soil is about 511 cubic yards. This volume is estimated from TPH analytical data, which are no longer valid for remediation of sites reported after January 2, 1998. After this date, MADEP EPH/VPH and EPA Method 8260/8270 analyses will likely be required to confirm cleanup. However, these analyses do not correlate exactly with TPH data and, as a result, the actual volume of contaminated soil may be higher or lower.

Earth Tech appreciates the opportunity to work with the NCDOT on this project. Because contamination was detected at the site, Earth Tech recommends that a copy of this report be submitted to the Division of Waste Management, UST Section, in the Washington Regional Office. If you have any questions, please contact me at (919)854-6238.

Sincerely,



Michael W. Branson, P.G.
Project Manager

Attachments

c: Project File



TABLE 1
 FIELD SCREENING AND ANALYTICAL RESULTS
 GAUTIER PROPERTY
 OLD FORD, BEAUFORT COUNTY, NORTH CAROLINA
 NCDOT PROJECT NO. 9.689002T (R-967CA)
 EARTH TECH PROJECT NO. 90389

LOCATION	DEPTH (m)	OVA READING (ppm)	SAMPLE ID	ANALYTICAL RESULTS (mg/kg)	ACTION LEVEL (mg/kg)
WG-1	0 - 2	3.4			
	2 - 4	121			
	4 - 6	16			
	6 - 8	1881	WG-1	DRO (33.5) GRO (144)	10 10
WG-2	0 - 2	2.44	WG-2	DRO (BQL) GRO (BQL)	10 10
	2 - 4	2.01			
	4 - 6	1.79			
	6 - 8	1.87			
WG-3	0 - 2	0.88			
	2 - 4	1.02			
	4 - 6	0.95			
	6 - 8	65	WG-3	DRO (BQL) GRO (BQL)	10 10
WG-4	0 - 2	151			
	2 - 4	126			
	4 - 6	268			
	6 - 8	14900	WG-4	DRO (1510) GRO (3890)	10 10
WG-5	0 - 2	1.72	WG-5	DRO (BQL) GRO (BQL)	10 10
	2 - 4	1.03			
	4 - 6	0.76			
	6 - 8	0.89			
WG-6	0 - 2	0.44			
	2 - 4	0.48			
	4 - 6	4.51			
	6 - 8	1643	WG-6	DRO (12.2) GRO (19.5)	10 10
WG-7	0 - 2	0.31			
	2 - 4	0.21			
	4 - 6	0.23			
	6 - 8	99	WG-7	DRO (13.3) GRO (51.7)	10 10
WG-8	0 - 2	0.15			
	2 - 4	0.51			
	4 - 6	0.69	WG-8	DRO (BQL) GRO (BQL)	10 10
	6 - 8	0.37			
WG-9	0 - 2	0.51			
	2 - 4	0.61			
	4 - 6	1.03	WG-9	DRO (BQL) GRO (BQL)	10 10
	6 - 8	0.86			
WG-10	0 - 2	0.48			
	2 - 4	0.54	WG-10	DRO (BQL) GRO (BQL)	10 10
	4 - 6	0.08			
	6 - 8	0.33			

DRO - Diesel range organics
 GRO - Gasoline range organics
 BQL - Below quantitation limit.
 ppm - parts per million.
 mg/kg - milligrams per kilogram.

BOLD values are above the assumed action level.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
GAUTIER PROPERTY
OLD FORD, BEAUFORT COUNTY, NORTH CAROLINA
NCDOT PROJECT NO. 9.689002T (R-967CA)
EARTH TECH PROJECT NO. 90389

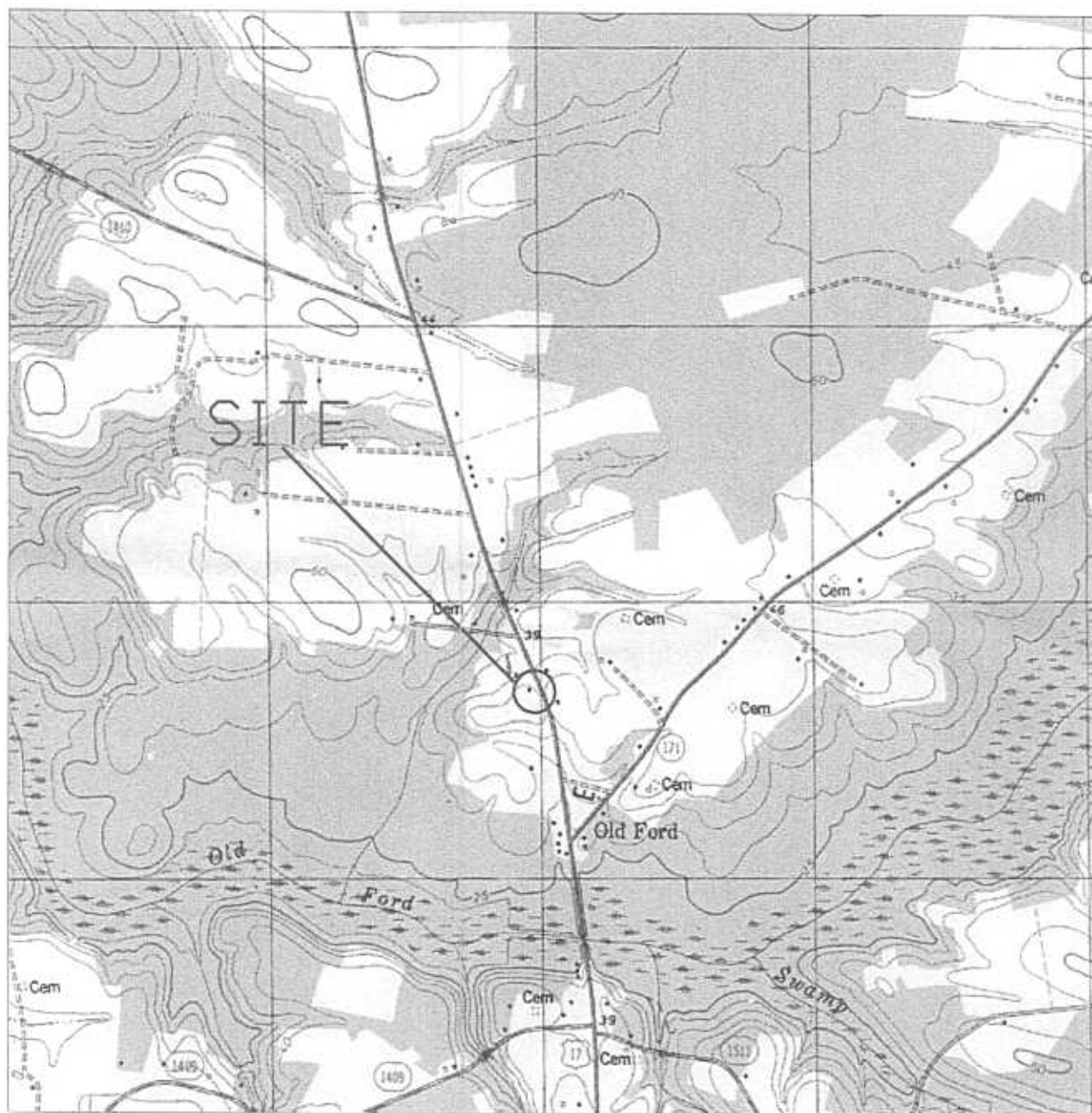
COMPOUND	CONCENTRATION	GROUNDWATER QUALITY STANDARD
Benzene	1730	1
Toluene	9250	1000
Ethylbenzene	1790	550
Xylenes	7290	530
MTBE	<250	200
n-Butylbenzene	<250	70
sec-Butylbenzene	<250	70
tert-Butylbenzene	<250	70
1,3,5-Trimethylbenzene	616	350
1,2,4-Trimethylbenzene	<250	350
Isopropyl ether	<250	70
Isopropylbenzene	<250	70
n-Propylbenzene	290	70
p-Isopropyltoluene	<250	NE
Naphthalene (Method 6230D)	762	21
Phenol	<10	300
Naphthalene (Method 625)	374	21

All concentrations expressed as micrograms per liter.

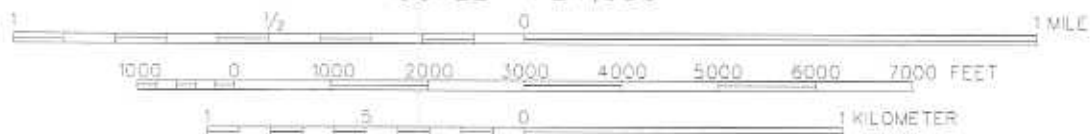
BOLD values are above the method detection limit.

Shaded values are above the Groundwater Quality Standard.

FIGURES



SCALE 1:24,000



SOURCE: U.S. GEOLOGICAL SURVEY 7.5 MIN QUADRANGLE: OLD FORD, NC (1979)

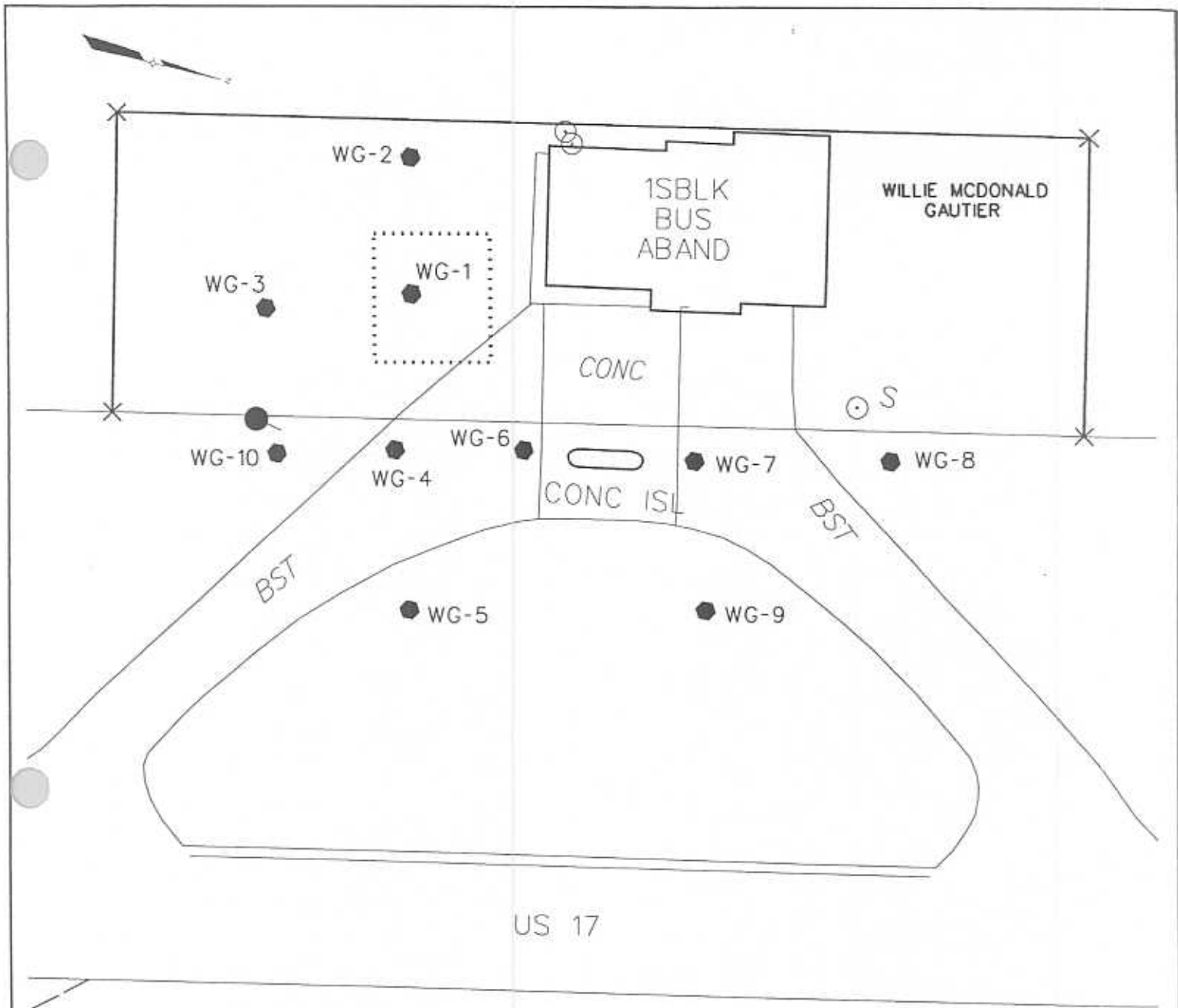
EARTH  TECH

FIGURE 1
VICINITY MAP

GAUTIER PROPERTY
OLD FORD, BEAUFORT COUNTY NORTH CAROLINA

DECEMBER 2005

90389



LEGEND

WG-1 ●



SOIL SAMPLE LOCATION AND IDENTIFICATION



FORMER UST AREA AS IDENTIFIED BY GEOPHYSICAL SURVEY



E A R T H  T E C H

FIGURE 2

SITE MAP

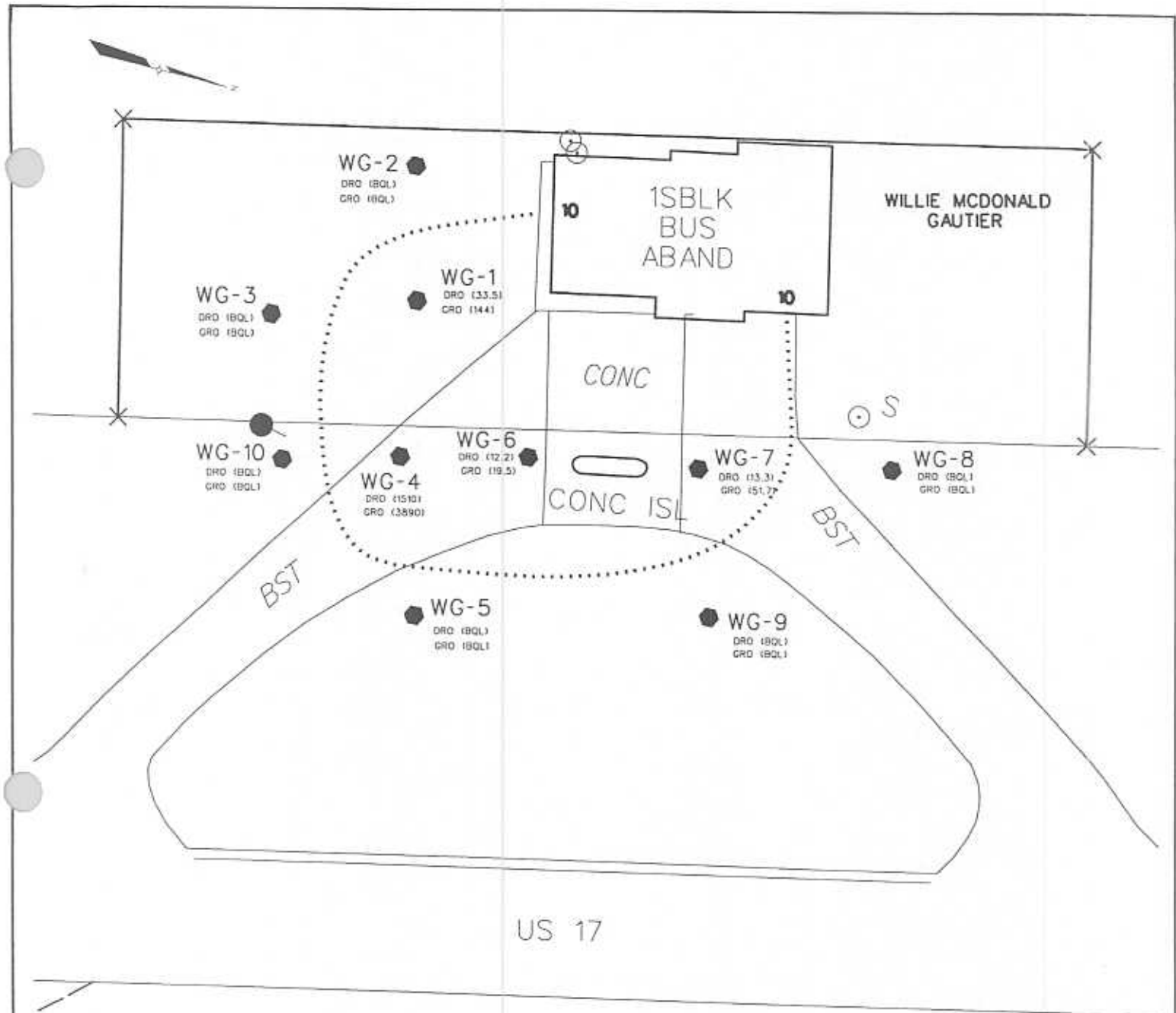
GAUTIER PROPERTY

OLD FORD, BEAUFORT COUNTY, NORTH CAROLINA

DECEMBER 2005

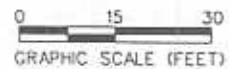
90389

R2510C_Pdy_psh_019.dgn 1/12/2006 1:50:28 PM



LEGEND

- SOIL SAMPLE LOCATION
- DRO (123) TPH AS DIESEL FUEL IN MG/KG
- GRO (123) TPH AS GASOLINE IN MG/KG
- BQL BELOW QUANTITATION LIMIT
- 10..... ISOCONCENTRATION CONTOUR IN MG/KG

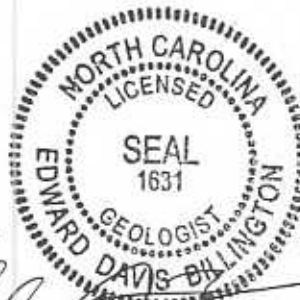


ATTACHMENT A

North Carolina Department of Transportation

**GEOPHYSICAL SURVEYS
FOR RIGHT-OF-WAY PROPERTIES**

State Project R-2510C, WBS Element 34440.1.1
US 17 from South of SR 1001 to North of NC 171
Beaufort County, North Carolina



A handwritten signature in black ink, appearing to read "Edward Davis", written over the bottom portion of the professional seal.

January 12, 2006

Project Number 05210014.01-04



11-A Oak Branch Drive, Greensboro, North Carolina 27407
Phone (336) 274-9456; Fax (336) 274-9486

1.0 INTRODUCTION

The work described in this report was conducted by Schnabel Engineering under our contract with the NCDOT. The work was conducted at the locations indicated to support environmental assessment of the subject parcels. The purpose of the geophysical surveys was to locate possible metal underground storage tanks (UST's) and associated metal product lines in the accessible areas of the sites.

Schnabel Engineering conducted geophysical surveys on November 29 & 30 and December 1, 2, 13 & 14 2005, in the accessible areas of the proposed sections of the parcels owned by [REDACTED] [REDACTED] Willie Gautier (Marvin's gas station). Photographs of these properties and the UST'S markouts are included on Figures 1 and 2.

The geophysical investigation consisted of electromagnetic (EM) induction surveys using a Geonics EM61-MK2 instrument. The EM61 metal detector is used to locate metal objects buried up to about eight feet below ground surface. Ground-penetrating radar (GPR) investigations of selected EM61 anomalies were conducted using a Geophysical Survey Systems SIR-2000 system equipped with a 400 MHz antenna. A Fisher Gemini-3 was used in the conduction mode to trace exposed vent pipes and product lines. Photographs of these instruments are shown in Figure 3.

2.0 FIELD METHODOLOGY

2.1 Location Control

Locations of geophysical data points and site features were obtained using a sub-meter Trimble Pro-XRS DGPS system. References to direction and location in this report are based on the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 83 datum, with units in feet. The locations of existing site features (building, curbs, signs, etc.) were recorded for later correlation with the geophysical data and for location references to the NCDOT drawings.

2.2 Data Collection

The EM61 data were collected along parallel survey lines spaced approximately 2.5 feet apart. The EM61 and DGPS data were recorded digitally using a field computer and later transferred to a desktop computer for data processing. The GPR data were collected along survey lines spaced one to two feet apart in two orthogonal directions over anomalous EM readings that did not appear to be caused by known metal objects. The GPR data were reviewed in the field to evaluate the possible presence of UST's. The GPR data also were recorded digitally and later transferred to a desktop computer for further review. The Gemini-3 was used in the conduction mode on some of the properties by grounding the transmitter and clamping it onto an exposed vent pipe or product line, and then tracing the location of the charged pipe out with the receiver.

Preliminary results were sent to Mike Branson of Earth Tech on December 16, 2005.

3.0 DISCUSSION OF RESULTS

The contoured EM61 data are shown on Figures 4 through 11. The EM61 early time gate results are plotted on Figures 4, 6, 8, and 10. The early time gate data provide the most sensitive detection of metal object targets, regardless of size. Figures 5, 7, 9, and 11 show the difference between the response of the top and bottom coils of the EM61 instrument (differential response). The difference is taken to remove the effect of surface and very shallowly buried metallic objects. Typically, the differential response emphasizes anomalies from deeper and larger objects such as UST's.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

... on the site. The GPR ... presence of ...

...

...

...

...

...

...

...

...

...

...

...

3.5 Willie Gautier Property

The parcel owned by Willie Gautier is located on the west side of US 17 approximately 1700 feet north of NC 171 in Oldford, NC. This parcel is currently a vacant gas station. The EM61 results are shown on Figure 10 (early time gate) and Figure 11 (differential). The early time gate results show several small anomalies probably caused by insignificant buried metal objects, several linear anomalies apparently caused by buried utilities, and a number of anomalies caused by known site features. Most of the observed anomalies not attributed to known cultural features are removed in the differential data set. A linear anomaly leading from a pump island to a depressed area on site was observed in the EM61 data and further investigated with the Gemini-3. The Gemini-3 was used in the conduction mode to trace the product lines from the pump island to the depressed area. The signal from the energized product lines ended at the edge of the asphalt pavement next to the grassy depressed area. The Gemini-3 was unable to trace the vent pipes, which were in close proximity to the depressed area. GPR surveys were conducted to investigate the EM61 differential anomalies and

the depressed area next to the building. The GPR data did not indicate the presence of UST's in the areas surveyed.

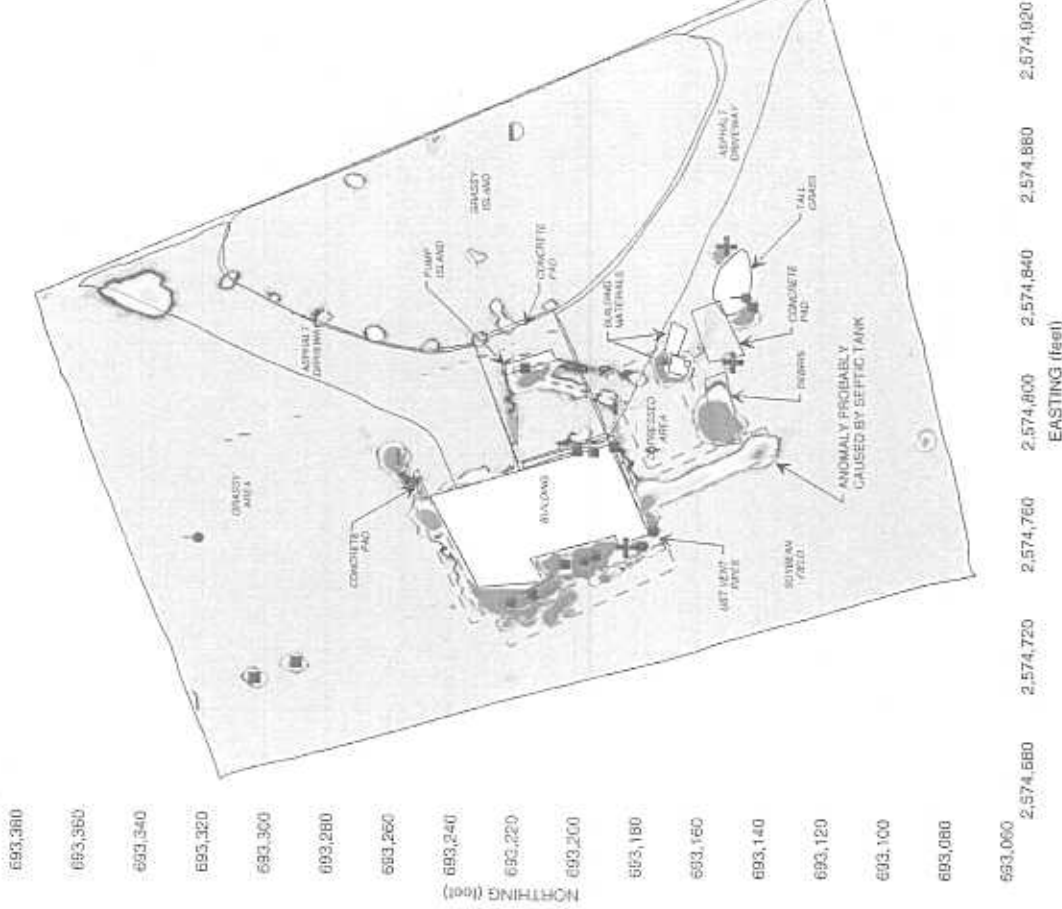
4.0 CONCLUSIONS

Our evaluation of the geophysical data collected over the five parcels on State Project R-2510-C in Beaufort County, NC indicate the following:

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- The geophysical data do not indicate the presence of UST's in the areas surveyed on the Gautier [REDACTED] properties.

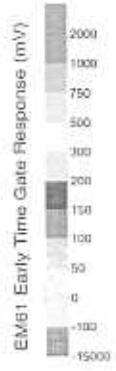
5.0 LIMITATIONS

These services have been performed and this report prepared for the North Carolina Department of Transportation in accordance with generally accepted guidelines for conducting geophysical surveys. It is generally recognized that the results of geophysical surveys are non-unique and may not represent actual subsurface conditions.



Note: The contour plot shows the earliest and most sensitive time gate of the EM61 bottom coil/cantenna in millivolts (mV). The EM data were collected on November 30 through December 2, 2005, using a Geonics EM61-MK2 instrument. Positioning for EM61 survey provided using a submeter Trimble ProXR5 DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 1983 datum. GPS data were acquired on December 13 & 14, 2005, using a Geophysical Survey Systems, Inc. SIF-2000 equipped with a 400 MHz antenna.

- EXPLANATION**
- SHAR SURVEY AREA - DATA ACQUIRED APPROXIMATELY 10 METERS SURFCE
 - APPROXIMATE LOCATION OF PRODUCT LINES NOT MARKED ON SURFACE
 - ⊕ IRON WIRE
 - ⊖ SOIL
 - ⊙ UTILITY
 - ⊙ METALLIC OBJECT
 - ▲ TREES
 - ▲ UTILITY POLE
 - FIRE
 - IGH SURVEY AREA
 - ⊙ APPROXIMATE LOCATION OF PRODUCT LINES NOT MARKED ON SURFACE



NC Department of Transportation
Geotechnical Engineering Unit
State Project No. R-2510C
Washington, North Carolina

GAUTIER PROPERTY
EM61 EARLY
TIME GATE RESPONSE

FIGURE 10

ATTACHMENT B

TEST BORING REPORT

PROJECT WASHINGTON PSAs - GAUTIER PROPERTY
CLIENT NCDOT
PROJECT NUMBER 90389
CONTRACTOR REGIONAL PROBING
EQUIPMENT GEOPROBE

BORING NUMBER WG-1
PAGE 1
ELEVATION _____
DATE 12/20/05
DRILLER OPPER
PREPARED BY BRANSON

DEPTH IN FEET	OVA (ppm)	BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
5.0	3.4				4" TOPSOIL, MEDIUM BROWN TO MEDIUM GRAY SAND, DRY, NO ODOR.
	121				MEDIUM BROWN SILTY/CLAYEY SAND, MOIST, NO ODOR.
	16				MEDIUM TO OLIVE BROWN CLAY, SOFT, MOIST, NO ODOR.
	1881				AS ABOVE, MOIST, STRONG ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
10.0					
15.0					
20.0					

GROUNDWATER AT 8 FEET. BORING TERMINATED AT 8 FEET.

TEST BORING REPORT

PROJECT WASHINGTON PSAs - GAUTIER PROPERTY
CLIENT NCDOT
PROJECT NUMBER 90389
CONTRACTOR REGIONAL PROBING
EQUIPMENT GEOPROBE

BORING NUMBER WG-2
PAGE 1
ELEVATION
DATE 12/20/05
DRILLER OPPER
PREPARED BY BRANSON

DEPTH IN FEET	OVA (ppm)	BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
	2.44				4" TOPSOIL, MEDIUM TO DARK BROWN, MEDIUM-GRAINED SAND, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
	2.01				MOTTLED MEDIUM BROWN, TAN, AND BLACK SILTY CLAY, DRY, NO ODOR.
5.0	1.79				AS ABOVE, DRY, NO ODOR.
	1.87				AS ABOVE WITH SILT DECREASING, DRY, NO ODOR.
10.0					BORING TERMINATED AT 8 FEET.
15.0					
20.0					

TEST BORING REPORT

PROJECT <u>WASHINGTON PSAs - GAUTIER PROPERTY</u> CLIENT <u>NCDOT</u> PROJECT NUMBER <u>90389</u> CONTRACTOR <u>REGIONAL PROBING</u> EQUIPMENT <u>GEOPROBE</u>	BORING NUMBER <u>WG-3</u> PAGE <u>1</u> ELEVATION _____ DATE <u>12/20/05</u> DRILLER <u>OPPER</u> PREPARED BY <u>BRANSON</u>
--	---

DEPTH IN FEET	OVA (ppm)	BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
	0.88				6" TOPSOIL, MEDIUM BROWN, COARSE-GRAINED SAND, DRY, NO ODOR.
	1.02				AS ABOVE, MOIST, NO ODOR
5.0	0.95				AS ABOVE, MOIST, NO ODOR.
	65				MEDIUM TO OLIVE BROWN SANDY CLAY, MOIST, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
10.0					BORING TERMINATED AT 8 FEET.
15.0					
20.0					

TEST BORING REPORT

PROJECT WASHINGTON PSAs - GAUTIER PROPERTY
CLIENT NCDOT
PROJECT NUMBER 90389
CONTRACTOR REGIONAL PROBING
EQUIPMENT GEOPROBE

BORING NUMBER WG-4
PAGE 1
ELEVATION _____
DATE 12/20/05
DRILLER OPPER
PREPARED BY BRANSON

DEPTH IN FEET	OVA (ppm)	BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
5.0	151				4" ASPHALT/GRAVEL, MOTTLED MEDIUM BROWN, TAN, AND BLACK SILTY CLAY, DRY, SLIGHT ODOR. AS ABOVE, DRY, MODERATE ODOR. AS ABOVE, DRY, MODERATE ODOR. AS ABOVE, DRY, MODERATE ODOR. SUBMIT TO LABORATORY FOR ANALYSIS. BORING TERMINATED AT 8 FEET.
	126				
	268				
	14,900				
10.0					
15.0					
20.0					

TEST BORING REPORT

PROJECT WASHINGTON PSAs - GAUTIER PROPERTY
 CLIENT NCDOT
 PROJECT NUMBER 90389
 CONTRACTOR REGIONAL PROBING
 EQUIPMENT GEOPROBE

BORING NUMBER WG-5
 PAGE 1
 ELEVATION _____
 DATE 12/20/05
 DRILLER OPPER
 PREPARED BY BRANSON

DEPTH IN FEET	OVA (ppm)	BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
5.0	1.72				4" TOPSOIL, MOTTLED MEDIUM BROWN, TAN, AND BLACK SILTY CLAY, DRY, SLIGHT ODOR. AS ABOVE, DRY, NO ODOR. AS ABOVE, DRY, NO ODOR. AS ABOVE, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS. BORING TERMINATED AT 8 FEET.
		1.03			
		0.76			
10.0	0.89				
15.0					
20.0					

TEST BORING REPORT

PROJECT WASHINGTON PSAs - GAUTIER PROPERTY
CLIENT NCDOT
PROJECT NUMBER 90389
CONTRACTOR REGIONAL PROBING
EQUIPMENT GEOPROBE

BORING NUMBER WG-6
PAGE 1
ELEVATION _____
DATE 12/20/05
DRILLER OPPER
PREPARED BY BRANSON

DEPTH IN FEET	OVA (ppm)	BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
	0.44				4" ASPHALT/GRAVEL, MOTTLED MEDIUM BROWN, TAN, AND BLACK SILTY CLAY, DRY, SLIGHT ODOR.
	0.48				AS ABOVE, DRY, NO ODOR.
5.0	4.51				AS ABOVE, DRY, NO ODOR.
	1,643				AS ABOVE, DRY, MODERATE ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
					BORING TERMINATED AT 8 FEET.
10.0					
15.0					
20.0					

TEST BORING REPORT

PROJECT WASHINGTON PSAs - GAUTIER PROPERTY
CLIENT NCDOT
PROJECT NUMBER 90389
CONTRACTOR REGIONAL PROBING
EQUIPMENT GEOPROBE

BORING NUMBER WG-7
PAGE 1
ELEVATION _____
DATE 12/20/05
DRILLER OPPER
PREPARED BY BRANSON

DEPTH IN FEET	OVA (ppm)	BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
	0.31				4" ASPHALT/GRAVEL, MOTTLED MEDIUM BROWN, TAN, AND BLACK SILTY CLAY, DRY, NO ODOR.
	0.21				AS ABOVE, DRY, NO ODOR.
5.0	0.23				AS ABOVE, DRY, NO ODOR.
	99				AS ABOVE, DRY, MODERATE ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
					BORING TERMINATED AT 8 FEET.
10.0					
15.0					
20.0					

TEST BORING REPORT

PROJECT WASHINGTON PSAs - GAUTIER PROPERTY
CLIENT NCDOT
PROJECT NUMBER 90389
CONTRACTOR REGIONAL PROBING
EQUIPMENT GEOPROBE

BORING NUMBER WG-8
PAGE 1
ELEVATION _____
DATE 12/20/05
DRILLER OPPER
PREPARED BY BRANSON

DEPTH IN FEET	OVA (ppm)	BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
5.0	0.15				4" TOPSOIL, MOTTLED MEDIUM BROWN, TAN, AND BLACK SILTY CLAY, DRY, NO ODOR.
	0.51				
10.0	0.69				AS ABOVE, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
	0.37				
15.0					BORING TERMINATED AT 8 FEET.
20.0					

TEST BORING REPORT

PROJECT <u>WASHINGTON PSAs - GAUTIER PROPERTY</u> CLIENT <u>NCDOT</u> PROJECT NUMBER <u>90389</u> CONTRACTOR <u>REGIONAL PROBING</u> EQUIPMENT <u>GEOPROBE</u>	BORING NUMBER <u>WG-9</u> PAGE <u>1</u> ELEVATION _____ DATE <u>12/20/05</u> DRILLER <u>OPPER</u> PREPARED BY <u>BRANSON</u>
--	---

DEPTH IN FEET	OVA (ppm)	BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
	0.51				4" TOPSOIL, MOTTLED MEDIUM BROWN, TAN, AND BLACK SILTY CLAY, DRY, NO ODOR.
	0.61				AS ABOVE, DRY, NO ODOR.
5.0	1.03				AS ABOVE, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
	0.86				AS ABOVE, DRY, NO ODOR.
10.0					BORING TERMINATED AT 8 FEET.
15.0					
20.0					

TEST BORING REPORT

PROJECT WASHINGTON PSAs - GAUTIER PROPERTY

CLIENT NCDOT

PROJECT NUMBER 90389

CONTRACTOR REGIONAL PROBING

EQUIPMENT GEOPROBE

BORING NUMBER WG-10

PAGE 1

ELEVATION _____

DATE 12/20/05

DRILLER OPPER

PREPARED BY BRANSON

DEPTH IN FEET	OVA (ppm)	BLOWS PER 6 INCHES	SAMPLE NUMBER	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS	
5.0	0.48				4" TOPSOIL, MOTTLED MEDIUM BROWN, TAN, AND BLACK SILTY CLAY, DRY, NO ODOR.	
	0.54					AS ABOVE, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
	0.08					AS ABOVE, DRY, NO ODOR.
10.0	0.33				AS ABOVE, DRY, NO ODOR.	
15.0						
20.0						
					BORING TERMINATED AT 8 FEET.	

ATTACHMENT C









ATTACHMENT D

PARADIGM ANALYTICAL LABORATORIES, INC.

5500 Business Drive
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557

Mr. Mike Branson
Earth Tech
701 Corporate Dr. Suite 475
Raleigh NC 27607

Report Number: G204-504

Client Project: NCDOT-Gautier

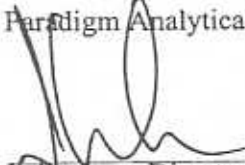
Dear Mr. Branson:

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

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

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
Paradigm Analytical Laboratories, Inc.



Laboratory Director
J. Patrick Weaver

1/6/06

(Date)

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: WG-1
Client Project ID: NCDOT-Gautier
Lab Sample ID: G204-504-1
Lab Project ID: G204-504
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 12/20/05 9:00
Date Received: 12/22/05
Matrix: Soil
Solids 78.83

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	144	30.4	5030	4	12/30/05
Diesel Range Organics	33.5	7.42	3545	1	12/29/05

Comments:

Reviewed By:
TPH_LIMS_v1.02.XLS

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Total Petroleum Hydrocarbons

by GC/FID 8015

Client Sample ID: WG-2

Client Project ID: NCDOT-Gautier

Lab Sample ID: G204-504-2

Lab Project ID: G204-504

Report Basis: Dry Weight

Analyzed By: MJC

Date Collected: 12/20/05 9:20

Date Received: 12/22/05

Matrix: Soil

Solids 85.25

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7.04	5030	1	12/30/05
Diesel Range Organics	BQL	7.21	3545	1	12/29/05

Comments:

Reviewed By:
TPH_LIMS_v1.02.XLS

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: WG-3
 Client Project ID: NCDOT-Gautier
 Lab Sample ID: G204-504-3
 Lab Project ID: G204-504
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 12/20/05 9:40
 Date Received: 12/22/05
 Matrix: Soil
 Solids 80.47

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7.46	5030	1	12/30/05
Diesel Range Organics	BQL	7.31	3545	1	12/29/05

Comments:

Reviewed By:
 TPH_LIMS_v1.02.XLS

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: WG-4
Client Project ID: NCDOT-Gautier
Lab Sample ID: G204-504-4
Lab Project ID: G204-504
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 12/20/05 9:45
Date Received: 12/22/05
Matrix: Soil
Solids 77.20

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	3890	777	5030	100	12/30/05
Diesel Range Organics	1510	72	3545	10	12/30/05

Comments:

Reviewed By:
TPH_LIMS_v1.92.XLS

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: WG-5
Client Project ID: NCDOT-Gautier
Lab Sample ID: G204-504-5
Lab Project ID: G204-504
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 12/20/05 10:00
Date Received: 12/22/05
Matrix: Soil
Solids 81.02

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7.41	5030	1	12/30/05
Diesel Range Organics	BQL	7.31	3545	1	12/29/05

Comments:

Reviewed By:
TPH_LIMS_v1.02.XLS

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: WG-6
 Client Project ID: NCDOT-Gautier
 Lab Sample ID: G204-504-6
 Lab Project ID: G204-504
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 12/20/05 10:10
 Date Received: 12/22/05
 Matrix: Soil
 Solids 73.27

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	19.5	8.19	5030	1	12/30/05
Diesel Range Organics	12.2	7.81	3545	1	12/29/05

Comments:

Reviewed By: RJ
 TPH_LIMS_v1 02.XLS

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: WG-7
Client Project ID: NCDOT-Gautier
Lab Sample ID: G204-504-7
Lab Project ID: G204-504
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 12/20/05 10:20
Date Received: 12/22/05
Matrix: Soil
Solids 78.29

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	51.7	7.66	5030	1	12/30/05
Diesel Range Organics	13.3	7.67	3545	1	12/29/05

Comments:

Reviewed By:
TPH_LIMS_v1 B2.XLS

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: WG-8
Client Project ID: NCDOT-Gautier
Lab Sample ID: G204-504-8
Lab Project ID: G204-504
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 12/20/05 10:30
Date Received: 12/22/05
Matrix: Soil
Solids 76.92

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7.8	5030	1	12/30/05
Diesel Range Organics	BQL	7.74	3545	1	12/30/05

Comments:

Reviewed By:
TPH_LIMS_v1.B2.XLS

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Total Petroleum Hydrocarbons

by GC/FID 8015

Client Sample ID: WG-9
Client Project ID: NCDOT-Gautier
Lab Sample ID: G204-504-9
Lab Project ID: G204-504
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 12/20/05 10:40
Date Received: 12/22/05
Matrix: Soil
Solids 76.15

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7.88	5030	1	12/30/05
Diesel Range Organics	BQL	7.84	3545	1	12/30/05

Comments:

Reviewed By:
TPH_UMS_v1.02.XLS

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: WG-10
 Client Project ID: NCDOT-Gautier
 Lab Sample ID: G204-504-10
 Lab Project ID: G204-504
 Report Basis: Dry Weight

Analyzed By: MJC
 Date Collected: 12/20/05 11:00
 Date Received: 12/22/05
 Matrix: Soil
 Solids 79.08

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7.59	5030	1	12/30/05
Diesel Range Organics	BQL	7.32	3545	1	12/30/05

Comments:

Reviewed By:
 TPH_LIMS_v1.82.XLS

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles
by GC 6230D

Client Sample ID: WG-4-GW
Client Project ID: NCDOT-Gautier
Lab Sample ID: G204-504-11A
Lab Project ID: G204-504

Analyzed By: MJC
Date Collected: 12/20/05 11:20
Date Received: 12/22/05
Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Benzene	1730	250	500	12/23/05
Bromobenzene	BQL	5.00	10	12/28/05
Bromochloromethane	BQL	5.00	10	12/28/05
Bromodichloromethane	BQL	5.00	10	12/28/05
Bromoform	BQL	5.00	10	12/28/05
Bromomethane	BQL	5.00	10	12/28/05
n-Butylbenzene	BQL	250	500	12/23/05
sec-Butylbenzene	BQL	250	500	12/23/05
tert-Butylbenzene	BQL	250	500	12/23/05
Carbon tetrachloride	BQL	5.00	10	12/28/05
Chlorobenzene	BQL	5.00	10	12/28/05
Chloroethane	BQL	5.00	10	12/28/05
Chloroform	BQL	5.00	10	12/28/05
Chloromethane	BQL	5.00	10	12/28/05
2-Chlorotoluene	BQL	5.00	10	12/28/05
4-Chlorotoluene	BQL	5.00	10	12/28/05
Dibromochloromethane	BQL	5.00	10	12/28/05
1,2-Dibromo-3-chloropropane	BQL	5.00	10	12/28/05
1,2-Dibromoethane (EDB)	BQL	5.00	10	12/28/05
Dibromomethane	BQL	5.00	10	12/28/05
1,2-Dichlorobenzene	BQL	5.00	10	12/28/05
1,3-Dichlorobenzene	BQL	5.00	10	12/28/05
1,4-Dichlorobenzene	BQL	5.00	10	12/28/05
Dichlorodifluoromethane	BQL	5.00	10	12/28/05
1,1-Dichloroethane	BQL	5.00	10	12/28/05
1,2-Dichloroethane	BQL	5.00	10	12/28/05
1,1-Dichloroethene	BQL	5.00	10	12/28/05
cis-1,2-Dichloroethene	BQL	5.00	10	12/28/05
trans-1,2-Dichloroethene	BQL	5.00	10	12/28/05
1,2-Dichloropropane	BQL	5.00	10	12/28/05
2,2-Dichloropropane	BQL	5.00	10	12/28/05
cis-1,3-Dichloropropene	BQL	5.00	10	12/28/05
trans-1,3-Dichloropropene	BQL	5.00	10	12/28/05
Diisopropyl ether (DIPE)	BQL	250	500	12/23/05
Ethylbenzene	1790	250	500	12/23/05
Hexachlorobutadiene	BQL	5.00	10	12/28/05
Isopropylbenzene	BQL	250	500	12/23/05
p-Isopropyltoluene	BQL	250	500	12/23/05
Methyl-tert butyl ether (MTBE)	BQL	250	500	12/23/05

Reviewed By: PNP

GC_LIMS_v2.0.XLS 12 of 17

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 6230D

Client Sample ID: WG-4-GW
 Client Project ID: NCDOT-Gautier
 Lab Sample ID: G204-504-11A
 Lab Project ID: G204-504

Analyzed By: MJC
 Date Collected: 12/20/05 11:20
 Date Received: 12/22/05
 Matrix: Water

Analyte	Result ug/L	RL ug/L	Dilution Factor	Date Analyzed
Methylene Chloride	BQL	50.0	10	12/28/05
Naphthalene	762	250	500	12/23/05
n-Propylbenzene	290	250	500	12/23/05
Styrene	BQL	500	500	12/23/05
1,1,1,2-Tetrachloroethane	BQL	5.00	10	12/28/05
1,1,2,2-Tetrachloroethane	BQL	5.00	10	12/28/05
Tetrachloroethene	BQL	5.00	10	12/28/05
Toluene	9250	250	500	12/23/05
1,2,3-Trichlorobenzene	BQL	5.00	10	12/28/05
1,2,4-Trichlorobenzene	BQL	5.00	10	12/28/05
1,1,1-Trichloroethane	BQL	5.00	10	12/28/05
1,1,2-Trichloroethane	BQL	5.00	10	12/28/05
Trichloroethene	BQL	5.00	10	12/28/05
Trichlorofluoromethane	BQL	5.00	10	12/28/05
1,2,3-Trichloropropane	BQL	5.00	10	12/28/05
1,2,4-Trimethylbenzene	BQL	250	500	12/23/05
1,3,5-Trimethylbenzene	616	250	500	12/23/05
Vinyl Chloride	BQL	5.00	10	12/28/05
m/p-Xylene	5170	500	500	12/23/05
o-Xylene	2120	500	500	12/23/05

Surrogate Spike Recoveries

	Spike Added	Spike Result	Percent Recovery
Trifluorotoluene	40	38.7	96.7
1,4-Dichlorobutane	40	40.0	99.9

Comments:

All values corrected for dilution.
 BQL = Below quantitation limit.

Reviewed By:
 GC_LIMS_V2.0.XLS

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles
by GCMS 625

Client Sample ID: WG-4-GW
Client Project ID: NCDOT-Gautier
Lab Sample ID: G204-504-11E
Lab Project ID: G204-504

Analyzed By: MRC
Date Collected: 12/20/2005 11:20
Date Received: 12/22/2005
Date Extracted: 12/27/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Acenaphthene	BQL	10.0	1	12/30/2005
Acenaphthylene	BQL	10.0	1	12/30/2005
Anthracene	BQL	10.0	1	12/30/2005
Benzo[a]anthracene	BQL	10.0	1	12/30/2005
Benzo[a]pyrene	BQL	10.0	1	12/30/2005
Benzo[b]fluoranthene	BQL	10.0	1	12/30/2005
Benzo[g,h,i]perylene	BQL	10.0	1	12/30/2005
Benzo[k]fluoranthene	BQL	10.0	1	12/30/2005
Bis(2-chloroethoxy)methane	BQL	10.0	1	12/30/2005
Bis(2-chloroethyl)ether	BQL	10.0	1	12/30/2005
Bis(2-chloroisopropyl)ether	BQL	10.0	1	12/30/2005
Bis(2-ethylhexyl)phthalate	BQL	10.0	1	12/30/2005
4-bromophenyl phenyl ether	BQL	10.0	1	12/30/2005
Butylbenzylphthalate	BQL	10.0	1	12/30/2005
2-Chloronaphthalene	BQL	10.0	1	12/30/2005
2-Chlorophenol	BQL	10.0	1	12/30/2005
4-Chloro-3-methylphenol	BQL	10.0	1	12/30/2005
4-Chlorophenyl phenyl ether	BQL	10.0	1	12/30/2005
Chrysene	BQL	10.0	1	12/30/2005
Dibenzo[a,h]anthracene	BQL	10.0	1	12/30/2005
Di-n-Butylphthalate	BQL	10.0	1	12/30/2005
1,2-Dichlorobenzene	BQL	10.0	1	12/30/2005
1,3-Dichlorobenzene	BQL	10.0	1	12/30/2005
1,4-Dichlorobenzene	BQL	10.0	1	12/30/2005
3,3'-Dichlorobenzidine	BQL	20.0	1	12/30/2005
2,4-Dichlorophenol	BQL	10.0	1	12/30/2005
Diethylphthalate	BQL	10.0	1	12/30/2005
Dimethylphthalate	BQL	10.0	1	12/30/2005
2,4-Dimethylphenol	BQL	10.0	1	12/30/2005
Di-n-octylphthalate	BQL	10.0	1	12/30/2005
4,6-Dinitro-2-methylphenol	BQL	50.0	1	12/30/2005
2,4-Dinitrophenol	BQL	50.0	1	12/30/2005
2,4-Dinitrotoluene	BQL	10.0	1	12/30/2005
2,6-Dinitrotoluene	BQL	10.0	1	12/30/2005
Diphenylamine *	BQL	10.0	1	12/30/2005
Fluoranthene	BQL	10.0	1	12/30/2005
Fluorene	BQL	10.0	1	12/30/2005
Hexachlorobenzene	BQL	10.0	1	12/30/2005
Hexachlorobutadiene	BQL	10.0	1	12/30/2005
Hexachlorocyclopentadiene	BQL	20.0	1	12/30/2005
Hexachloroethane	BQL	10.0	1	12/30/2005
Indeno(1,2,3-c,d)pyrene	BQL	10.0	1	12/30/2005

Results for Semivolatiles
by GCMS 625

Client Sample ID: WG-4-GW
Client Project ID: NCDOT-Gautier
Lab Sample ID: G204-504-11E
Lab Project ID: G204-504

Analyzed By: MRC
Date Collected: 12/20/2005 11:20
Date Received: 12/22/2005
Date Extracted: 12/27/2005
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	Dilution Factor	Date Analyzed
Isophorone	BQL	10.0	1	12/30/2005
Naphthalene	374	10.0	1	12/30/2005
Nitrobenzene	BQL	10.0	1	12/30/2005
2-Nitrophenol	BQL	10.0	1	12/30/2005
4-Nitrophenol	BQL	50.0	1	12/30/2005
N-Nitrosodi-n-propylamine	BQL	10.0	1	12/30/2005
Pentachlorophenol	BQL	50.0	1	12/30/2005
Phenanthrene	BQL	10.0	1	12/30/2005
Phenol	BQL	10.0	1	12/30/2005
Pyrene	BQL	10.0	1	12/30/2005
1,2,4-Trichlorobenzene	BQL	10.0	1	12/30/2005
2,4,6-Trichlorophenol	BQL	10.0	1	12/30/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.5	75
2-Fluorophenol	10	7.5	75
Nitrobenzene-d5	10	10.8	108
Phenol-d6	10	7.6	76
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	11.1	111

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

List of Reporting Abbreviations
and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

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

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

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

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

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

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

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

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

PARADIGM ANALYTICAL LABORATORIES, INC.

5500 Business Drive, Wilmington, NC 28405

Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of-Custody Record & Analytical Request

COC# 48874

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Client: EAITH TELL Project ID: NECOR-GARRE Date: 12/20/05 Report To: MIKE BARRISON
 Address: 701 Corporate Center Dr Contact: MIKE BARRISON Turnaround: 57 HOURS Job Number: 90389 Invoice To: NECOR
 Address: Suite 475 Phone: 919 854 6238 P.O. Number: 1085# 34440.1.1
 Quote #: Raleigh, NC 27607 Fax: 919 854 6259

Sample ID	Date	Time	Matrix	Preservatives		Analyses			Comments: Please specify any special reporting requirements
WLG-1	12/20/05	0900	Soil			DR0			G204-504
WLG-2		0920	Soil			GRO	6230D		
WLG-3		0940	Soil				625		
WLG-4		0945	Soil						1 Above NECOR under
WLG-5		1000	Soil						Blavet PO
WLG-6		1010	Soil						
WLG-7		1020	Soil						
WLG-8		1030	Soil						
WLG-9		1040	Soil						
WLG-10		1100	Soil						
WLG-4-GW		1120	Water						
Relinquished By: <u>MPM</u>	Date: <u>12/21/05</u>	Time: <u>NOV</u>	Received By: <u>MIKE BARRISON</u>	Date: <u>12/20/05</u>	Time: <u>1330</u>	Temperature: <u>2.8°C</u>	State Certification Requested: <u>NC</u> <u>X</u> <u>SC</u> <u>Other</u>		

ORIGINAL