Preliminary Site Assessment Buddy Wood Property Parcel #48 Boone, Watauga County, NC

H&H Job No. ROW-148 State Project U-4020 WBS Element # 35015.1.1 May 29, 2008



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Preliminary Site Assessment Report Buddy Wood Property Parcel #48 Boone, Watauga County, North Carolina H&H Project ROW-148

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Preliminary Site Assessment Report Buddy Wood Property Parcel #48 Boone, Watauga County, North Carolina H&H Project ROW-148

1.0 Introduction

Hart & Hickman, PC (H&H) has prepared this Preliminary Site Assessment (PSA) report documenting assessment activities performed at the Buddy Wood property (Parcel #48) located at 663 East King Street in Boone, Watauga County, North Carolina. This assessment was conducted on behalf of the North Carolina Department of Transportation (NC DOT) in accordance with H&H's February 29, 2008 proposal.

The purpose of this assessment was to determine the presence or absence of impacted soil at the subject property in proposed right-of-way construction areas related to the widening of US Highway 421 (State Project U-4020). A site location map is included as Figure 1 and a site map is presented as Figure 2. The NC DOT preliminary plan of the US Highway 421 widening area near the Buddy Wood property is attached as Appendix A.

Based on information provided by NC DOT and property neighbors, the subject site operates as Wood Masonry Supply Company and may have operated as a gas station at some unspecified time in the past. According to an Environmental Data Resources (EDR) report for the site vicinity, the property does not appear on the North Carolina Underground Storage Tank (UST) database and H&H did not observe surface evidence of current USTs or evidence of UST removal on the property.

2.0 Site Assessment

Soil Assessment Field Activities

H&H mobilized to the Buddy Wood property (Parcel #48) on April 8, 2008 to advance 7 soil borings (48-1 through 48-7) by direct push technology (DPT). Prior to advancing the soil borings, H&H reviewed a geophysical survey performed by Schnabel Engineering (Schnabel) on March 11 and 18, 2008. Schnabel utilized ground penetrating radar (GPR) and time domain electromagnetic (TDEM) technology to identify geophysical anomalies and potential USTs at the site. The Schnabel

results indicated a magnetic anomaly on the southeastern portion of the property as a potential 270-gallon UST. Follow-up with GPR also showed evidence of a potential UST at the property. Maps depicting the results of the GPR and TDEM results are included in Appendix B.

Prior to conducting soil borings, utilities were marked via NC One Call and by DOT's contractor, Vaughn and Melton. Borings were also cleared to 5 ft depth by hand auger. H&H utilized Geologic Exploration of Statesville, North Carolina to advance soil borings 48-1 through 48-7 by DPT (see Figure 2). Borings were installed to depths of 10 to 12 ft. To facilitate the selection of soil samples for laboratory analysis from these borings, soil was screened continuously for the presence of volatile organic compounds (VOCs) with an organic vapor analyzer (OVA). Additionally, H&H observed the soil for visual and olfactory indications of petroleum impacts. In general, soil samples that exhibited the highest reading on the OVA were selected for laboratory analysis. Soil boring logs for 48-1 through 48-7 are included in Appendix C.

H&H submitted 7 samples (48-1 @ 2-5 ft; 48-2 @ 0-2 ft; 48-3 @ 2-5 ft; 48-4 @ 2-5 ft; 48-5 @ 5-7 ft; 48-6 @ 2-5 ft; and 48-7 @ 0-2 ft. Soil samples are identified by the NC DOT Parcel number, soil boring, and the depth in feet of sample collection. Samples were sent to Prism Laboratories Inc. of Charlotte, North Carolina for analysis of total petroleum hydrocarbons (TPH) by EPA Method 8015B for gasoline-range organics (GRO) and diesel-range organics (DRO). Table 1 summarizes sample depths and analytical results. The laboratory analytical report and chain-of-custody documentation for this site are provided in Appendix D. The chain-of-custody form includes samples from other properties. The analytical results are discussed below.

3.0 Analytical Results

TPH GRO and TPH DRO were detected in two of the seven soil samples analyzed. TPH DRO concentrations were detected in samples 48-1 (2-5 ft) and 48-7 (0-2 ft) above NC DENR Action Levels and TPH GRO concentrations were detected above the NC DENR Action Level in 48-1 (2-5 ft).

Based on laboratory analytical results and OVA readings, low level TPH concentrations are situated on Parcel 48 in two areas between the existing curb of East King Street and the proposed utility

easement line. H&H estimates that there are a total of 300 cubic yards (420 tons) of impacted soil in the southwest corner of Parcel 48 and 100 cubic yards (140 tons) in the southeast corner of Parcel 48. In both cases, the impacted soil is situated between the existing northern curb of East King Street and the proposed utility easement line. Based on OVA readings, it is assumed that the impacted soil extends to at least 10 ft in the southwest corner of Parcel 48 and to approximately 6 ft in the southeast corner of Parcel 48. DOT plans indicate a proposed fill of 1.5 ft in this area. Because this is a fill area, most of the impacted soil will not likely be disturbed. However, impacted soil will be generated by any soil grading work below the existing grade and during utility line installations in the aforementioned areas. Impacted soil that is removed should be properly managed and disposed at a permitted facility.

Based on the geophysical survey, one UST appears to be present within the proposed utility easement area. Soil impacts were detected just southeast of this UST in boring 48-1 (2-5 ft). This UST and its contents should be removed and disposed in accordance with NCDENR regulations.

4.0 Summary and Regulatory Considerations

H&H has reviewed Geophysical survey results and collected soil samples at Parcel 48. One UST appears to be present within the proposed utility easement area. Analytical results and OVA readings indicate low level concentrations of TPH GRO and TPH DRO above NC DENR Action Levels. H&H estimates that there are a total of 400 cubic yards (560 tons) of impacted soil above 10 ft at Parcel 48. The impacted soil is situated between the existing northern curb of East King Street and the proposed utility easement line. DOT plans indicate a proposed fill of 1.5 ft in this area. Because this is a fill area, most of the impacted soil will not likely be disturbed. However, impacted soil will be generated by any soil grading work below the existing grade and during utility line installations in the aforementioned areas. Impacted soil that is removed should be properly managed and disposed at a permitted facility. The UST and its contents should also be removed and disposed in accordance with NCDENR regulations.

5.0 Signature Page

This report was prepared by:

Dave Lubell

Project Geologist for Hart and Hickman, PC

Davelubelle

This report was reviewed by:

Matt Bramblett, PE

Principal and Project Manager for

Hart and Hickman, PC

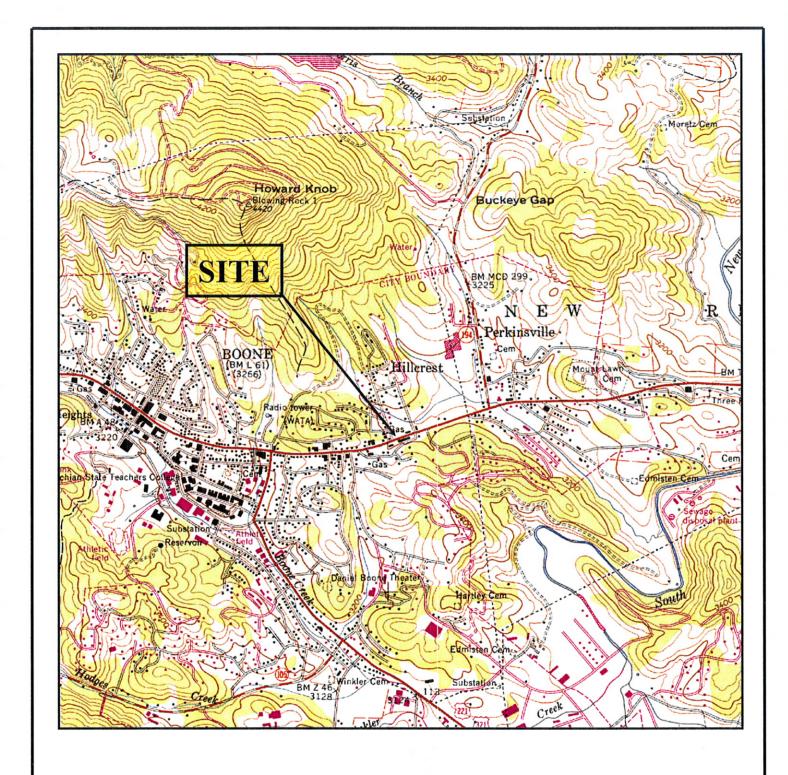
Buddy Wood Property, Parcel #48 Boone, North Carolina H&H Job No. ROW-148 Soil Analytical Results Table 1

Sample ID	48-1	48-2	48-3	48-4	48-5	48-6	48-7	NC DENK
Sample Depth (ft)	2-5	0-2	2-5	2-5	2-2	2-5	0-2	Action
Sample Date	4/8/2008	4/8/2008	4/8/2008	4/8/2008	4/8/2008	4/8/2008	4/8/2008	Level
Units	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
TPH-DRO/GRO (8015B) Diesel-Range Organics (DRO) Gasoline-Range Organics (GRO)	45 16	<8.7 <6.3	< 8.0 < 5.8	<8.0 <5.8	<8.2 6.0	<7.4 <5.3	38 <6.6	10

Notes:

EPA Method follows parameter in parenthesis Bold denotes value in excess of NC DENR Action Levels

TPH=total petroleum hydrocarbons







U.S.G.S. QUADRANGLE MAP

BOONE, NC 1959 PHOTOREVISED 1978

QUADRANGLE 7.5 MINUTE SERIES (TOPOGRAPHIC) TITLE

SITE LOCATION MAP

PROJECT

BUDDY WOOD PROPERTY PARCEL #48 BOONE, NORTH CAROLINA



4-28-08

DATE:

REVISION NO:

JOB NO: **ROW-148**

FIGURE NO:

1

0

Appendix A

NC DOT Preliminary Plan

Appendix B

Schnabel Engineering Geophysical Survey Report





Phone (336) 274-9456 Fax (336) 274-9486 www.schnabel-eng.com

April 28, 2008

Mr. Matt Bramblett, PE Hart & Hickman, PC 2923 South Tryon Street, Suite 100 Charlotte, NC 28203

RE: State Project: U-4020

WBS Element: 35015.1.1

County: Watauga

Description: US 421 (King Street) from US 321 (Hardin Street) to east

of NC 194 (Jefferson Road) in Boone

SUBJECT: Report on Geophysical Surveys of Parcel 48

Schnabel Engineering Project No. 07210023.07

Dear Mr. Bramblett:

This letter contains our report on the geophysical surveys we conducted on the subject property. We understand this letter report will be included as an appendix in your report to the NCDOT. The report includes one 8.5x11 color figure and two 11x17 color figures.

1.0 INTRODUCTION

Schnabel Engineering conducted geophysical surveys on March 11 and March 18, 2008, in the accessible areas of the proposed right-of-way (ROW) sections of Parcel 48 (Buddy Wood Property, Wood Masonry Supply) under our 2007 contract with the NCDOT. Parcel 48 is located at the northeast corner of the intersection US 421 (King Street) and Farthing Street. The work was conducted at the location indicated by the NCDOT to support their environmental assessment of the subject parcel. 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 site.

2.0 FIELD METHODOLOGY

Locations of geophysical data points 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 US survey 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. The geophysical investigation consisted of an electromagnetic (EM) induction survey using a Geonics EM61-MK2 instrument, and a ground-penetrating radar survey using a Geophysical Survey Systems SIR-3000 system equipped with a 400 MHz antenna.

The EM61 data were collected along parallel survey lines spaced about 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 orthogonal directions over anomalous EM readings not attributed to cultural features. A possible UST was located and marked on the ground at this site. Pictures of the location of this possible UST as marked in the field are shown in Figure 1.

Preliminary results were sent to David Graham and Matt Bramblett of Hart & Hickman on March 24, 2008.

3.0 <u>DISCUSSION OF RESULTS</u>

The contoured EM61 data are shown on Figures 2 and 3. The EM61 early time gate results are plotted on Figure 2. The early time gate data provide the most sensitive detection of metal object targets, regardless of size. Figure 3 shows 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.

The early time gate and differential results show linear anomalies probably caused by buried utilities, and anomalies caused by known site features (Figures 2 and 3). The GPR data indicated the presence of a possible UST about 25 feet from the eastern edge of the parcel. An example GPR image showing the reflection from the possible UST is shown on Figures 2 and 3. Figures 2 and 3 also include the location of the possible UST as marked in the field. The GPR data indicate that the possible UST is buried about 3 to 4 feet below the ground surface, and is about 3 feet in diameter and about 5 feet long, equivalent to a capacity of approximately 270 gallons.

4.0 CONCLUSIONS

Our evaluation of the geophysical data collected on Parcel 48 of Project U-4020 in Boone, NC indicates the following:

The geophysical data indicate the presence of a possible UST on Parcel 48. The possible UST is about 270-gallon capacity and is buried about 3 to 4 feet below ground surface.

5.0 LIMITATIONS

These services have been performed and this report prepared for Hart & Hickman and 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.

Thank you for the opportunity to serve you on this project. Please call if you need additional information or have any questions.

Sincerely,

Jeremy S. Strohmeyer, P.G.

Project Manager



Parcel 48 – Wood Masonry Supply, looking east UST: 3' x 5'



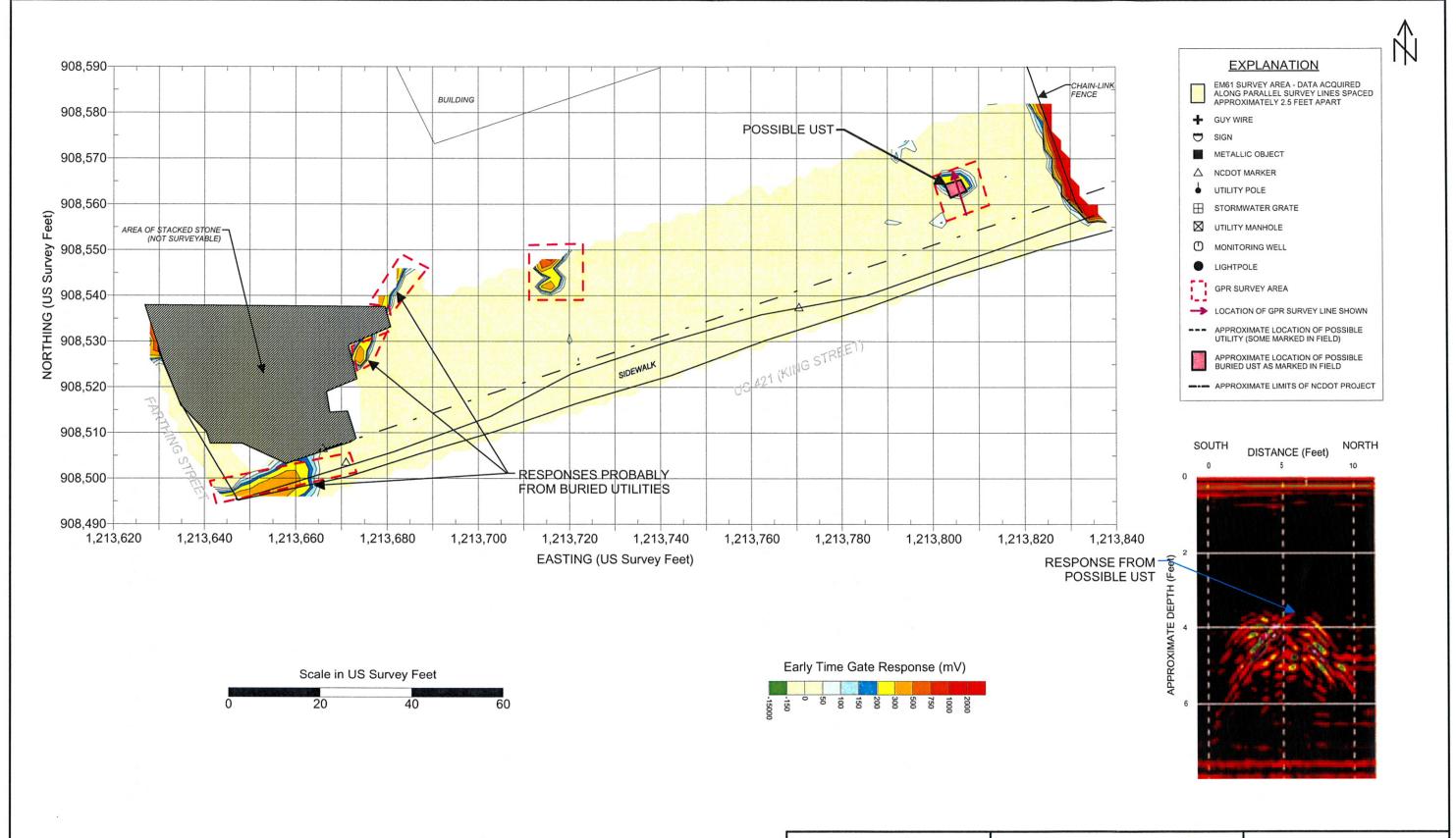
Parcel 48 – Wood Masonry Supply, looking north UST: 3' x 5'



NC Department of Transportation Geotechnical Engineering Unit

State Project No. U-4020 Watauga County, North Carolina PARCEL 48
PHOTOS OF POSSIBLE
UST LOCATION

FIGURE 1



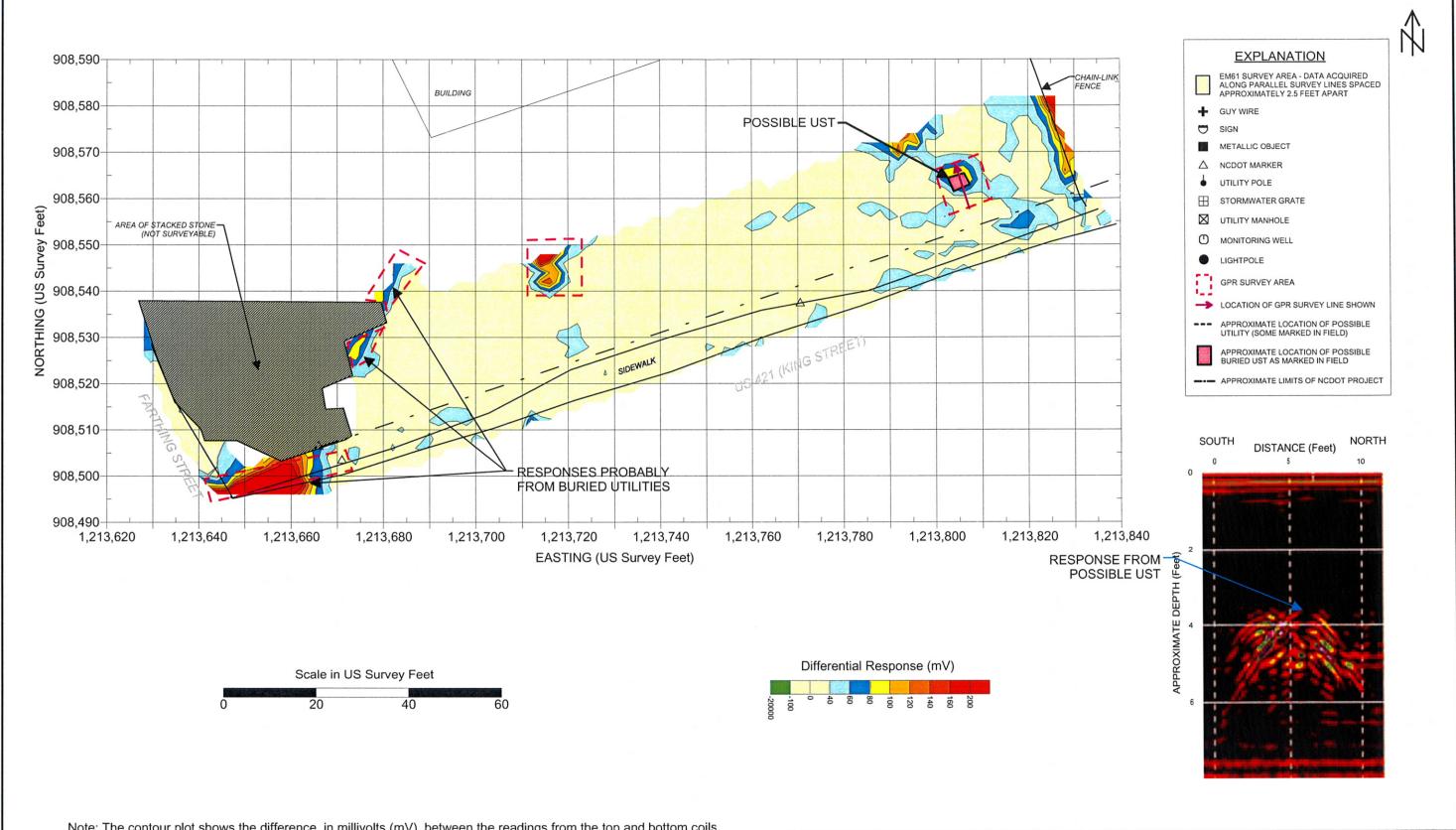
Note: The contour plot shows the earliest and most sensitive time gate of the EM61 bottom coil/channel in millivolts (mV). The EM data were collected on March 11, 2008, using a Geonics EM61-MK2 instrument. Positioning for the EM61 survey was provided using a submeter Trimble ProXRS DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina Zone 3200, using the NAD 1983 datum. GPR data were acquired on March 18, 2008, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.



NC Department of Transportation Geotechnical Engineering Unit

State Project No. U-4020 Watauga County, North Carolina PARCEL 48 EM61 EARLY TIME GATE RESPONSE

FIGURE 2



Note: The contour plot shows the difference, in millivolts (mV), between the readings from the top and bottom coils of the EM61. The difference is taken to reduce the effect of shallow metal objects and emphasize anomalies caused by deeper metallic objects, such as pipes and tanks. The EM data were collected on March 11, 2008, using a Geonics EM61-MK2 instrument. Positioning for the EM61 survey was provided using a submeter Trimble ProXRS DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 1983 datum. GPR data were acquired on March 18, 2008, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.



NC Department of Transportation Geotechnical Engineering Unit

State Project No. U-4020 Watauga County, North Carolina PARCEL 48 EM61 DIFFERENTIAL RESPONSE

FIGURE 3

Appendix C

Soil Boring Logs



3334 Hillsborough Street Raleigh, North Carolina 27615 919-847-4241(p) 919-847-4261(f)

BORING NUMBER 48-1

PROJECT: Boone PSAs JOB NUMBER: ROW-148 LOCATION: Boone, NC

(II) COVERY (%)	OW COUNT			THOLOGY	MATERIAL DESCRIPTION	WELL DIAGRAM	DEPTH (ft)
	BLO	BKG.	SAMP.	5			
		0.3	5.5		dark brown, sandy SILT w/ some clay, damp		-0.0- - - - - - -
		0.7	17.2		dark brown, sandy CLAY, damp		-2.5 2.5
5		0.5	8.2		dark grey/brown silty CLAY		 -7.5
0			1.5				- - -10.0 - - - - -
- - - - - - - - - - - - - - - - - - -			1.0		Bottom of borehole at 12.0 feet.		-12.5 - - - - - - - - - - - - - - - - - - -
	50 - 50 - 25	5- 50	O	0.3 5.5 0.3 5.5 0.7 17.2 0.7 17.2 0.8 2 1.5 1.5	O - O - O - O - O - O - O - O - O - O -	O D D D D D D D D D D D D D D D D D D D	O. J. S.

DRILLING CONTRACTOR: GEOLOGIC EXPLORATION **DRILL RIG/ METHOD:** Geoprobe 6620DT

SAMPLING METHOD: DPT Sleeves

LOGGED BY MHF DRAWN BY:

-0G OF

BORING STARTED 4/8/08 BORING COMPLETED: 4/8/08 TOTAL DEPTH: 12 SURFACE ELEV:

DEPTH TO WATER:

Remarks:

Borehole hand-augered to 5' Soil samples collected from 2-5'



3334 Hillsborough Street Raleigh, North Carolina 27615 919-847-4241(p) 919-847-4261(f)

BORING NUMBER 48-2

PROJECT: Boone PSAs JOB NUMBER: ROW-148 LOCATION: Boone, NC

DEPTH (ft)	RECOVERY (%)	BLOW COUNT		OvA (ppm)	LITHOLOGY	MATERIAL DESCRIPTION	WELL DIAGRAM	DEPTH (ft)
-0.0	REC	BLC	BKG.	SAMP.	5			0.0-
0.0		22	0.3	1.1		light brown, silty SAND, dry		
2.5-	75		0.2	1.1		brown/orange, sandy CLAY, damp		-2.5 - - - -
5.0			0.2			brown/orange, sandy CLAY w/ PWR		-5.0
7.5-	75			0.9			y.	-7.5
			0.3	0.9				
10.0	25		0.3	0.7				-10.0
						Bottom of borehole at 12.0 feet.		-
12.5-								-12.5
=								E
								E
=								
15.0-								- -15.0
	LINIC	CONTRAC	CTOP.	CEO	1 0010 5	EXPLORATION BORING STARTED 4/8/08 Rema	L	

DRILLING CONTRACTOR: GEOLOGIC EXPLORATION
DRILL RIG/ METHOD: Geoprobe 6620DT

SAMPLING METHOD: Geophobe 66200 SAMPLING METHOD: DPT Sleeves

LOGGED BY MHF DRAWN BY:

BORING - HART HICKMAN GDT - 5/13/08 14:07 - S:\AAA-MASTER PROJECTSINC DOT RIGHT-OF-WAY -ROWROW-148 BOONE PSAS\BORING LOGS\ROW-148 (48).GPJ

BORING STARTED 4/8/08 BORING COMPLETED: 4/8/08

TOTAL DEPTH: 12 SURFACE ELEV: DEPTH TO WATER: Remarks:

Borehole hand-augered to 5' Soil samples collected from 0-2'



3334 Hillsborough Street Raleigh, North Carolina 27615 919-847-4241(p) 919-847-4261(f)

BORING NUMBER 48-3

PROJECT: Boone PSAs JOB NUMBER: ROW-148 LOCATION: Boone, NC

DEPTH (ft)	RECOVERY (%)	BLOW COUNT		OvA (ppm)	LITHOLOGY	MATERIAL DESCRIPTION	WELL DIAGRAM	DEPTH (ft)
-0.0-	REC	BLC	BKG.	SAMP.	5			-0.0-
-			0.3	1.1		brown/tan, silty SAND w/ PWR, dry		- 0.0
RING LOGS/ROW-148	75		0.4	1.2				- -2.5 - - - -
AROW-148 BOONE PSAS/BO				1.1		dark grey/green, silty CLAY, some medium sands, damp		
NC DOT RIGHT-0F-WAY -ROW	75			1		grey, sandy SILT, damp		 7.5
-10.0	_					Bottom of borehole at 10.0 feet.		10.0-
- HART HICKMAN, GDT - 5/13/08 14:07 - S.YAAA-MASTER PROJECTSINC DOT RIGHT-OF-WAY -ROWROW-148 BOONE PSAS/BORING LOGS/ROW-148 (48), GPJ								-12.5
15.0	11110	CONTRAC	TOP	050	10010	EXPLORATION BORING STARTED 4/8/08 Remai	den	-15.0

DRILLING CONTRACTOR: GEOLOGIC EXPLORATION

DRILL RIG/ METHOD: Geoprobe 6620DT **SAMPLING METHOD**: DPT Sleeves

LOGGED BY MHF DRAWN BY:

-0G OF

BORING STARTED 4/8/08 BORING COMPLETED: 4/8/08

TOTAL DEPTH: 10 SURFACE ELEV: DEPTH TO WATER: Remarks:

Borehole hand-augered to 5' Soil samples collected from 2-5'



3334 Hillsborough Street Raleigh, North Carolina 27615 919-847-4241(p) 919-847-4261(f)

BORING NUMBER 48-4

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC

0.0 0.3 1.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_								
orange/tan, silty SAND, PWR, dry	DEPTH	(ft) OVERY (%)	W COUNT		OVA (ppm)	гногову	MATERIAL DESCRIPTION	WELL DIAGRAM	DEPTH (ft)
orange/tan, silty SAND, PWR, dry			BLC	BKG.	SAMP.] 5			-0.0-
2.5— 100 1.7 1.7 Sayson Silty Sand, Silty Sand, PWR, damp Silty Sand, Silty Sand, Silty Sand, Silty Sand, Silty Sand, PWR, damp Silty Sand,		,.o	N.	0.3	1.1		orange/tan, silty SAND, PWR, dry		- - - - - -
5.0 light brown/orange, sandy SILT, large PWR 0.4 0.9 dark grey/black, SILT w/ wood debris	SAS/BORING LOGS/ROW-148 (48)	2.5 10	0		1.7		orange/tan, silty SAND, PWR, damp		-2.5 - - - - -
	AY -ROW/ROW-148 BOONE PS			0.4	0.9				 _5.0 _ _ _ _ _ _ _
7.5- 90 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	ISINC DOT RIGHT-OF-W	7.5 90		5 20					-7.5 - - - - - - -
10.0 light grey/brown, sandy SILT w/ rock, wet	S:AAA-MASTER PROJECT		0	1 (2) (2)	0.9		light grey/brown, sandy SILT w/ rock, wet		-10.0 - - - - - - -
Bottom of borehole at 12.0 feet. 12.5- 10.00 12.5- 10.0	CKMAN.GDT - 5/13/08 14:07 -	2.5-					Bottom of borehole at 12.0 feet.		-12.5 - - - - - - -
15.0- BRILLING CONTRACTOR: GEOLOGIC EXPLORATION BORING STARTED 4/8/08 Remarks:	HART H		G CONTRA	ACTOR:	GEO	l OGIC !	EXPLORATION ROPING STARTED 4/8/08	rke:	- -15.0

DRILLING CONTRACTOR: GEOLOGIC EXPLORATION

DRILL RIG/ METHOD: Geoprobe 6620DT **SAMPLING METHOD:** DPT Sleeves

LOGGED BY MHF DRAWN BY: BORING STARTED 4/8/08 BORING COMPLETED: 4/8/08

TOTAL DEPTH: 12 SURFACE ELEV: DEPTH TO WATER: Remarks:

Borehole hand-augered to 5' Soil samples collected from 2-5'



3334 Hillsborough Street Raleigh, North Carolina 27615 919-847-4241(p) 919-847-4261(f)

BORING NUMBER 48-5

PROJECT: Boone PSAs JOB NUMBER: ROW-148 LOCATION: Boone, NC

DEPTH (ft)	RECOVERY (%)	BLOW COUNT		OvA (ppm)	LITHOLOGY	MATERIAL DESCRIPTION	WELL DIAGRAM	DEPTH (ft)
	REC	BLO	BKG.	SAMP.	=			
-0.0-				0,		light brown/orange, sandy SILT, dry		-0.0
[3] -			0.3	2.5				
20G OF BORING - HART HICKMAN GDT - 5/13/08 14:07 - S:AAA-MASTER PROJECTSINC DOT RIGHT-OF-WAY -ROWROW-148 BOONE PSAS/BORING LOGS/ROW-148 (48).GPJ C C C C C C C C C C C C C C C C C C C	100			2.5				- - - -2.5 - - - -
E PSAS/E								E
NOON -						red/brown, SAND w/ PWR		-5.0 -
JW-148				2.7				-
SOWING								E
31GHT-0F-WAY-R	100			2.3		grey/green, sandy SILT, saturated		- -7.5 - -
JECTS/NC DOT F				2				-10.0-
A PRO						Bottom of borehole at 10.0 feet.		
MASTE	-							F
:\AAA-I	1							E
4:07 - 8								E
12.5								-12.5 -
)T - 5/1								-
MAN.G								E
HICK	-							<u> </u>
15.0	LINC	CONTRAC	TOP	GEO	l OGIC !	XPLORATION BORING STARTED 4/8/08 Rema	arke:	-15.0
DRIL DRIL SAM LOG DRA	LING L RIG PLING GED E WN B	METHOD METHOD METHOD MHF	: Geo	probe	6620DT	BORING COMPLETED: 4/8/08 Borel	arks: hole hand-augered to 5' samples collected from 5-7'	



3334 Hillsborough Street Raleigh, North Carolina 27615 919-847-4241(p) 919-847-4261(f)

BORING NUMBER 48-6

PROJECT: Boone PSAs JOB NUMBER: ROW-148 LOCATION: Boone, NC

ОЕРТН	(ft)	RECOVERY (%)	BLOW COUNT	BKG.	SAMP.	ГІТНОГОСУ	MATERIAL DESCRIPTION	WELL DIAGRAM	DEPTH (ft)
-0.	0			ā	SA		red/brown silty SAND w/ PWR		_0.0-
3).GPJ				0.4	1.3				_ _ _ _
- S:AAA-MASTER PROJECTSINC DOT RIGHT-OF-WAY -ROWROW-148 BOONE PSAS/BORING LOGS/ROW-148 (48), GPJ O 7 7	5- 9	90			1.9				- - -2.5 - - - - -
ROW/ROW-148 BOONE PS/	0				1.8		orange/dark brown silty SAND w/ some clay and PWR		-5.0 -5.0 -
NC DOT RIGHT-OF-WAY -	5- 9	90			1.3		saturated		- -7.5 - - - - -
A-MASTER PROJECTS 0		50			1.2				- -10.0 - - - -
- S:\AA	1						D. W (1 1 . 1 . 1 . 1 . 1 . 1 . 1 .		
04	.5-						Bottom of borehole at 12.0 feet.		 -12.5 -15.0
ا LC	RILL F	rig/ ing d b	METHOD METHOD Y MHF	: Geo	probe	6620DT	XPLORATION BORING STARTED 4/8/08 BORING COMPLETED: 4/8/08 TOTAL DEPTH: 12 SURFACE ELEV: DEPTH TO WATER: Rema Boreh Soil s	orks: nole hand-augered to 5' amples collected from 2-5'	



LOGGED BY MHF

DRAWN BY:

-0G OF

3334 Hillsborough Street Raleigh, North Carolina 27615 919-847-4241(p) 919-847-4261(f)

BORING NUMBER 48-7

PROJECT: Boone PSAs JOB NUMBER: ROW-148 LOCATION: Boone, NC

	(%)	Ł		(mdd	\ <u>`</u>		WELL BLACKAM	
DEPTH (ft)	RECOVERY (%)	BLOW COUNT		OVA (ppm)	LITHOLOGY	MATERIAL DESCRIPTION	WELL DIAGRAM	DEPTH (ft)
	REC	BL	BKG.	SAMP.	=			
- HART HICKMAN GDT - 5/13/08 14:07 - S:VAAA-MASTER PROJECTSINC DOT RIGHT-0F-WAY -ROW/ROW-148 BOONE PSAS/BORING LOGS/ROW-148 (48),GPJ 0.0			0.6 0.5	1.8 1.8		orange/red, silty SAND w/ PWR brown/grey, sandy CLAY, saturated Bottom of borehole at 12.0 feet.		-0.0-
DRII	L RIG	CONTRAC METHOD	: Geo	probe	6620DT	BORING COMPLETED: 4/8/08	narks: ehole hand-augered to 5' samples collected from 0-2'	 -15.0

DEPTH TO WATER:

SURFACE ELEV:

Appendix D

Laboratory Analytical Report



Laboratory Report

04/28/08

North Carolina Department of Transportation

Attn: David Graham

2923 South Tryon St. Ste 100

Charlotte, NC 28203

c/o Hart and Hickman

Project Name: Boone PSAs Project ID: ROW-148

Project No.: WBS# 35015.1.1

Sample Matrix: Soil

Client Sample ID: 48-1 (2-5)

Prism Sample ID: 211240 COC Group: G0408351

Time Collected: 04/08/08 11:58

Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Anal	yst Batch ID
Percent Solids Determination Percent Solids	79.2	%			1	SM2540 G	04/14/08 14:	15 mbarber	Г
Diesel Range Organics (DRO) by G	C-FID								
Diesel Range Organics (DRO)	45	mg/kg	8.8	1.4	1	8015B	04/19/08 5:2	1 jvogel	Q31877
Sample Preparation:			25	.14 g /	1 mL	3545	04/16/08 16	:00 wcon	der P21362
					Surrogate	•	% Recov	ery (Control Limits
					o-Terphen	yl	74		49 - 124
Sample Weight Determination									
Weight 1	6.69	g			1	GRO	04/17/08 0:0	0 athao	
Weight 2	6.85	g			1	GRO	04/17/08 0:0	0 athao	
Gasoline Range Organics (GRO) by	GC-FID								
Gasoline Range Organics (GRO)	16	mg/kg	6.3	4.0	50	8015B	04/16/08 14:	32 wbradle	y Q3178
					Surrogate	1	% Recov	ery	Control Limits
					aaa-TFT		106		55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis



Laboratory Report

04/28/08

North Carolina Department of

Transportation

Attn: David Graham c/o Hart and Hickman

2923 South Tryon St. Ste 100

Charlotte, NC 28203

Project ID:

Project Name: Boone PSAs

Project No .: Sample Matrix: Soil

ROW-148 WBS# 35015.1.1

Client Sample ID: 48-2 (0-2)

Prism Sample ID: 211241

COC Group: Time Collected: G0408351

04/08/08 12:10

Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination Percent Solids	79.3	%			1	SM2540 G	04/14/08 14:15	mbarber	
Diesel Range Organics (DRO) by GO Diesel Range Organics (DRO)	C-FID BRL	mg/kg	8.7	1.4	1	8015B	04/19/08 5:57	jvogel	Q31877
Sample Preparation:			25	.24 g	/ 1 mL	3545	04/16/08 16:00) wconder	P21362
					Surrogate	•	% Recovery	y Cor	ntrol Limits
					o-Terphen	yl	66		49 - 124
Sample Weight Determination Weight 1	6.01	g			1	GRO	04/17/08 0:00	athao	
Weight 2	6.00	g			1	GRO	04/17/08 0:00	athao	
Gasoline Range Organics (GRO) by Gasoline Range Organics (GRO)	GC-FID BRL	mg/kg	6.3	3.9	50	8015B ·	04/16/08 15:04	wbradley	Q31784
					Surrogate	.	% Recover	y Co	ntrol Limits
					aaa-TFT		104		55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

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The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis



Laboratory Report

04/28/08

North Carolina Department of

Transportation
Attn: David Graham
c/o Hart and Hickman

2923 South Tryon St. Ste 100

Charlotte, NC 28203

Project Name: Boone PSAs Project ID: ROW-148

Project No.: WBS# 35015.1.1

Sample Matrix: Soil

Client Sample ID: 48-3 (2-5) Prism Sample ID: 211242

COC Group: G04/C

G0408351 04/08/08 12:

Time Collected: 04/08/08 12:20 Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination Percent Solids	85.8	%			1	SM2540 G	04/14/08 14:15	mbarber	
Diesel Range Organics (DRO) by G	C-FID								
Diesel Range Organics (DRO)	BRL	mg/kg	8.0	1.3	1	8015B	04/19/08 6:33	jvogel	Q31877
Sample Preparation:			25	.48 g	/ 1 mL	3545	04/16/08 16:00) wconder	P21362
					Surrogate	1	% Recover	y Con	trol Limits
					o-Terphen	yl	55		49 - 124
Sample Weight Determination									
Weight 1	4.63	g			1	GRO	04/17/08 0:00	athao	
Weight 2	5.07	g			1	GRO	04/17/08 0:00	athao	
Gasoline Range Organics (GRO) by	y GC-FID								
Gasoline Range Organics (GRO)	BRL	mg/kg	5.8	3.6	50	8015B	04/16/08 16:07	wbradley	Q31784
					Surrogate	r	% Recover	y Con	trol Limits
					aaa-TFT		111	70	55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis



Laboratory Report

04/28/08

North Carolina Department of

Transportation

Attn: David Graham c/o Hart and Hickman

2923 South Tryon St. Ste 100

Charlotte, NC 28203

Project Name: Boone PSAs

ROW-148

Project ID: Project No .:

WBS# 35015.1.1

Sample Matrix: Soil

Client Sample ID: 48-4 (2-5)

Prism Sample ID: 211243

COC Group:

G0408351

Time Collected:

04/08/08

13:20

Time Submitted: 04/11/08

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analys Date/Tir		Anal	yst Batch ID
Percent Solids Determination										
Percent Solids	85.7	%			1	SM2540 G	04/14/08	14:15	mbarber	
Diesel Range Organics (DRO) by GO	C-FID									
Diesel Range Organics (DRO)	BRL	mg/kg	8.0	1.3	1	8015B	04/19/08	7:44	jvogel	Q31877
Sample Preparation:			2	5.4 g	/ 1 mL	3545	04/16/08	16:00	wcon	der P21362
					Surrogate)	% Re	covery	, (Control Limits
					o-Terphen	yl		55		49 - 124
Sample Weight Determination										
Weight 1	5.88	g			1	GRO	04/17/08	0:00	athao	
Weight 2	6.06	g			1	GRO	04/17/08	0:00	athao	
Gasoline Range Organics (GRO) by	GC-FID									
Gasoline Range Organics (GRO)	BRL	mg/kg	5.8	3.7	50	8015B	04/16/08	17:27	wbradley	Q31784
					Surrogate	1	% Re	covery	, (Control Limits
					aaa-TFT			79		55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

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All results are reported on a dry-weight basis



Laboratory Report

04/28/08

North Carolina Department of Transportation

Attn: David Graham c/o Hart and Hickman

2923 South Tryon St. Ste 100

Charlotte, NC 28203

Project Name: Boone PSAs

Project ID: Project No.: **ROW-148** WBS# 35015.1.1

Sample Matrix: Soil

Client Sample ID: 48-5 (5-7)

Prism Sample ID: 211244 COC Group:

G0408351

Time Collected:

04/08/08

13:35 Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Ana	lyst Batch ID
Percent Solids Determination									
Percent Solids	83.3	%			1	SM2540 G	04/14/08 14	:15 mbarbe	er
Diesel Range Organics (DRO) by G	C-FID								
Diesel Range Organics (DRO)	BRL	mg/kg	8.2	1.3	1	8015B	04/19/08 7:0)8 jvogel	Q31877
Sample Preparation:			25	.53 g	/ 1 mL	3545	04/16/08 16	5:00 wcor	nder P21362
					Surrogate		% Recov	very	Control Limits
					o-Terphen	yl	5-	4	49 - 124
Sample Weight Determination									
Weight 1	6.82	g			1	GRO	04/17/08 0:0	00 athao	
Weight 2	5.93	g			1	GRO	04/17/08 0:0	00 athao	
Gasoline Range Organics (GRO) by	GC-FID								
Gasoline Range Organics (GRO)	BRL	mg/kg	6.0	3.8	50	8015B	04/16/08 17	:59 wbradle	ey Q31784
					Surrogate		% Recov		Control Limits
					aaa-TFT		7	5	55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

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All results are reported on a dry-weight basis



Laboratory Report

04/28/08

North Carolina Department of

Transportation
Attn: David Graham
c/o Hart and Hickman

2923 South Tryon St. Ste 100

Project Name: Boone PSAs

Project ID: ROW-148
Project No.: WBS# 35015.1.1

Sample Matrix: Soil

Client Sample ID: 48-6 (2-5) Prism Sample ID: 211245

COC Group:

G0408351

Time Collected:

04/08/08 13:45

Charlotte, NC 28203

Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Anal	yst Batch ID
Percent Solids Determination									
Percent Solids	94.3	%			1	SM2540 G	04/14/08 14:15	mbarber	
Diesel Range Organics (DRO) by GC	-FID								
Diesel Range Organics (DRO)	BRL	mg/kg	7.4	1.2	1	8015B	04/18/08 22:21	jvogel	Q31875
Sample Preparation:			25	.06 g	/ 1 mL	3545	04/17/08 17:40) wcon	der P21369
					Surrogate		% Recover	у (Control Limits
					o-Terphen	yl	99		49 - 124
Sample Weight Determination									
Weight 1	5.66	g			1	GRO	04/17/08 0:00	athao	
Weight 2	5.93	g			1	GRO	04/17/08 0:00	athao	
Gasoline Range Organics (GRO) by	GC-FID								
Gasoline Range Organics (GRO)	BRL	mg/kg	5.3	3.3	50	8015B	04/16/08 18:31	wbradley	Q31784
					Surrogate		% Recover	v (Control Limits
							70 11000101	,	

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis



Laboratory Report

04/28/08

North Carolina Department of Transportation

Attn: David Graham c/o Hart and Hickman

2923 South Tryon St. Ste 100

Charlotte, NC 28203

Project Name: Boone PSAs Project ID: ROW-148

Project No.: WBS# 35015.1.1

Sample Matrix: Soil

Client Sample ID: 48-7 (0-2) Prism Sample ID: 211246

COC Group: G0408351

Time Collected: 04/08/08 14:05 Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Ana	lyst Batch ID
Percent Solids Determination Percent Solids	75.4	%			1	SM2540 G	04/14/08 14	1:15 mbarbe	r
Diesel Range Organics (DRO) by GO	-FID								
Diesel Range Organics (DRO)	38	mg/kg	9.3	2.3	1	8015B	04/18/08 2:	07 jvogel	Q31874
Sample Preparation:				50 g	2 mL	3550B	04/17/08 10	0:30 jvog	P21377
					Surrogate		% Reco	very	Control Limits
					o-Terphen	yl	7	4	48 - 130
Sample Weight Determination									
Weight 1	5.07	g			1	GRO	04/17/08 0:	00 athao	
Weight 2	5.44	g			1	GRO	04/17/08 0:	00 athao	
Gasoline Range Organics (GRO) by									
Gasoline Range Organics (GRO)	BRL	mg/kg	6.6	4.2	50	8015B	04/16/08 19	0:02 wbradle	y Q31784
					Surrogate		% Reco	very	Control Limits
					aaa-TFT		7	<u> </u>	55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis



CHAIN OF CUSTODY RECORD

TE # TO ENSURE PROPER BILLING:

UST Project: %すっるの (Yes) (Not

MYOUT HEADSPACE? PROPER PRESERVATIVES indicated? N HOLDING TIMES? Received ON WET ICE? Temp Samples INTACT upon arrival? AINERS used? S INTACT? (No) (Yes)

9

LAB USE ONLY

LABORATORIES, INC.	PAGE 3 OF 10 QUO
Full Service Analytical & Environmental Solutions	()
449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543 Phone: 704/529-6364 • Fax: 704/525-0409	Project Name: Short Hold Analysis:
Client Company Name: 1420 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*Please ATTACH any
Report To/Contact Name: (). Carabian	provisions and/or QC
Reporting Address: 2923 5 Toyon 54	Invoice To: Address:
Phone: 724-536-0007 Fax (Yes) (Ne):	
Email (Yes) (No) Email Address Derrahment Mightinghen	Purchase Order No./B
EDD Type: PDF _ Excel _ Other	ate
Site Location Name: (350ng)27	Samples received after 15:
Site Location Physical Address: Banke, WC	Turnaround time is based of
	The state of the state of the state of

	"Please ATTACH any project specific provisions and/or QC Requirements	ACH any	project spe Requireme	cific reporting (0 nts	"Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements	CUSTODY SEAI
	Invoice To:					VOLATILES rec'
	Address:					PROPER CONT
	Purchase Order No./Billing Reference	der No./B	Illing Refer	ence		TO BE FILLED IN
VIII COM TO THE	Requested Due	Date 🗆 1	Day G 2 Day	Requested Due Date G 1 Day G 2 Days G 3 Days G 4 Days G 5 Days	Days 🗆 5 Days	Certification.
	"Working Days"		-9 Days 🗅 Sta	andard 10 days 🗅	☐ 6-9 Days ☐ Standard 10 days ☐ Rush Work Must Be	
	Samples receive	ed after 15:	00 will be proc	Samples received after 15:00 will be processed next business day.	ss day.	S
	Turnaround time	is based c	on business da	ays, excluding weel	Turnaround time is based on business days, excluding weekends and holidays.	Water Chlorinate
	RENDERE	D BY PRISM	LABORATORII	(SEE REVERSE FOR LEHMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)	SERVICES	Sample Iced Upo
MATRIX (SOIL.	SAMPL	SAMPLE CONTAINER	INER	200	ANA CO	ANALYSES REQUESTED
WATER OR SLUDGE)	*TYPE SEE BELOW	NO.	SIZE	TIVES	02000 XXX	

apt.	TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL	
	Certification: NELACUSACEFLNC	
dard 10 days Pre-Approved Ssed next business day.	SCOTHERN/A	
s, excluding weekends and holidays.	Water Chlorinated: YES NO	
ONS HEGARDING SERVICES 1, INC. TO CLIENT)	Sample Iced Upon Collection: YESNO	
PRESERVA-	ANALYSES REQUESTED PRISM LAB LAB ID NO.	
`? :: Y		

ZHAZZ 911231

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TIME COLLECTED MILITARY HOURS

COLLECTED

CLIENT SAMPLE DESCRIPTION

Site Departure Time:			Date			6	Received By: (Signature)				Relinquished By: (Signature)
Site Arrival Time:	Additional Comments:	Military/Hours	Date			6	Received By: (Signature)				The state of the s
YING EST WELL		nust be	Any changes r	above. A	Joon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.	eed with th	n for Prism to proc be charges for any	horizatio here will	Custody is your aut Project Manager. T	Shain of le Prism	Upon relinguishing, this submitted in writing to th
IN FIRMLY . 3 COPIES	PRESS DOW	H#H	Affiliation	Affilia	M. FAKASA		Sampled By (Print Name)	Sampl	John State of the		Sampler's Signature
211345				X	>	>	>		891	1	1001-01

SEE REVERSE FOR TERMS & CONDITIONS

UNC USC UNC USC

UNC USC

UNC USC

CERCLA

RCRA:

SOLID WASTE:

DRINKING WATER:

GROUNDWATER:

DNC DSC

ONCOSCONCOSCO

☐ Fed Ex ☐ UPS

NPDES:

DNC DSC

OTHER:

LANDFILL

G0408351

Field Tech Fee:

Mileage:

470

COG Group No.

Melhod of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUTMITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

ories By:

For Prism Labora

OFIGINAL

*CONTAINER TYPE CODES: A = Amher C = Clear G = Glass P = Plastic TI = Teflon-I ined Can VOA = Volatile Organics Analysis (Zero Head Shace)

J



CHAIN OF CUSTODY RECORD

PAGE 4 OF U QUOTE # TO ENSURE PROPER BILLING:

UST Project: (Yes) (No) *Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements ROV-148 Short Hold Analysis: (Yes) (Mo)

Samples INTACT upon arrival? Received ON WET ICE? Temp PROPER PRESERVATIVES indicate Received WITHIN HOLDING TIMES: CUSTODY SEALS INTACT? VOLATILES rec'd W/OUT HEADSPA	7	7	¿þe	>		ICE?	7	
	Samples INTACT upon arrival?	Received ON WET ICE? Temp 1-1	PROPER PRESERVATIVES indicated?	Received WITHIN HOLDING TIMES?	CUSTODY SEALS INTACT?	VOLATILES rec'd W/OUT HEADSPACE?	PROPER CONTAINERS used?	

2

YES

3E FILLED IN BY CLIENT/SAMPLING PERSONNEL

N/A

ON OTHER

님

USACE

Project Name: 449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543 Phone: 704/529-6364 • Fax: 704/525-0409, Email (Yes) (No) Email Address Barrahaman Site Location Physical Address: 32000 NC HADT & Hakman Full Service Analytical & Environmental Solutions S. Towar St 6 raham DOT Phone: 704-586-0001 Fax (Yes) (Not): Other Doore Reporting Address: 1923 Report To/Contact Name: Excel Client Company Name: _ Site Location Name: EDD Type: PDF_

Invoice To:	VOLATILES rec'd W/OUT H
Address:	PROPER CONTAINERS US
Purchase Order No./Billing Reference	TO BE FILLED IN BY CLII
^Requested Due Date ☐1 Day ☐2 Days ☐3 Days ☐4 Days ☐5 Days	Certification: NEI AC
"Working Days"	
Samples received after 15:00 will be processed next business day.	o SC O
Turnaround time is based on business days, excluding weekends and holidays.	Water Chlorinated: YES
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)	Sample Iced Upon Collect

YES NO	PRISM	HEMARKS ID NO.	JH2118	SHOHS.	211343	211344		Allays	AHBUS	311345 311346 31134	311345 311346 311346 311343	311346 311346 311343 311343	311346 311346 311343 311343 311343
Sample Idea Upon Collection: YES NO	,	REMARKS											
Sample Icea of	ANALYSES REQUESTED												
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The state of the s	PRESERVA.	TIVES	none/meth										
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	SAMPLE CONTAINER	NO.	~	-		· ·							
	SAMPL	*TYPE SEE BELOW	43A	_	~	e atribute suite							
	MATRIX (SOIL,	WATER OR SLUDGE)	561	-									
Link	COLLECTED	MILITARY HOURS	0161	1930	1330	1335		13-45	1345	1345 1405 1425	1345 1435 1435	1345 1485 1485 1485 1485	1345 1435 1435 1440 1455
	DATE	COLLECTED	4/8/08										
	CLIENT	SAMPLE DESCRIPTION	18-2(0-5)	18-3(2-5)	18-4 (2-2)	48-5(5-7)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	18-6(2-5)	18-48-5)	18-1(0-4) 17-1(2-5)	255	25000	でいるから

Sampler's Signature / / / cll / Sam	Sampled By (Print Name) // / P.A. Kne. A. Affiliation	the noi	-1	Challe developed bendles the art	
Upon relinquishing, this Chain of Custody is your authorizat submitted in writing to the Prism Project Manager. There wi	Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.	y changes must	be		OEST WSIE:
Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours	Additional Comments:	Site Arrival Time:
Relinquished By: (Signardie)	Received By: (Signature)	Date			Site Departure Time:
Relinquished By: (Signature)	Rebeived For Prism Laborator By:	Date			Field Lech Fee:
	アくく	14 10 Kg	420		Mileage:
Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH COOLERS FOR TRANSPORTATION TO THE LABORATORY.	UT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY.	COST Group No.			
SAMPLES ARE NOT ACCEPTED AND VEHIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.	SI COC UNITE RECEIVED AT THE LABORATORY.		_		

SEE REVERSE FOR TERMS & CONDITIONS

UNC USC

UNC DSC

ONC OSC ONC OSC

LANDFILL OTHER: Go408351

CERCLA

RCRA:

DRINKING WATER: SOLID WASTE:

DNC DSC

UNC USC

GROUNDWATER:

DNC DSC

DNC DSC DNC DSC

□ Fed Ex □ UPS

ORIGINAL

*CONTAINER TYPE CODES. A - Amhar C - Claar G - Glass P = Plastic: TI = Teffon-Lined Can VOA = Volatile Organics Analysis (Zero Head Space)