PRELIMINARY SITE ASSESSMENT
PARCEL #33
NANCY POTTS FAMILY TRUST PROPERTY
9222 WEST MARKET STREET
COLFAX, GUILFORD COUNTY, NORTH CAROLINA
STATE PROJECT: R-2611
WBS ELEMENT: 34482.1.1

Prepared for:

NC Department of Transportation
Geotechnical Engineering Unit
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Prepared by:

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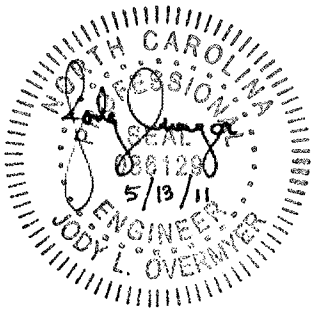
Solutions-IES Project No. 3948.11A3.NDOT

May 4, 2011



Jody Overmyer, P.E.
Project Engineer

Sheri L. Knox
Senior Project Manager

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1.0 INTRODUCTION

Parcel #33 (Nancy Potts Family Trust Property) in Guilford County is currently in use as an ALS Fleet Services facility located at 9222 West Market Street, Colfax, Guilford County, North Carolina. The location of the property is shown on **Figures 1** and **2**. The North Carolina Department of Transportation (NCDOT) plans to acquire a portion of this property due to the planned expansion of West Market Street. This report summarizes the results of field and laboratory activities conducted during the Preliminary Site Assessment (PSA) of the subject property. The scope of work executed at the site was performed in general accordance with Solutions-IES proposal NC11017 dated February 11, 2011, and was initiated based on a Notice to Proceed issued by the NCDOT Preconstruction Professional Services Management Unit on February 17, 2011, under contract 7000010453, dated June 25, 2009.

2.0 BACKGROUND AND SITE DESCRIPTION

Parcel #33 is currently developed with a commercial building occupied by ALS Fleet Services. The commercial building, located approximately 200 feet southeast of Kidd Road at 9222 West Market Street, was formerly utilized as a Colfax Fire Department building (Facility I.D. #: 0-017702). Three underground storage tanks (USTs) were reportedly removed from the property in 1991. The former tank bed was located about 50 feet from the West Market Street centerline. A historical file review was not performed for this site because it does not appear that an incident was associated with the USTs. The PSA was performed within the proposed right-of-way (ROW) and/or easement stretching northwest from ALS Fleet Services towards Kidd Road along the southwest side of the ALS Fleet Services store front and adjacent residential property. Work was not performed in areas of the properties outside of the proposed ROW and/or easement. Photographs of the site are included in **Appendix A.**

3.0 FIELD ACTIVITIES

Prior to mobilizing to the site to conduct work, Solutions-IES contacted North Carolina One Call and contracted KCI Associates of North Carolina, P.A. (KCI) to locate underground utilities at the site. Pyramid Environmental & Engineering, P.C. (Pyramid) was contracted to perform a geophysical survey, and mobilized to the study area March 2 and March 8, 2011. The geophysical investigation consisted of electromagnetic (EM) induction-metal detection surveys using a Geonics EM61-MK1 metal detection instrument and ground penetrating radar (GPR) surveys using a GSSI SIR-2000 unit equipped with a 400 MHz antenna. Results of the survey suggested that the proposed ROW and/or easement at Parcel #33

does not contain metallic USTs. Images of the EM and GPR findings are included in the geophysical report included as **Appendix B**. After a review of the geophysical report, Solutions-IES mobilized to the site on March 29, 2011, to collect soil samples. Thirteen soil borings were advanced to a depth of 8 feet below ground surface (ft bgs). All soil borings were advanced using a Geoprobe®. The approximate location of the soil borings are displayed in **Figure 3**. The GPS coordinates of the boring locations are included in **Appendix C**.

A Macro-Core® sampler fitted with a dedicated polyvinyl chloride (PVC) liner was used to collect samples at 2-foot intervals. Each soil sample was split into two aliquots. Each aliquot was placed in a separate resealable plastic bag. One bag was placed on ice for possible laboratory analysis, while the other bag was sealed and placed at ambient temperature for field screening with a flame ionization detector (FID). After approximately 20 minutes to allow accumulation of volatile organic compounds (VOCs) in the headspace of the bag, each sealed bag was scanned with the FID. The FID measurements were entered into the field logbook along with the soil description and any indications of petroleum staining or odor. That information was subsequently transferred onto boring logs. The boring logs are provided in **Appendix D** and the field screening results are summarized in **Table 1**. The field screening results are also summarized on the boring logs.

The subsurface at the site generally consisted of red-brown sandy clays (Unified Soil Classification CL). Soils were dry to moist and groundwater was not encountered in the borings to a depth of 8 ft bgs.

Table 1 shows the FID field screening results of the soils ranged from not detected to 0.42 parts per million (ppm). A soil sample was collected from each boring at the interval identified in **Table 1** and was placed in laboratory-supplied jars and stored on ice pending courier service to SGS Laboratories in Wilmington, NC. Sample information was recorded on the chain-of-custody form, and the samples were submitted for analysis of Massachusetts Department of Environmental Protection (MADEP) volatile petroleum hydrocarbons (VPH), MADEP extractable petroleum hydrocarbons (EPH), VOCs by EPA Method 8260B and semi-volatile organic compounds (SVOC) by EPA Method 8270D.

4.0 LABORATORY RESULTS

The laboratory analytical results do not indicate the presence of MADEP VPH, MADEP EPH, VOC or SVOC in soil samples collected from Parcel #33. Concentrations do not exceed the laboratory reporting

limit. The analytical results are summarized in **Table 2**, and the laboratory report is included in **Appendix E**.

5.0 DISCUSSION

The geophysical survey conducted at the site suggested that no buried metallic objects such as a UST are present within the proposed ROW and/or easement at Parcel #33. Solutions-IES advanced 13 soil borings to a depth of 8 ft bgs. The highest FID reading measured 0.42 ppm in boring 33-10 at a depth of 6 to 8 ft bgs.

MADEP VPH, MADEP EPH, VOCs and SVOCs were not detected above the laboratory reporting limits in soil samples collected from the site. Therefore, the concentrations do not exceed the soil to groundwater maximum soil contaminant concentrations (MSCCs) specified in the *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement* (UST Section, North Carolina Department of Environment and Natural Resources [NCDENR], Division of Waste Management [DWM], March 1, 2007; Version; Change 3, Effective December 1, 2008). Further assessment at this site is not necessary at this time.

TABLES

Table 1
Summary of Field Screening Results for Soil
Parcel #33
9222 West Market Street
Colfax, Guilford County, North Carolina
WBS Element: 34482.1.1; State Project: R-2611
Sample Collection Date: March 29, 2011

Sample Depth Below Ground Surface	Soil Boring												
	33-1	33-2	33-3	33-4	33-5	33-6	33-7	33-8	33-9	33-10	33-11	33-12	33-13
	FID Reading (ppm)												
0 - 2 feet	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 - 4 feet	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
4 - 6 feet	0.25	0.10	0.00	0.00	0.00	0.10	0.35	0.00	0.00	0.40	0.15	0.00	0.00
6 - 8 feet	0.10	0.25	0.00	0.00	0.25	0.00	0.00	0.21	0.35	0.42	0.00	0.20	0.20

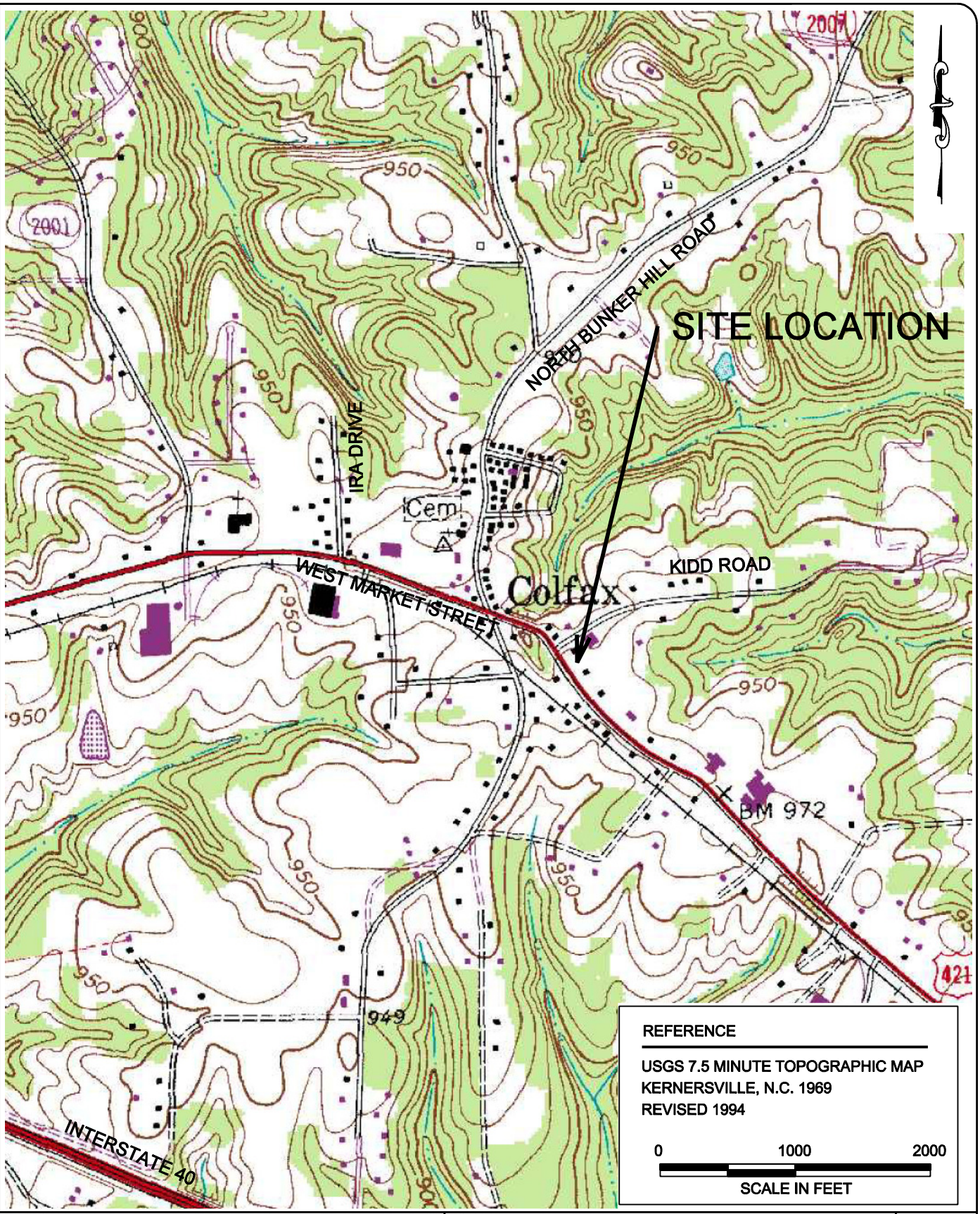
Notes:
Samples denoted by shaded cells were submitted for laboratory analysis.
FID readings were obtained with a Foxboro TVA 1000 Vapor Analyzer.
ppm = parts per million

Table 2
Summary of Soil Analytical Results
Parcel #33
9222 West Market Street
Colfax, Guilford County, North Carolina
WBS Element: 34482.1.1; State Project: R-2611
Sample Collection Date: March 29, 2011

Analytical Method (e.g., VOC by EPA 8260)		MADEP VPH			MADEP EPH			VOC by EPA 8260B	SVOC by EPA 8270B
Units		mg/kg			mg/kg			ug/kg	ug/kg
Contaminant of Concern		C5-C8 Aliphatic	C9-C12 Aliphatic	C9-C10 Aromatic	C11-C22 Aromatics	C9-C18 Aliphatic	C19-C36 Aliphatic	All Constituents	All Constituents
Sample ID	**Date Collected** (m/dd/yyyy)								
33-1-6-8	3/30/2011	<6.16	<6.16	<6.16	<16.4	<5.87	<7.87	All Volatiles below Reporting Limit	All Semi-Volatiles below Reporting Limit
33-2-6-8	3/30/2011	<5.20	<5.20	<5.20	<15.0	<5.36	<7.19		
33-3-6-8	3/30/2011	<4.68	<4.68	<4.68	<16.7	<5.97	<8.00		
33-4-6-8	3/30/2011	<4.65	<4.65	<4.65	<18.5	<6.60	<8.85		
33-5-6-8	3/30/2011	<5.02	<5.02	<5.02	<18.8	<6.71	<8.99		
33-6-6-8	3/30/2011	<4.97	<4.97	<4.97	<17.1	<6.12	<8.20		
33-7-6-8	3/30/2011	<4.69	<4.69	<4.69	<17.8	<6.35	<8.51		
33-8-6-8	3/30/2011	<5.26	<5.26	<5.26	<15.7	<5.61	<7.52		
33-9-6-8	3/30/2011	<5.55	<5.55	<5.55	<15.0	<5.35	<7.17		
33-10-6-8	3/30/2011	<5.67	<5.67	<5.67	<18.9	<6.73	<9.02		
33-11-6-8	3/30/2011	<6.10	<6.10	<6.10	<19.4	<6.92	<9.27		
33-12-6-8	3/30/2011	<4.81	<4.81	<4.81	<16.3	<5.83	<7.81		
33-13-6-8	3/30/2011	<4.80	<4.80	<4.80	<16.3	<5.80	<7.78		
Soil to Groundwater MSCC		72	3,300	34	34	3,300	NE	NA	NA
Residential MSCC		939	9,386	469	469	9,386	93,860	NA	NA
Industrial/Commercial MSCC		24,528	245,280	12,264	12,264	245,280	NE	NA	NA

Notes:
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
MSCC = Maximum Soil Contaminant Concentrations
NE = Not established
NA = Not applicable

FIGURES



REFERENCE

USGS 7.5 MINUTE TOPOGRAPHIC MAP
KERNERSVILLE, N.C. 1969
REVISED 1994

0 1000 2000
SCALE IN FEET

FILE Figure 1.pdf | DATE 3/22/2011 | PROJECT MANAGER JO | CHECKED BY SK | DRAFTER JC | PROJECT NUMBER 3948.11A3.NDOT

Solutions-IES
Industrial & Environmental Services
1101 NOWELL ROAD
RALEIGH, NORTH CAROLINA 27607
TEL.: (919) 873-1060 FAX.: (919) 873-1074

SITE LOCATION
PARCEL #33 - NANCY POTTS PROPERTY
9222 WEST MARKET STREET
COLFAX, GUILFORD COUNTY, NORTH CAROLINA
STATE PROJECT: R-2611
WBS ELEMENT: 34482.1.1

FIGURE:
1

PROJECT NUMBER 3948.11A3.NDOT

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PROJECT MANAGER JO

DATE 3/22/2011

FILE Figure 2.pdf

KIDD ROAD

WEST MARKET STREET

JOHN T. POTTS & NANCY P. POTTS LIVING TRUST

KIDD JR, HENRY L

GRAY, STEVEN PAUL & MARY G

THOMPSON, JULIA K

20' UTILITY EASEMENT

33-1

33-2

33-3

33-4

33-5

33-6

33-7

33-8

33-9

33-10

33-11

33-12

33-13

LEGEND

PROPOSED ROW

PROPOSED EASEMENT

STUDY BOUNDARY

0 50 100

SCALE IN FEET

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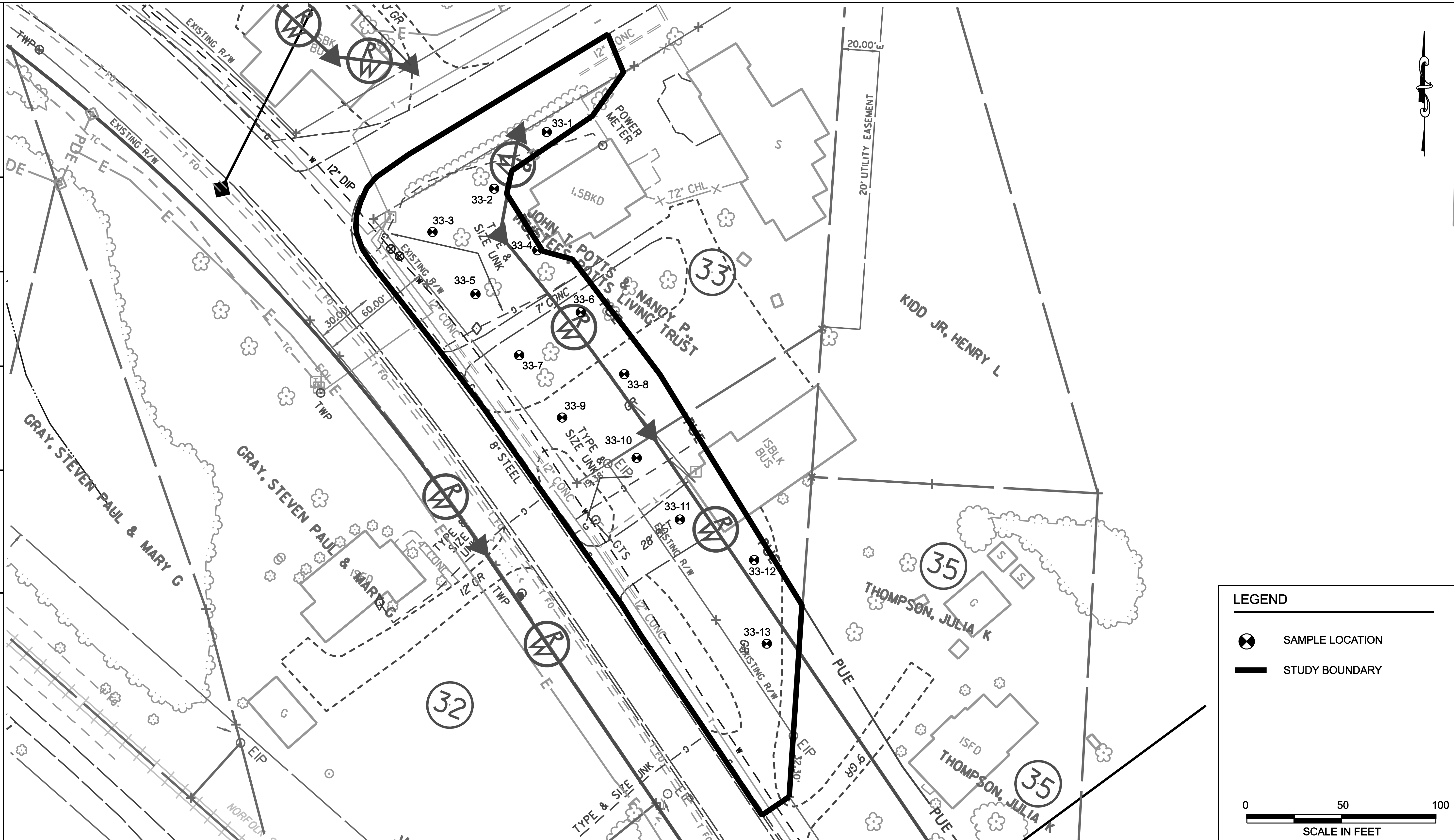
PARCEL #33 - NANCY POTTS PROPERTY
9222 WEST MARKET STREET
COLFAX, GUILFORD COUNTY, NORTH CAROLINA
STATE PROJECT: R-2611
WBS ELEMENT: 34482.1.1

SITE MAP

FIGURE: 2



PROJECT NUMBER 3948.11A3.NDOT

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PROJECT MANAGER JO

DATE 3/22/2011

FILE Figure 3.pdf

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PARCEL #33 - NANCY POTTS PROPERTY
9222 WEST MARKET STREET
COLFAX, GUILFORD COUNTY, NORTH CAROLINA
STATE PROJECT: R-2611
WBS ELEMENT: 34482.1.1

SOIL SAMPLE LOCATION MAP

FIGURE: 3

APPENDIX A

PHOTOGRAPHS

Photograph 1 – View of Parcel #33 looking northwest from ALS Fleet Services towards Kidd Road.

Photograph 2 – View of Parcel #33 looking southeast from the residential property towards ALS Fleet Services.

Photograph 3 – View of Geoprobe and boring location 33-11 on the south side of Parcel #33 along West Market Street.

Photograph 4 – View of soil sample collection.

APPENDIX B

GEOPHYSICAL REPORT

Pyramid Project # 2011048

GEOPHYSICAL INVESTIGATION REPORT

EM61 & GPR SURVEYS

NANCY POTTS PROPERTY (PARCEL 33)
Colfax, North Carolina

March 15, 2011

Report prepared for: **Jody L. Overmyer, P.E.**
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Solutions-IES
GEOPHYSICAL INVESTIGATION REPORT
NANCY POTTS PROPERTY (PARCEL 33)
Colfax, North Carolina

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4.0 SUMMARY & CONCLUSIONS ……. 3

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Figure 2 Geophysical Survey Line Locations
Figure 3 EM61 Metal Detection – Bottom Coil Results
Figure 4 EM61 Metal Detection – Differential Results

1.0 INTRODUCTION

Pyramid Environmental conducted geophysical investigations for Solutions-IES across the proposed Right-of-Way (ROW) portion of the Nancy Potts property (Parcel 33) located at 9222 West Market Street in Colfax, North Carolina. A residential home and a commercial building occupy the property. The proposed ROW area at Parcel 33 consists primarily of gravel and grass-covered surfaces that lie along the southern portion of the property. West Market Street and Kidd Road border the southern and western perimeters of the property.

Conducted on March 2 and 8, 2011, the geophysical investigation was performed as part of the North Carolina Department of Transportation (NCDOT) preliminary site assessment project to determine if unknown, metallic underground storage tanks (UST's) were present beneath the area of interest at Parcel 33. Solutions-IES representative, Ms. Jody Overmyer, P.E. provided site maps that identified the geophysical survey area perimeter to Pyramid Environmental personnel. The survey area has a maximum length and width of 370 feet and 130 feet, respectively. Photographs of the geophysical equipment used in this investigation and the geophysical survey area of the Nancy Potts property are shown in **Figure 1**.

2.0 FIELD METHODOLOGY

Prior to conducting the geophysical investigation, a 20-foot by 20-foot survey grid was established across the geophysical survey area using measuring tapes and water-based marking paint. These grid marks were used as X-Y coordinates for location control when collecting the geophysical data and establishing base maps for the geophysical results.

The geophysical investigation consisted of electromagnetic (EM) induction-metal detection surveys and ground penetrating radar (GPR) surveys. The EM survey was performed on March 2, 2011 using a Geonics EM61-MK1 metal detection instrument. According to the instrument specifications, the EM61 can detect a metal drum down to a maximum depth of approximately 8 feet. Smaller objects (1-foot or less in size) can be detected to a maximum depth of 4 to 5 feet. All of the EM61 data were

digitally collected at approximately 0.8 foot intervals along northerly-southerly or easterly-westerly parallel survey lines spaced five feet apart. All of the data were downloaded to a computer and reviewed in the field and office using the Geonics DAT61W and Surfer for Windows Version 7.0 software programs.

GPR surveys were conducted on March 8, 2011 across selected areas recording EM61 differential anomalies using a GSSI SIR-2000 unit equipped with a 400 MHz antenna. Data were digitally collected in a continuous mode along X-axis and/or Y-axis survey lines, spaced 2.5 to 5.0 feet apart using a vertical scan of 512 samples, at a rate of 48 scans per second. A 70 MHz high pass filter and an 800 MHz low pass filter were used during data acquisition with the 400 MHz antenna. GPR data were collected down to a maximum depth of approximately 5 feet, based on an estimated two-way travel time of 8 nanoseconds per foot. All of the GPR data were downloaded to a field computer and reviewed in the field and office using Radprint software.

Locations of the EM61 metal detection survey lines and the GPR survey lines acquired across the geophysical survey area are shown as red dots and purple lines, respectively in **Figure 2**. Each red dot represents an EM61 data point.

Contour plots of the EM61 bottom coil and differential results are presented in **Figures 3 and 4,** respectively. The bottom coil results represent the most sensitive component of the EM61 instrument and detect metal objects regardless of size. The bottom coil response can be used to delineate metal conduits or utility lines, small, isolated metal objects, and areas containing insignificant metal debris. The differential results are obtained from the difference between the top and bottom coils of the EM61 instrument. The differential results focus on the larger metal objects such as drum and UST-size objects and ignore the smaller insignificant metal objects.

Preliminary contour plots of the EM61 bottom coil and EM61 differential results obtained from the survey area were emailed to Ms. Overmyer on March 13, 2011.

3.0 DISCUSSION OF RESULTS

The linear EM61 bottom coil anomalies running along the edge of West Market Street and intersecting grid coordinates X=80 Y=10 and X=80 Y=20 are probably in response to several buried utility lines. Similarly, the linear bottom coil anomalies intersecting grid coordinates X=217 Y=50 and X=227 Y=60 are probably in response to conduits or lines running from the commercial building to the edge of West Market Street. GPR data suggest the EM61 anomaly intersecting grid coordinates X=257 Y=65 is probably in response to a segment of buried conduit running from the building but terminating near grid coordinates X=258 Y=55.

GPR data suggest the EM61 anomaly centered near grid coordinates X=54 Y=130 is in response to the house, air conditioning unit and a buried line. The line runs from the house towards the metal fence and is buried approximately 2.5 feet below present grade. The dashed black line shown in the figures and intersecting grid coordinates X=50 Y=130 represents the approximate location of the buried line, as suggested by the GPR data.

GPR data suggest the EM61 anomalies centered near grid coordinates X=79 Y=210 and X=77 Y=240 are in response to the adjacent parked vehicles and commercial building, respectively. The remaining EM61 anomalies are probably in response to known surface objects or to buried miscellaneous debris. The geophysical investigation suggests that the surveyed portion of Parcel 33 does not contain metallic USTs.

4.0 SUMMARY & CONCLUSIONS

Our evaluation of the EM61 and GPR data collected across the proposed ROW area at the Nancy Potts property (Parcel 33) located at 9222 West Market Street in Colfax, North Carolina, provides the following summary and conclusions:

- The EM61 and GPR surveys provided reliable results for the detection of metallic USTs within the surveyed portion of the site.

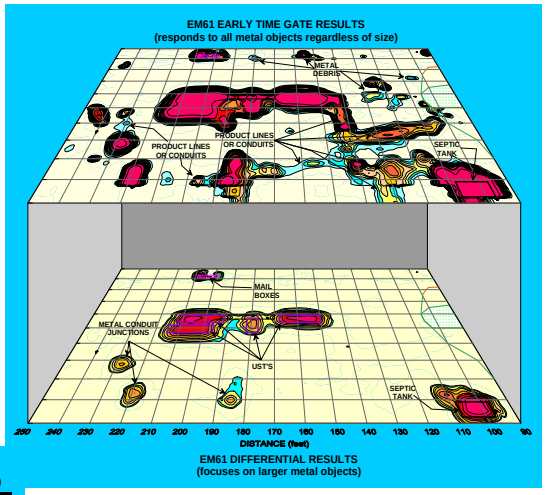
- The linear EM61 bottom coil anomalies running along the edge of West Market Street and intersecting grid coordinates X=80 Y=10 and X=80 Y=20 are probably in response to several buried utility lines. Similarly, the linear bottom coil anomalies intersecting grid coordinates X=217 Y=50 and X=227 Y=60 are probably in response to conduits or lines running from the building to the edge of West Market Street.

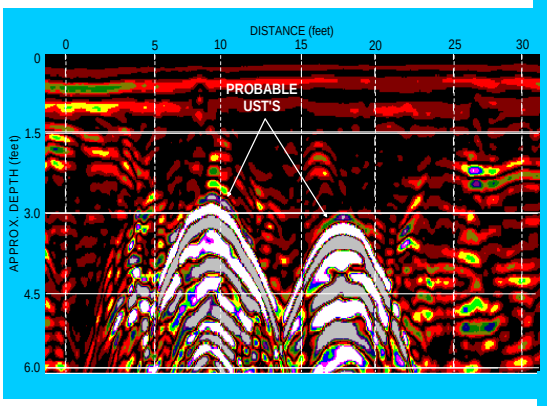
- GPR data suggest the EM61 anomaly centered near grid coordinates X=54 Y=130 is in response to the house, air conditioning unit and a buried line. The line runs from the house towards the metal fence and is buried approximately 2.5 feet below present.

- The remaining EM61 anomalies are probably in response to known surface objects or to buried miscellaneous debris. The geophysical investigation suggests that the surveyed portion of Parcel 33 does not contain metallic USTs.

5.0 LIMITATIONS

EM61 and GPR surveys have been performed and this report prepared for Solutions-IES in accordance with generally accepted guidelines for EM61 and GPR surveys. It is generally recognized that the results of the EM61 and GPR are non-unique and may not represent actual subsurface conditions. The EM61 and GPR results do not conclusively determine that the proposed ROW area of the site does not contain metallic USTs but that none were detected.





FIGURES

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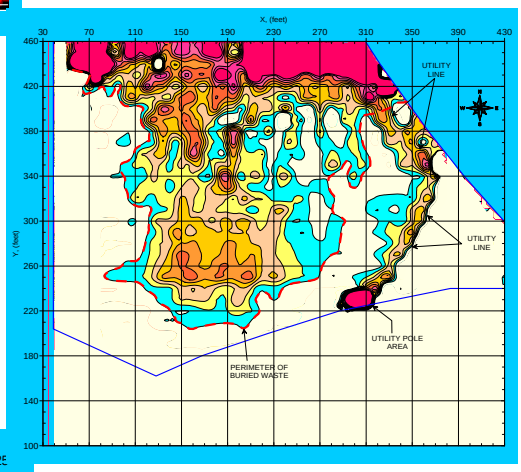
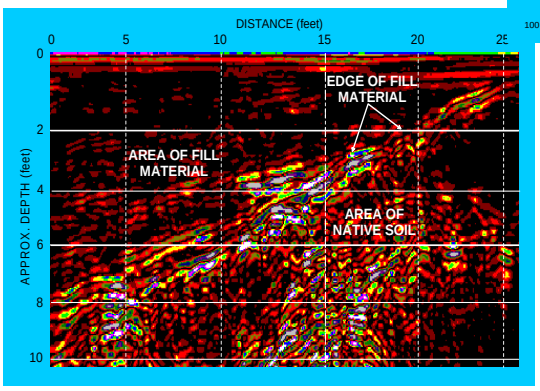
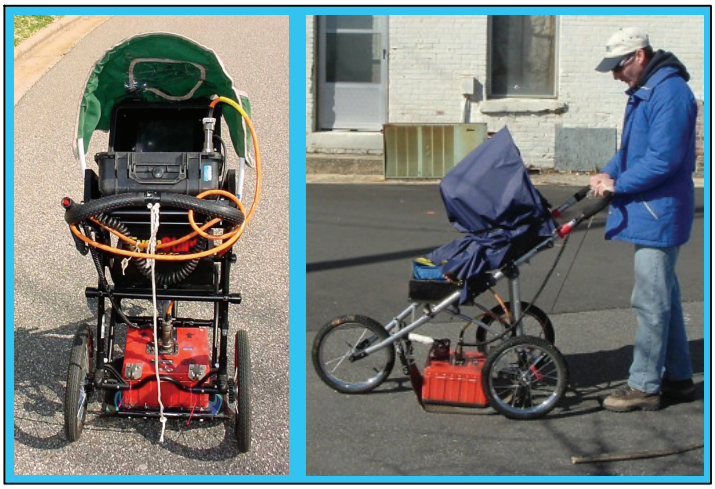
Figures shown on this page are for esthetic purposes only and are not related to the geophysical results discussed in this report.





The photograph shows the Geonics EM61 metal detector that was used to conduct the metal detection survey across the proposed Right-of-Way area at Parcel 33 on March 2, 2011.



The photographs show the SIR-2000 GPR system equipped with a 400 MHz antenna that were used to conduct the ground penetrating radar investigation at Parcel 33 on March 8, 2011.

The photograph shows the proposed Right-of-Way portion of the Nancy Potts property located at the intersection of West Market Street and Kidd Road in Colfax, North Carolina. The photograph is viewed in a westerly direction.

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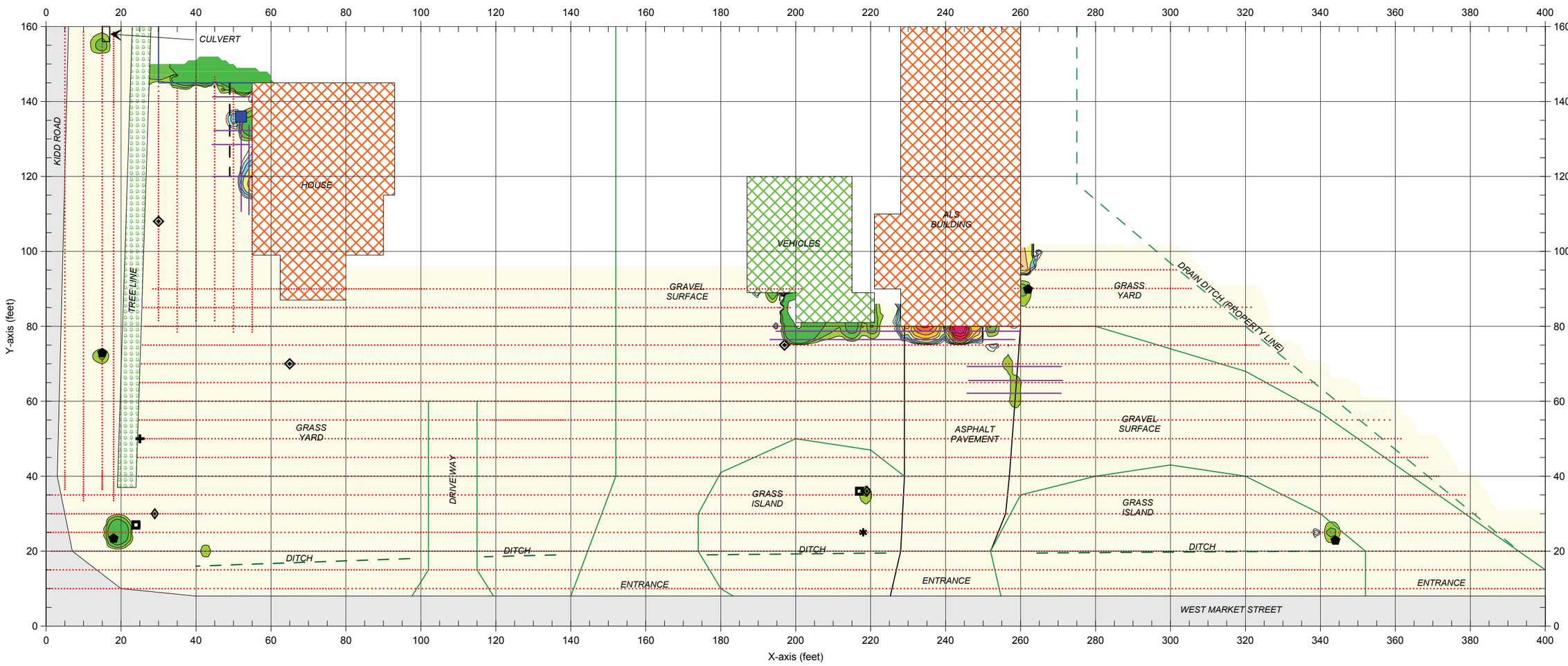
ENVIRONMENTAL & ENGINEERING, P.C.

CLIENT	SOLUTIONS-IES	DATE	03/15/11	DRWN	MJD
SITE	NANCY POTTS PROPERTY (PARCEL 33)	LAY		CHKD	
CITY	COLFAX	STATE	NORTH CAROLINA	DWG	
TITLE	GEOPHYSICAL RESULTS	JNO	2011-048	FIGURE	

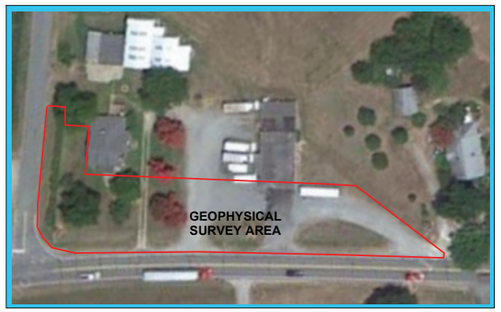
GEOPHYSICAL EQUIPMENT & SITE PHOTOGRAPHS

FIGURE 1



LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- BUILDING
- PARKED VEHICLES
- GUY WIRE
- NATURAL GAS LINE MARKER
- AIR CONDITIONING UNIT
- ROAD SIGN
- PROPOSED ROW MARKER
- UTILITY LINE BOX
- UTILITY POLE
- METAL FENCE LINE
- EM61 METAL DETECTION SURVEY LINE
- GPR SURVEY LINE



Note: The red polygon in the areial photograph represents the perimeter of the geophysical survey area at the Nancy Potts property (Parcel 33) located at 9222 West Market Street.

N
W
E
S
APPROXIMATE NORTH

Note: The map shows the geophysical survey area at the Nancy & John Potts property located at 9222 West Market Street. The red dots represent the EM61 metal detection survey lines that were acquired on March 2, 2011 using a Geonics EM61 metal detection instrument. Each dot represents an EM61 data point.

The solid purple lines represent the GPR survey lines. The GPR investigation was conducted on March 8, 2011 using a Geophysical Survey Systems SIR-2000 unit with a 400 MHz antenna.

GEOPHYSICAL SURVEY LINE LOCATIONS

FIGURE 2

GRAPHIC SCALE IN FEET

DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J.NO.
03/15/11			2011-048

CLIENT: SOLUTIONS-IES
SITE: NANCY POTTS PROPERTY (PARCEL 33)
CITY: COLFAX
STATE: NORTH CAROLINA
TITLE: GEOPHYSICAL RESULTS

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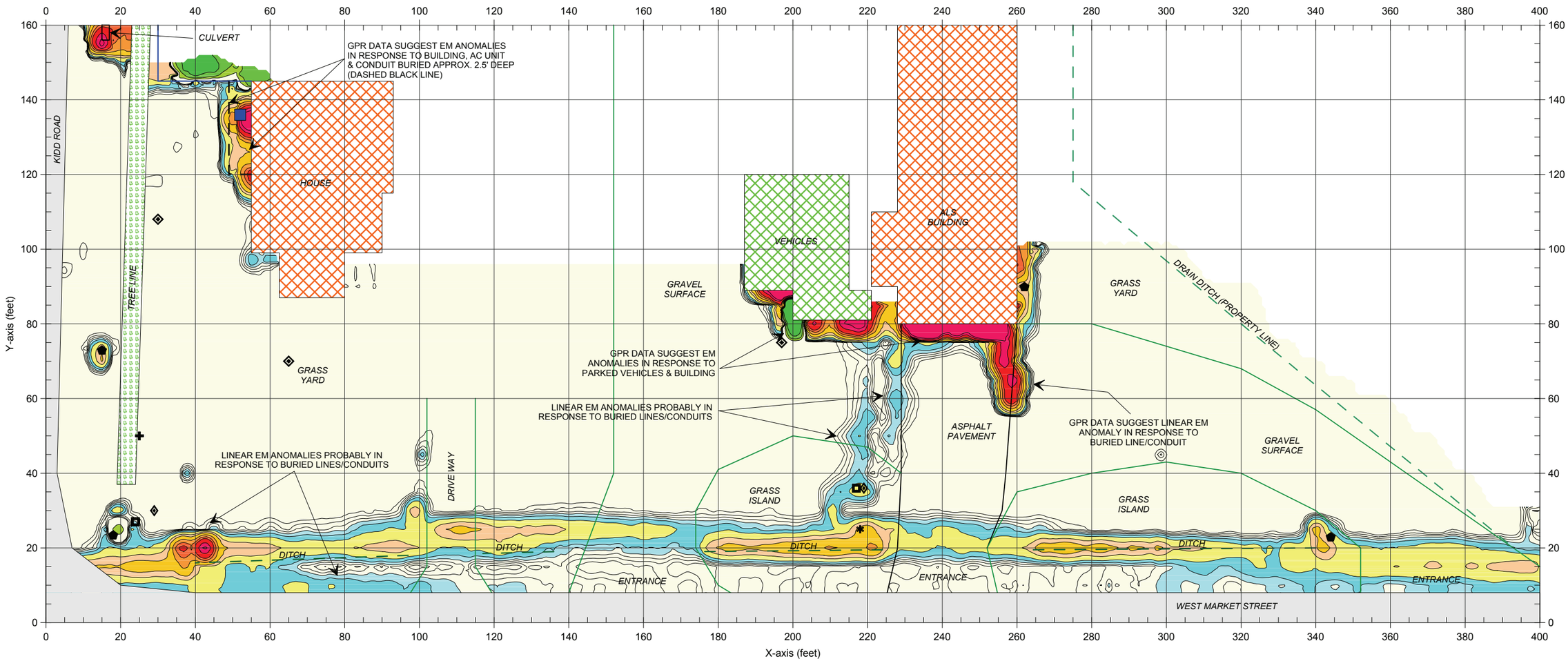
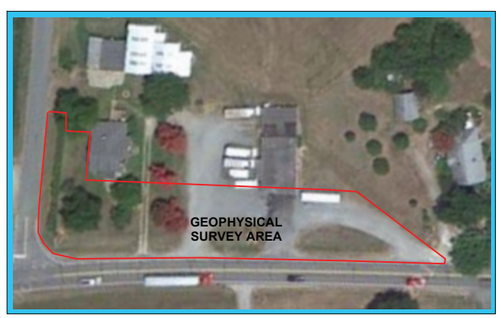
EM61 METAL DETECTION (BOTTOM COIL RESULTS)

FIGURE 3



LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- BUILDING
- PARKED VEHICLES
- GUY WIRE
- NATURAL GAS LINE MARKER
- AIR CONDITIONING UNIT
- ROAD SIGN
- PROPOSED ROW MARKER
- UTILITY LINE BOX
- UTILITY POLE
- METAL FENCE LINE



Note: The red polygon in the areial photograph represents the perimeter of the geophysical survey area at the Nancy Potts property (Parcel 33) located at 9222 West Market Street.

N E S W

APPROXIMATE NORTH

EM61 BOTTOM COIL RESPONSE (MILLIVOLTS)

1000
750
500
400
300
200
150
100
75
60
50
40
30
-90
-100
-200
-400
-5000

The contour plot shows the bottom coil (most sensitive) response of the EM61 instrument in millivolts (mV). The bottom coil response shows buried metallic objects regardless of size. The EM metal detection data were collected on March 2, 2011 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on March 8, 2011 across selected EM61 differential anomalies using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

The geophysical investigation suggests that the surveyed portion of Parcel 33 does not contain metallic USTs.

GRAPHIC SCALE IN FEET

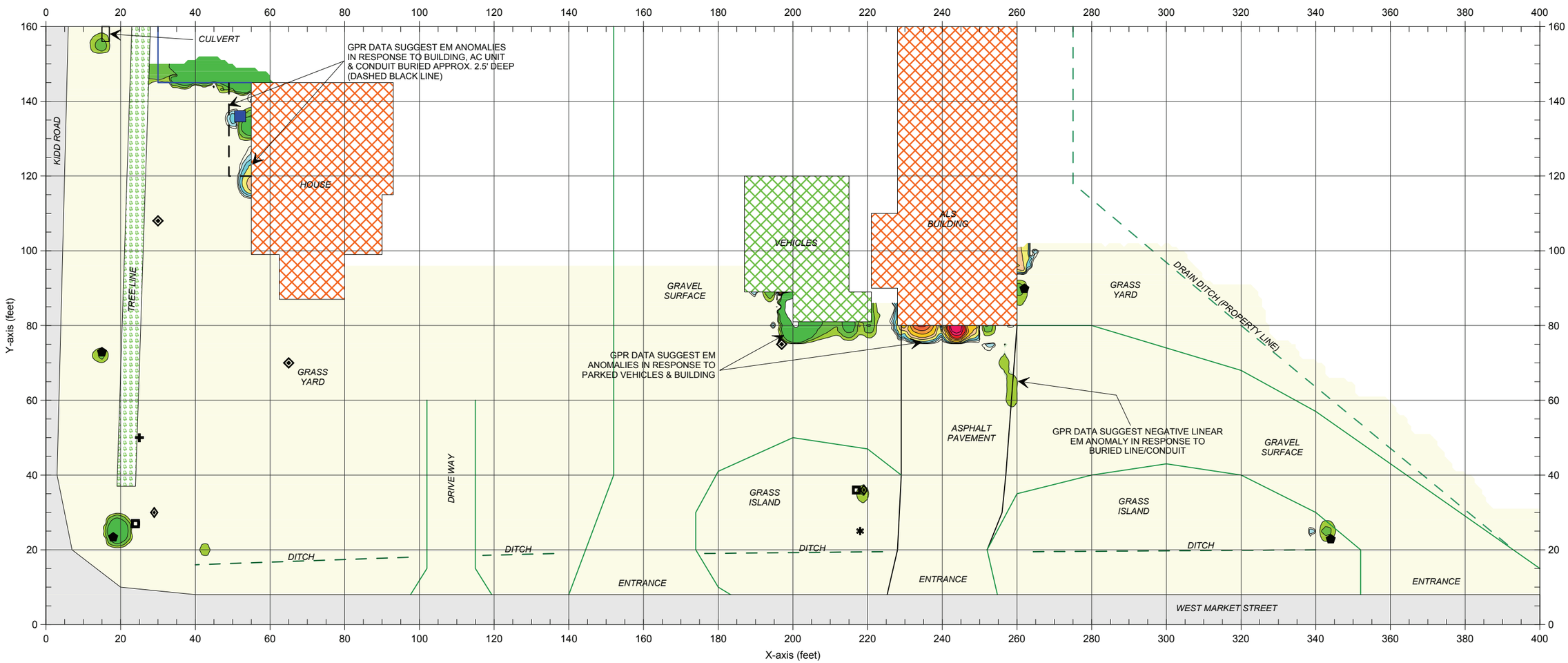
DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J.-NO.
03/15/11			2011-048

CLIENT	SITE	CITY	STATE	TITLE
SOLUTIONS-IES	NANCY POTTS PROPERTY (PARCEL 33)	COLFAX	NORTH CAROLINA	GEOPHYSICAL RESULTS

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

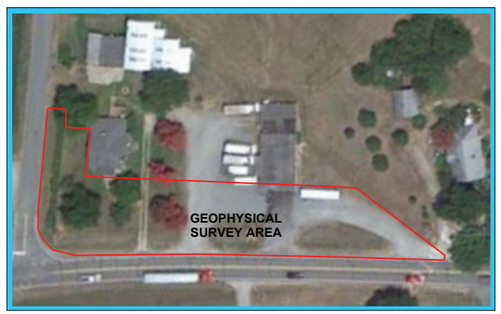
EM61 METAL DETECTION (DIFFERENTIAL RESULTS)

FIGURE 4



LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- BUILDING
- PARKED VEHICLES
- GUY WIRE
- NATURAL GAS LINE MARKER
- AIR CONDITIONING UNIT
- ROAD SIGN
- PROPOSED ROW MARKER
- UTILITY LINE BOX
- UTILITY POLE
- METAL FENCE LINE



Note: The red polygon in the areial photograph represents the perimeter of the geophysical survey area at the Nancy Potts property (Parcel 33) located at 9222 West Market Street.

APPROXIMATE NORTH

EM61 DIFFERENTIAL RESPONSE (MILLIVOLTS)

1000
750
500
400
300
200
150
100
75
60
50
-90
-100
-200
-400
-5000

Note: The contour plot shows the differential response between the bottom and top coils of the EM61 instrument in millivolts (mV). The differential response focuses on larger, buried metallic objects such as drums and USTs and ignores smaller miscellaneous, buried, metal debris. The EM61 data were collected on March 2, 2011 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on March 8, 2011 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

The geophysical investigation suggests that the surveyed portion of Parcel 33 does not contain metallic USTs.

GRAPHIC SCALE IN FEET

DRWN	MJD
CHKD	
FIGURE	
DATE	03/15/11
LAY	
DWG	
J.-NO.	2011-048

CLIENT: SOLUTIONS-IES
SITE: NANCY POTTS PROPERTY (PARCEL 33)
CITY: COLFAX
STATE: NORTH CAROLINA
TITLE: GEOPHYSICAL RESULTS

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

APPENDIX C

GPS COORDINATES

APPENDIX C
Boring Location GPS Coordinates
Parcel #33
9222 West Market Street Street
Colfax, Guilford County, North Carolina
WBS Element: 34482.1.1; State Project: R-2611

Boring Identification	Latitude	Longitude
33-1	36.11173256	-80.01230263
33-2	36.11166023	-80.01251721
33-3	36.11166442	-80.01260790
33-4	36.11157607	-80.01246952
33-5	36.11152461	-80.01251210
33-6	36.11149116	-80.01233356
33-7	36.11146501	-80.01242266
33-8	36.11143249	-80.01219065
33-9	36.11137264	-80.01236600
33-10	36.11129553	-80.01223264
33-11	36.11122420	-80.01211630
33-12	36.11116536	-80.01200298
33-13	36.11104717	-80.01195730

APPENDIX D

BORING LOGS

Log of Soil Boring: 33-1

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861097.07**
Easting: **1700981.312**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
	0.00		Ground Surface							
0		CL	Moist, brown sandy clay				0.00			
2		CL	Moist, brown silty clay		100		0.00			
4		CL	Dry, red and orange clay				0.25			
6		CL	Dry, brown sandy, silty clay		100		0.10		33-1-6-8	
8		CL	Dry, red sandy clay							
10			End of Boring							
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

Solutions-IES
Industrial & Environmental Services
1101 Nowell Road
Raleigh, North Carolina 27607
Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 33-2

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861071.387**
Easting: **1700917.662**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
	0.00		Ground Surface							
0			**CL** Moist, brown sandy clay				0.00			
2			**SM** Dry, orange sandy silt		100		0.00			
4			**CL** Dry, red silty clay				0.10			
6			**SC** Dry, white and red clayey sand, coarse towards bottom		100		0.25		33-2-6-8	
8			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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Log of Soil Boring: 33-3

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861073.185**
Easting: **1700890.89**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth		Lithology Sample Information					Laboratory Sample Information			Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
0		CL	Moist, brown sandy clay				0.00			
2		CL	Dry, orange silty, sandy clay		100		0.00			
4		SM	Dry, orange sandy silt				0.00			
6		CL	Dry, pink and orange sandy clay		100		0.00		33-3-6-8	
8		SC	Dry, white and brown clayey sand							
			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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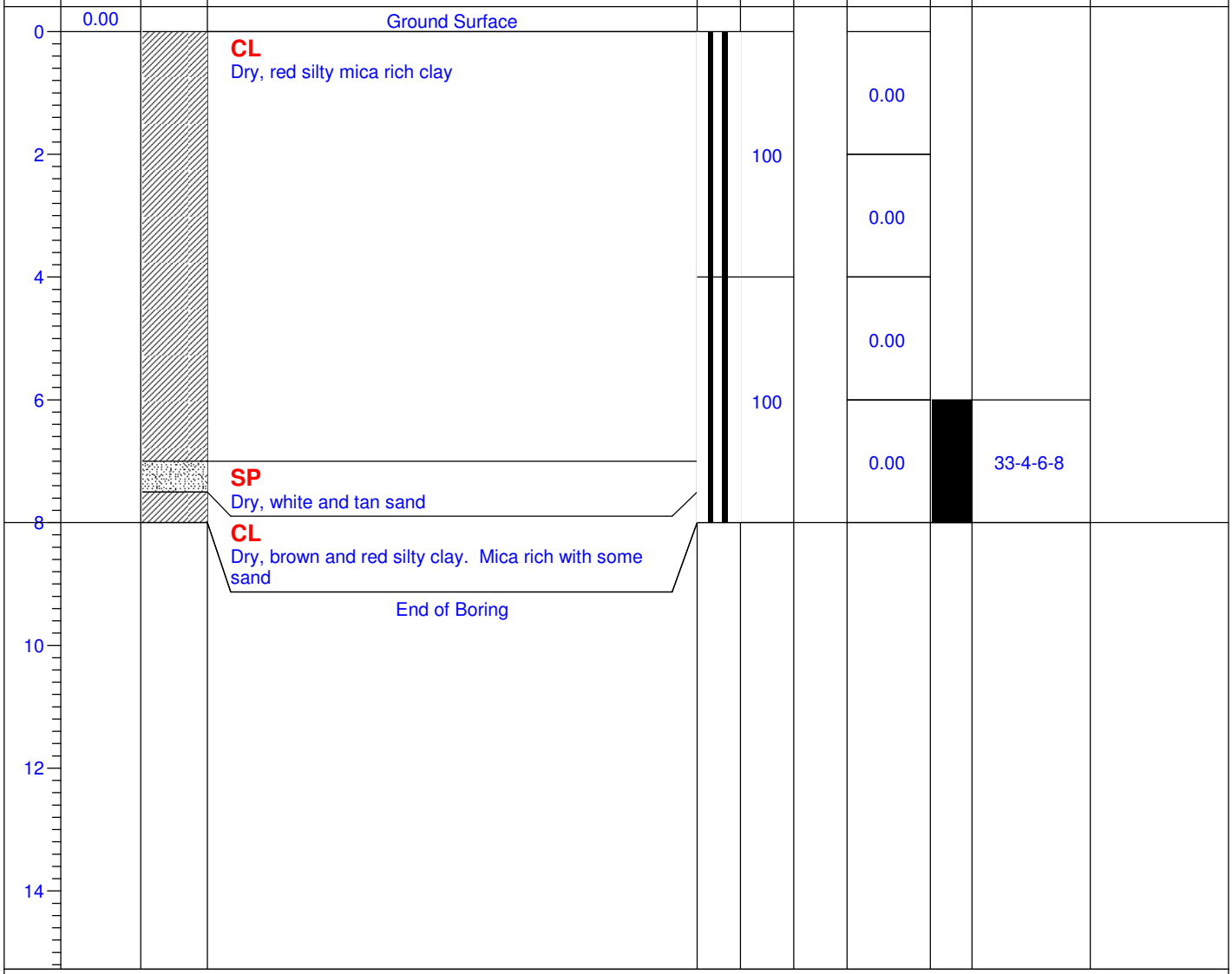
Log of Soil Boring: 33-4

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861040.607**
Easting: **1700931.436**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**



Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 33-5

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861022.003**
Easting: **1700918.668**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth		Lithology Sample Information					Laboratory Sample Information			Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
	0.00		Ground Surface							
0		CL	Dry, red silty clay				0.10			
2					100		0.00			
4		CL	Dry, red and orange micaceous sandy clay				0.00			
6					100		0.25		33-5-6-8	
8		CL	Dry, red silty clay							
			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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Log of Soil Boring: 33-6

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861009.289**
Easting: **1700971.28**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth		Lithology Sample Information					Laboratory Sample Information			Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
	0.00		Ground Surface							
0			**CL** Dry, red silty clay				0.00			
2					100		0.00			
4							0.10			
6					100		0.00		33-6-6-8	
			SC Dry, white and pink clayey sand							
8			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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Log of Soil Boring: 33-7

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861000.038**
Easting: **1700944.865**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth		Lithology Sample Information					Laboratory Sample Information			Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
			GW Dry, gray gravel and sand				0.00			
			CL Dry, red silty micaceous clay							
2					100		0.20			
4							0.35			
6					100		0.00		33-7-6-8	
8			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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Log of Soil Boring: 33-8

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **860987.501**
Easting: **1701013.274**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
	0.00		Ground Surface							
0		GW	Dry, gray gravel				0.00			
		CL	Dry, brown gravelly, sandy clay		100					
2							0.00			
		CL	Dry. red micaceous clay with some sand							
4			No Recovery							
		CL	Dry, red and brown sandy clay				0.00			
6					90					
		CL	Dry, brown and light brown micaceous sandy clay with some gravel				0.21		33-8-6-8	
8			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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Log of Soil Boring: 33-9

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **860966.243**
Easting: **1700961.258**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth		Lithology Sample Information					Laboratory Sample Information			Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
0	0.00		Ground Surface							
0		GC	Dry, red gravelly clay		100		0.00			
2							0.00			
4		CL	Dry, red clay				0.00			
6		SC	Dry, white and orange clayey sand		100		0.35		33-9-6-8	
8			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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Log of Soil Boring: 33-10

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **860937.771**
Easting: **1701000.363**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth		Lithology Sample Information					Laboratory Sample Information			Well Information
Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
	0.00		Ground Surface							
0			**GW** Dry, gray gravel				0.00			
			CL Dry, red silty clay tight							
2					100		0.00			
4							0.40			
6					100		0.42		33-10-6-8	
			CL Dry, red and orange sandy clay							
8			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 33-11

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **860911.455**
Easting: **1701034.462**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
	0.00		Ground Surface							
0			No Recovery				0.00			
2		GW	GW Dry, asphalt and gravel mix		50		0.00			
		CL	CL Dry, red tight clay							
4		CL	CL Dry, red silty clay. Sandy near bottom				0.15			
6					100		0.00		33-11-6-8	
8			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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Log of Soil Boring: 33-12

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **860889.695**
Easting: **1701067.716**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
	0.00		Ground Surface							
0		GW	Dry, gray gravel				0.00			
2		CL	Dry, red and brown silty clay		100		0.00			
4		CL	Dry, red micaceous clay				0.00			
6		CL	Dry, red sandy clay		100		0.20		33-12-6-8	
8			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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Log of Soil Boring: 33-13

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **860846.534**
Easting: **1701080.77**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 33**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **NA**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i):
Date & Time (f):
Logged by: **BE**
Checked by:
WBS #: **34482.1.1**
State Project #: **R-2611**

Depth	Elevation	USCS Symbol	Description	Sample Interval	Recovery %	Blows / 0.5 FT	Field Screen	Sample Interval	Sample ID	Well Const.
	0.00		Ground Surface							
0			**CL** Dry, red and orange mottled silty micaceous clay				0.00			
2					100		0.00			
4			**CL** Dry, red and brown sandy micaceous clay				0.00			
6					100		0.20		33-13-6-8	
8			End of Boring							
10										
12										
14										

Well Construction Details

Drilling Contractor: **Solutions-IES**
Size of Borehole: **2.75**
TOC Elevation: **NA**
Screen Interval: **NA**
Completion: **NA**
Casing Diameter: **NA**
Screen Material: **NA**
Total Depth: **NA**
Casing Material: **NA**
Slot Size: **NA**

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APPENDIX E

LABORATORY ANALYTICAL REPORT

Laboratory Report of Analysis

To: Jody Overmyer
SOLUTIONS-IES
1101 Nowell Rd.
Raleigh, NC 27607

Report Number: **31100608**

Client Project: **3948 Guilford Co. Parcel 33**

Dear Jody Overmyer,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. 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. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. 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 services performed during this project, please call Lori Lockamy at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Lori Lockamy Date
Project Manager
lori.lockamy@sgs.com

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < LOD)
V	Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit
A	Amount detected is less than the Lower Method Calibration Limit
J	Amount detected is between the Method Detection Limit and the Lower Calibration Limit
O	The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high
E	Amount detected is greater than the Upper Calibration Limit
S	The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s)
Q	Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s)
I	Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s)
DPE	Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)
TIC	Tentatively Identified Compound
EMC	Estimated Maximum possible Concentration due to ion ratio failure
ND	Not Detected
K	Result is estimated due to ion ratio failure in High Resolution PCB Analysis
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range
M1	Mis-identified peak
M2	Software did not integrate peak
M3	Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4	Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)
M5	Other - Explained in case narrative

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

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Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
33-1-6-8	31100608001	03/29/2011 11:20	03/30/2011 10:00	Soil
33-2-6-8	31100608002	03/29/2011 11:30	03/30/2011 10:00	Soil
33-3-6-8	31100608003	03/29/2011 11:35	03/30/2011 10:00	Soil
33-4-6-8	31100608004	03/29/2011 11:40	03/30/2011 10:00	Soil
33-5-6-8	31100608005	03/29/2011 11:45	03/30/2011 10:00	Soil
33-6-6-8	31100608006	03/29/2011 13:30	03/30/2011 10:00	Soil
33-7-6-8	31100608007	03/29/2011 13:31	03/30/2011 10:00	Soil
33-8-6-8	31100608008	03/29/2011 13:38	03/30/2011 10:00	Soil
33-9-6-8	31100608009	03/29/2011 13:40	03/30/2011 10:00	Soil
33-10-6-8	31100608010	03/29/2011 13:43	03/30/2011 10:00	Soil
33-11-6-8	31100608011	03/29/2011 13:45	03/30/2011 10:00	Soil
33-12-6-8	31100608012	03/29/2011 13:49	03/30/2011 10:00	Soil
33-13-6-8	31100608013	03/29/2011 13:55	03/30/2011 10:00	Soil

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Results of **33-1-6-8**

Client Sample ID: **33-1-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608001-E
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:20
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 80

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	6.16	6.16	mg/kg	1
C9-C12 Aliphatic	ND	U	6.16	6.16	mg/kg	1
C9-C10 Aromatic	ND	U	6.16	6.16	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	95.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	98.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1125**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/07/2011 01:43**

Prep Batch: **VXX1300**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/06/2011 10:37**
Prep Initial Wt./Vol.: **5.07 g**
Prep Extract Vol: **5 mL**

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Results of **33-1-6-8**

Client Sample ID: **33-1-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608001-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:20
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 80

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	1.23	5.79	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.900	5.79	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.31	5.79	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.20	5.79	ug/Kg	1
1,1-Dichloroethane	ND	U	0.999	5.79	ug/Kg	1
1,1-Dichloroethene	ND	U	1.05	5.79	ug/Kg	1
1,1-Dichloropropene	ND	U	1.07	5.79	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.61	5.79	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.28	5.79	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.38	5.79	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.24	5.79	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	6.72	34.7	ug/Kg	1
1,2-Dibromoethane	ND	U	0.877	5.79	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.49	5.79	ug/Kg	1
1,2-Dichloroethane	ND	U	1.03	5.79	ug/Kg	1
1,2-Dichloropropane	ND	U	0.932	5.79	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	1.14	5.79	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.34	5.79	ug/Kg	1
1,3-Dichloropropane	ND	U	0.933	5.79	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.27	5.79	ug/Kg	1
2,2-Dichloropropane	ND	U	0.965	5.79	ug/Kg	1
2-Butanone	ND	U	1.81	28.9	ug/Kg	1
2-Chlorotoluene	ND	U	1.30	5.79	ug/Kg	1
2-Hexanone	ND	U	2.26	14.5	ug/Kg	1
4-Chlorotoluene	ND	U	1.28	5.79	ug/Kg	1
4-Isopropyltoluene	ND	U	1.20	5.79	ug/Kg	1
4-Methyl-2-pentanone	ND	U	3.72	14.5	ug/Kg	1
Acetone	ND	U	1.44	57.9	ug/Kg	1
Benzene	ND	U	1.03	5.79	ug/Kg	1
Bromobenzene	ND	U	1.14	5.79	ug/Kg	1
Bromochloromethane	ND	U	1.01	5.79	ug/Kg	1
Bromodichloromethane	ND	U	0.941	5.79	ug/Kg	1
Bromoform	ND	U	0.774	5.79	ug/Kg	1
Bromomethane	ND	U	2.04	5.79	ug/Kg	1
n-Butylbenzene	ND	U	1.25	5.79	ug/Kg	1
Carbon disulfide	ND	U	1.00	5.79	ug/Kg	1
Carbon tetrachloride	ND	U	1.01	5.79	ug/Kg	1
Chlorobenzene	ND	U	0.896	5.79	ug/Kg	1
Chloroethane	ND	U	0.532	5.79	ug/Kg	1
Chloroform	ND	U	0.940	5.79	ug/Kg	1
Chloromethane	ND	U	0.839	5.79	ug/Kg	1
Dibromochloromethane	ND	U	0.980	5.79	ug/Kg	1
Dibromomethane	ND	U	0.940	5.79	ug/Kg	1

Print Date: 04/13/2011

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Results of **33-1-6-8**

Client Sample ID: **33-1-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608001-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:20
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 80

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.997	5.79	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	1.04	5.79	ug/Kg	1
Diisopropyl Ether	ND	U	1.04	5.79	ug/Kg	1
Ethyl Benzene	ND	U	0.957	5.79	ug/Kg	1
Hexachlorobutadiene	ND	U	1.59	5.79	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	1.11	5.79	ug/Kg	1
Methyl iodide	ND	U	0.979	5.79	ug/Kg	1
Methylene chloride	ND	U	0.808	23.1	ug/Kg	1
Naphthalene	ND	U	1.40	5.79	ug/Kg	1
Styrene	ND	U	1.14	5.79	ug/Kg	1
Tetrachloroethene	ND	U	0.870	5.79	ug/Kg	1
Toluene	ND	U	0.938	5.79	ug/Kg	1
Trichloroethene	ND	U	0.969	5.79	ug/Kg	1
Trichlorofluoromethane	ND	U	0.873	5.79	ug/Kg	1
Vinyl chloride	ND	U	0.852	5.79	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.897	5.79	ug/Kg	1
m,p-Xylene	ND	U	2.05	11.6	ug/Kg	1
n-Propylbenzene	ND	U	1.13	5.79	ug/Kg	1
o-Xylene	ND	U	1.17	5.79	ug/Kg	1
sec-Butylbenzene	ND	U	1.20	5.79	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.986	5.79	ug/Kg	1
tert-Butylbenzene	ND	U	1.05	5.79	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.997	5.79	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	6.26	28.9	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	130			55.0-173	%	1
4-Bromofluorobenzene	102			23.0-141	%	1
Toluene d8	109			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 14:16**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **5.4 g**
Prep Extract Vol: **5 mL**

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Results of **33-1-6-8**

Client Sample ID: **33-1-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608001-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:20
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 80

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	16.4	16.4	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	5.87	5.87	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	7.87	7.87	mg/kg	1
Surrogates						
n-Tricosane	109			40.0-140	%	1
o-Terphenyl	90.0			40.0-140	%	1
2-Bromonaphthalene	96.0			40.0-140	%	1
2-Fluorobiphenyl	97.0			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1125**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/04/2011 22:00**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **12.77 g**
Prep Extract Vol: **10 mL**

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Results of **33-1-6-8**

Client Sample ID: **33-1-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608001-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:20
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 80

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	32.9	374	ug/Kg	1
1,2-Dichlorobenzene	ND	U	18.6	374	ug/Kg	1
1,3-Dichlorobenzene	ND	U	25.2	374	ug/Kg	1
1,4-Dichlorobenzene	ND	U	26.4	374	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	24.9	374	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	25.3	374	ug/Kg	1
2,4-Dichlorophenol	ND	U	21.6	374	ug/Kg	1
2,4-Dinitrophenol	ND	U	34.6	746	ug/Kg	1
2,4-Dinitrotoluene	ND	U	18.9	374	ug/Kg	1
2,6-Dinitrotoluene	ND	U	26.7	374	ug/Kg	1
2-Chloronaphthalene	ND	U	22.0	374	ug/Kg	1
2-Chlorophenol	ND	U	19.8	374	ug/Kg	1
2-Methylnaphthalene	ND	U	30.2	374	ug/Kg	1
2-Methylphenol	ND	U	20.6	374	ug/Kg	1
2-Nitroaniline	ND	U	24.6	374	ug/Kg	1
2-Nitrophenol	ND	U	17.9	374	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	24.2	374	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	17.9	374	ug/Kg	1
3-Nitroaniline	ND	U	16.8	374	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	17.5	374	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	18.6	374	ug/Kg	1
4-Chloroaniline	ND	U	29.8	374	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	39.9	374	ug/Kg	1
Acenaphthene	ND	U	16.9	374	ug/Kg	1
Acenaphthylene	ND	U	15.8	374	ug/Kg	1
Anthracene	ND	U	16.6	374	ug/Kg	1
Benzo(a)anthracene	ND	U	20.5	374	ug/Kg	1
Benzo(a)pyrene	ND	U	21.1	374	ug/Kg	1
Benzo(b)fluoranthene	ND	U	21.5	374	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	59.4	374	ug/Kg	1
Benzo(k)fluoranthene	ND	U	44.7	374	ug/Kg	1
Benzoic acid	ND	U	8.28	374	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	16.8	374	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	34.8	374	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	32.6	374	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	17.9	374	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	24.6	374	ug/Kg	1
Butyl benzyl phthalate	ND	U	32.5	374	ug/Kg	1
Chrysene	ND	U	43.4	374	ug/Kg	1
Di-n-butyl phthalate	ND	U	17.7	374	ug/Kg	1
Di-n-octyl phthalate	ND	U	20.6	374	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	16.8	374	ug/Kg	1
Dibenzofuran	ND	U	29.2	374	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-1-6-8**

Client Sample ID: **33-1-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608001-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:20
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 80

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	20.2	374	ug/Kg	1
Dimethyl phthalate	ND	U	28.6	374	ug/Kg	1
2,4-Dimethylphenol	ND	U	27.3	374	ug/Kg	1
Diphenylamine	ND	U	16.8	374	ug/Kg	1
Fluoranthene	ND	U	35.1	374	ug/Kg	1
Fluorene	ND	U	19.8	374	ug/Kg	1
Hexachlorobenzene	ND	U	35.3	374	ug/Kg	1
Hexachlorobutadiene	ND	U	22.3	374	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	113	374	ug/Kg	1
Hexachloroethane	ND	U	21.5	374	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	29.1	374	ug/Kg	1
Isophorone	ND	U	16.9	374	ug/Kg	1
Naphthalene	ND	U	32.2	374	ug/Kg	1
4-Nitroaniline	ND	U	21.5	374	ug/Kg	1
Nitrobenzene	ND	U	21.5	374	ug/Kg	1
4-Nitrophenol	ND	U	36.8	374	ug/Kg	1
Pentachlorophenol	ND	U	29.8	374	ug/Kg	1
Phenanthrene	ND	U	24.6	374	ug/Kg	1
Phenol	ND	U	34.8	374	ug/Kg	1
Pyrene	ND	U	15.8	374	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	107	374	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	64.0			41.0-129	%	1
2-Fluorobiphenyl	89.0			48.0-123	%	1
2-Fluorophenol	94.0			42.0-123	%	1
Nitrobenzene-d5	93.0			46.0-117	%	1
Phenol-d6	91.0			48.0-125	%	1
Terphenyl-d14	85.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 14:16**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **33.52 g**
Prep Extract Vol: **10 mL**

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Results of **33-2-6-8**

Client Sample ID: **33-2-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608002-E
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 87

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	5.20	5.20	mg/kg	1
C9-C12 Aliphatic	ND	U	5.20	5.20	mg/kg	1
C9-C10 Aromatic	ND	U	5.20	5.20	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	95.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	96.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1125**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/07/2011 02:10**

Prep Batch: **VXX1300**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/06/2011 10:37**
Prep Initial Wt./Vol.: **5.52 g**
Prep Extract Vol: **5 mL**

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Results of **33-2-6-8**

Client Sample ID: **33-2-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608002-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 87

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	0.959	4.52	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.704	4.52	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.02	4.52	ug/Kg	1
1,1,2-Trichloroethane	ND	U	0.940	4.52	ug/Kg	1
1,1-Dichloroethane	ND	U	0.780	4.52	ug/Kg	1
1,1-Dichloroethene	ND	U	0.817	4.52	ug/Kg	1
1,1-Dichloropropene	ND	U	0.834	4.52	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.26	4.52	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.00	4.52	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.08	4.52	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	0.968	4.52	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	5.25	27.1	ug/Kg	1
1,2-Dibromoethane	ND	U	0.685	4.52	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.17	4.52	ug/Kg	1
1,2-Dichloroethane	ND	U	0.801	4.52	ug/Kg	1
1,2-Dichloropropane	ND	U	0.728	4.52	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	0.890	4.52	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.05	4.52	ug/Kg	1
1,3-Dichloropropane	ND	U	0.729	4.52	ug/Kg	1
1,4-Dichlorobenzene	ND	U	0.995	4.52	ug/Kg	1
2,2-Dichloropropane	ND	U	0.754	4.52	ug/Kg	1
2-Butanone	ND	U	1.41	22.6	ug/Kg	1
2-Chlorotoluene	ND	U	1.01	4.52	ug/Kg	1
2-Hexanone	ND	U	1.76	11.3	ug/Kg	1
4-Chlorotoluene	ND	U	1.00	4.52	ug/Kg	1
4-Isopropyltoluene	ND	U	0.940	4.52	ug/Kg	1
4-Methyl-2-pentanone	ND	U	2.90	11.3	ug/Kg	1
Acetone	ND	U	1.12	45.2	ug/Kg	1
Benzene	ND	U	0.808	4.52	ug/Kg	1
Bromobenzene	ND	U	0.892	4.52	ug/Kg	1
Bromochloromethane	ND	U	0.789	4.52	ug/Kg	1
Bromodichloromethane	ND	U	0.735	4.52	ug/Kg	1
Bromoform	ND	U	0.605	4.52	ug/Kg	1
Bromomethane	ND	U	1.59	4.52	ug/Kg	1
n-Butylbenzene	ND	U	0.977	4.52	ug/Kg	1
Carbon disulfide	ND	U	0.781	4.52	ug/Kg	1
Carbon tetrachloride	ND	U	0.787	4.52	ug/Kg	1
Chlorobenzene	ND	U	0.700	4.52	ug/Kg	1
Chloroethane	ND	U	0.416	4.52	ug/Kg	1
Chloroform	ND	U	0.734	4.52	ug/Kg	1
Chloromethane	ND	U	0.656	4.52	ug/Kg	1
Dibromochloromethane	ND	U	0.766	4.52	ug/Kg	1
Dibromomethane	ND	U	0.734	4.52	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-2-6-8**

Client Sample ID: **33-2-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608002-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 87

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.779	4.52	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	0.810	4.52	ug/Kg	1
Diisopropyl Ether	ND	U	0.812	4.52	ug/Kg	1
Ethyl Benzene	ND	U	0.748	4.52	ug/Kg	1
Hexachlorobutadiene	ND	U	1.24	4.52	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	0.871	4.52	ug/Kg	1
Methyl iodide	ND	U	0.765	4.52	ug/Kg	1
Methylene chloride	ND	U	0.631	18.1	ug/Kg	1
Naphthalene	ND	U	1.09	4.52	ug/Kg	1
Styrene	ND	U	0.892	4.52	ug/Kg	1
Tetrachloroethene	ND	U	0.680	4.52	ug/Kg	1
Toluene	ND	U	0.732	4.52	ug/Kg	1
Trichloroethene	ND	U	0.757	4.52	ug/Kg	1
Trichlorofluoromethane	ND	U	0.682	4.52	ug/Kg	1
Vinyl chloride	ND	U	0.666	4.52	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.701	4.52	ug/Kg	1
m,p-Xylene	ND	U	1.60	9.04	ug/Kg	1
n-Propylbenzene	ND	U	0.882	4.52	ug/Kg	1
o-Xylene	ND	U	0.913	4.52	ug/Kg	1
sec-Butylbenzene	ND	U	0.940	4.52	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.770	4.52	ug/Kg	1
tert-Butylbenzene	ND	U	0.819	4.52	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.779	4.52	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	4.89	22.6	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	128			55.0-173	%	1
4-Bromofluorobenzene	103			23.0-141	%	1
Toluene d8	109			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 14:46**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **6.35 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-2-6-8**

Client Sample ID: **33-2-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608002-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 87

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	15.0	15.0	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	5.36	5.36	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	7.19	7.19	mg/kg	1
Surrogates						
n-Tricosane	112			40.0-140	%	1
o-Terphenyl	109			40.0-140	%	1
2-Bromonaphthalene	125			40.0-140	%	1
2-Fluorobiphenyl	126			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1125**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/04/2011 22:56**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **12.85 g**
Prep Extract Vol: **10 mL**

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Results of **33-2-6-8**

Client Sample ID: **33-2-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608002-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 87

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	32.2	365	ug/Kg	1
1,2-Dichlorobenzene	ND	U	18.2	365	ug/Kg	1
1,3-Dichlorobenzene	ND	U	24.6	365	ug/Kg	1
1,4-Dichlorobenzene	ND	U	25.8	365	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	24.4	365	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	24.7	365	ug/Kg	1
2,4-Dichlorophenol	ND	U	21.1	365	ug/Kg	1
2,4-Dinitrophenol	ND	U	33.8	728	ug/Kg	1
2,4-Dinitrotoluene	ND	U	18.4	365	ug/Kg	1
2,6-Dinitrotoluene	ND	U	26.1	365	ug/Kg	1
2-Chloronaphthalene	ND	U	21.4	365	ug/Kg	1
2-Chlorophenol	ND	U	19.3	365	ug/Kg	1
2-Methylnaphthalene	ND	U	29.5	365	ug/Kg	1
2-Methylphenol	ND	U	20.2	365	ug/Kg	1
2-Nitroaniline	ND	U	24.0	365	ug/Kg	1
2-Nitrophenol	ND	U	17.5	365	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	23.7	365	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	17.5	365	ug/Kg	1
3-Nitroaniline	ND	U	16.4	365	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	17.1	365	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	18.2	365	ug/Kg	1
4-Chloroaniline	ND	U	29.1	365	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	38.9	365	ug/Kg	1
Acenaphthene	ND	U	16.5	365	ug/Kg	1
Acenaphthylene	ND	U	15.4	365	ug/Kg	1
Anthracene	ND	U	16.2	365	ug/Kg	1
Benzo(a)anthracene	ND	U	20.0	365	ug/Kg	1
Benzo(a)pyrene	ND	U	20.6	365	ug/Kg	1
Benzo(b)fluoranthene	ND	U	21.0	365	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	58.0	365	ug/Kg	1
Benzo(k)fluoranthene	ND	U	43.7	365	ug/Kg	1
Benzoic acid	ND	U	8.09	365	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	16.4	365	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	34.0	365	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	31.8	365	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	17.5	365	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	24.0	365	ug/Kg	1
Butyl benzyl phthalate	ND	U	31.7	365	ug/Kg	1
Chrysene	ND	U	42.4	365	ug/Kg	1
Di-n-butyl phthalate	ND	U	17.2	365	ug/Kg	1
Di-n-octyl phthalate	ND	U	20.2	365	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	16.4	365	ug/Kg	1
Dibenzofuran	ND	U	28.5	365	ug/Kg	1

Print Date: 04/13/2011

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Results of **33-2-6-8**

Client Sample ID: **33-2-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608002-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 87

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	19.7	365	ug/Kg	1
Dimethyl phthalate	ND	U	28.0	365	ug/Kg	1
2,4-Dimethylphenol	ND	U	26.7	365	ug/Kg	1
Diphenylamine	ND	U	16.4	365	ug/Kg	1
Fluoranthene	ND	U	34.3	365	ug/Kg	1
Fluorene	ND	U	19.3	365	ug/Kg	1
Hexachlorobenzene	ND	U	34.5	365	ug/Kg	1
Hexachlorobutadiene	ND	U	21.8	365	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	110	365	ug/Kg	1
Hexachloroethane	ND	U	21.0	365	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	28.4	365	ug/Kg	1
Isophorone	ND	U	16.5	365	ug/Kg	1
Naphthalene	ND	U	31.5	365	ug/Kg	1
4-Nitroaniline	ND	U	21.0	365	ug/Kg	1
Nitrobenzene	ND	U	21.0	365	ug/Kg	1
4-Nitrophenol	ND	U	35.9	365	ug/Kg	1
Pentachlorophenol	ND	U	29.1	365	ug/Kg	1
Phenanthrene	ND	U	24.0	365	ug/Kg	1
Phenol	ND	U	34.0	365	ug/Kg	1
Pyrene	ND	U	15.4	365	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	104	365	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	60.0			41.0-129	%	1
2-Fluorobiphenyl	86.0			48.0-123	%	1
2-Fluorophenol	93.0			42.0-123	%	1
Nitrobenzene-d5	92.0			46.0-117	%	1
Phenol-d6	92.0			48.0-125	%	1
Terphenyl-d14	83.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 14:40**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **31.54 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-3-6-8**

Client Sample ID: **33-3-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608003-E
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:35
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	4.68	4.68	mg/kg	1
C9-C12 Aliphatic	ND	U	4.68	4.68	mg/kg	1
C9-C10 Aromatic	ND	U	4.68	4.68	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	95.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	96.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1125**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/07/2011 02:37**

Prep Batch: **VXX1300**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/06/2011 10:37**
Prep Initial Wt./Vol.: **6.55 g**
Prep Extract Vol: **5 mL**

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Results of **33-3-6-8**

Client Sample ID: **33-3-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608003-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:35
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	1.20	5.68	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.883	5.68	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.28	5.68	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.18	5.68	ug/Kg	1
1,1-Dichloroethane	ND	U	0.980	5.68	ug/Kg	1
1,1-Dichloroethene	ND	U	1.03	5.68	ug/Kg	1
1,1-Dichloropropene	ND	U	1.05	5.68	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.58	5.68	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.26	5.68	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.35	5.68	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.21	5.68	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	6.60	34.1	ug/Kg	1
1,2-Dibromoethane	ND	U	0.861	5.68	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.46	5.68	ug/Kg	1
1,2-Dichloroethane	ND	U	1.01	5.68	ug/Kg	1
1,2-Dichloropropane	ND	U	0.914	5.68	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	1.12	5.68	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.32	5.68	ug/Kg	1
1,3-Dichloropropane	ND	U	0.915	5.68	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.25	5.68	ug/Kg	1
2,2-Dichloropropane	ND	U	0.947	5.68	ug/Kg	1
2-Butanone	ND	U	1.77	28.4	ug/Kg	1
2-Chlorotoluene	ND	U	1.27	5.68	ug/Kg	1
2-Hexanone	ND	U	2.21	14.2	ug/Kg	1
4-Chlorotoluene	ND	U	1.26	5.68	ug/Kg	1
4-Isopropyltoluene	ND	U	1.18	5.68	ug/Kg	1
4-Methyl-2-pentanone	ND	U	3.64	14.2	ug/Kg	1
Acetone	ND	U	1.41	56.8	ug/Kg	1
Benzene	ND	U	1.01	5.68	ug/Kg	1
Bromobenzene	ND	U	1.12	5.68	ug/Kg	1
Bromochloromethane	ND	U	0.991	5.68	ug/Kg	1
Bromodichloromethane	ND	U	0.923	5.68	ug/Kg	1
Bromoform	ND	U	0.760	5.68	ug/Kg	1
Bromomethane	ND	U	2.00	5.68	ug/Kg	1
n-Butylbenzene	ND	U	1.23	5.68	ug/Kg	1
Carbon disulfide	ND	U	0.981	5.68	ug/Kg	1
Carbon tetrachloride	ND	U	0.988	5.68	ug/Kg	1
Chlorobenzene	ND	U	0.879	5.68	ug/Kg	1
Chloroethane	ND	U	0.522	5.68	ug/Kg	1
Chloroform	ND	U	0.922	5.68	ug/Kg	1
Chloromethane	ND	U	0.823	5.68	ug/Kg	1
Dibromochloromethane	ND	U	0.962	5.68	ug/Kg	1
Dibromomethane	ND	U	0.922	5.68	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-3-6-8**

Client Sample ID: **33-3-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608003-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:35
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.978	5.68	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	1.02	5.68	ug/Kg	1
Diisopropyl Ether	ND	U	1.02	5.68	ug/Kg	1
Ethyl Benzene	ND	U	0.939	5.68	ug/Kg	1
Hexachlorobutadiene	ND	U	1.56	5.68	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	1.09	5.68	ug/Kg	1
Methyl iodide	ND	U	0.961	5.68	ug/Kg	1
Methylene chloride	ND	U	0.793	22.7	ug/Kg	1
Naphthalene	ND	U	1.37	5.68	ug/Kg	1
Styrene	ND	U	1.12	5.68	ug/Kg	1
Tetrachloroethene	ND	U	0.854	5.68	ug/Kg	1
Toluene	ND	U	0.920	5.68	ug/Kg	1
Trichloroethene	ND	U	0.950	5.68	ug/Kg	1
Trichlorofluoromethane	ND	U	0.856	5.68	ug/Kg	1
Vinyl chloride	ND	U	0.836	5.68	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.880	5.68	ug/Kg	1
m,p-Xylene	ND	U	2.01	11.4	ug/Kg	1
n-Propylbenzene	ND	U	1.11	5.68	ug/Kg	1
o-Xylene	ND	U	1.15	5.68	ug/Kg	1
sec-Butylbenzene	ND	U	1.18	5.68	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.967	5.68	ug/Kg	1
tert-Butylbenzene	ND	U	1.03	5.68	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.978	5.68	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	6.14	28.4	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	125			55.0-173	%	1
4-Bromofluorobenzene	102			23.0-141	%	1
Toluene d8	109			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 15:45**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **5.4 g**
Prep Extract Vol: **5 mL**

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Results of **33-3-6-8**

Client Sample ID: **33-3-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608003-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:35
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	16.7	16.7	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	5.97	5.97	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	8.00	8.00	mg/kg	1
Surrogates						
n-Tricosane	123			40.0-140	%	1
o-Terphenyl	98.0			40.0-140	%	1
2-Bromonaphthalene	100			40.0-140	%	1
2-Fluorobiphenyl	102			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1125**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/04/2011 23:53**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **12.32 g**
Prep Extract Vol: **10 mL**

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Results of **33-3-6-8**

Client Sample ID: **33-3-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608003-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:35
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	33.0	374	ug/Kg	1
1,2-Dichlorobenzene	ND	U	18.6	374	ug/Kg	1
1,3-Dichlorobenzene	ND	U	25.2	374	ug/Kg	1
1,4-Dichlorobenzene	ND	U	26.4	374	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	25.0	374	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	25.3	374	ug/Kg	1
2,4-Dichlorophenol	ND	U	21.6	374	ug/Kg	1
2,4-Dinitrophenol	ND	U	34.7	747	ug/Kg	1
2,4-Dinitrotoluene	ND	U	18.9	374	ug/Kg	1
2,6-Dinitrotoluene	ND	U	26.8	374	ug/Kg	1
2-Chloronaphthalene	ND	U	22.0	374	ug/Kg	1
2-Chlorophenol	ND	U	19.8	374	ug/Kg	1
2-Methylnaphthalene	ND	U	30.2	374	ug/Kg	1
2-Methylphenol	ND	U	20.7	374	ug/Kg	1
2-Nitroaniline	ND	U	24.6	374	ug/Kg	1
2-Nitrophenol	ND	U	17.9	374	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	24.3	374	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	17.9	374	ug/Kg	1
3-Nitroaniline	ND	U	16.8	374	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	17.6	374	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	18.6	374	ug/Kg	1
4-Chloroaniline	ND	U	29.9	374	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	39.9	374	ug/Kg	1
Acenaphthene	ND	U	17.0	374	ug/Kg	1
Acenaphthylene	ND	U	15.8	374	ug/Kg	1
Anthracene	ND	U	16.6	374	ug/Kg	1
Benzo(a)anthracene	ND	U	20.6	374	ug/Kg	1
Benzo(a)pyrene	ND	U	21.1	374	ug/Kg	1
Benzo(b)fluoranthene	ND	U	21.5	374	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	59.5	374	ug/Kg	1
Benzo(k)fluoranthene	ND	U	44.8	374	ug/Kg	1
Benzoic acid	ND	U	8.29	374	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	16.8	374	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	34.9	374	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	32.6	374	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	17.9	374	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	24.6	374	ug/Kg	1
Butyl benzyl phthalate	ND	U	32.5	374	ug/Kg	1
Chrysene	ND	U	43.5	374	ug/Kg	1
Di-n-butyl phthalate	ND	U	17.7	374	ug/Kg	1
Di-n-octyl phthalate	ND	U	20.7	374	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	16.8	374	ug/Kg	1
Dibenzofuran	ND	U	29.3	374	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-3-6-8**

Client Sample ID: **33-3-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608003-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:35
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	20.2	374	ug/Kg	1
Dimethyl phthalate	ND	U	28.7	374	ug/Kg	1
2,4-Dimethylphenol	ND	U	27.4	374	ug/Kg	1
Diphenylamine	ND	U	16.8	374	ug/Kg	1
Fluoranthene	ND	U	35.1	374	ug/Kg	1
Fluorene	ND	U	19.8	374	ug/Kg	1
Hexachlorobenzene	ND	U	35.4	374	ug/Kg	1
Hexachlorobutadiene	ND	U	22.3	374	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	113	374	ug/Kg	1
Hexachloroethane	ND	U	21.5	374	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	29.2	374	ug/Kg	1
Isophorone	ND	U	17.0	374	ug/Kg	1
Naphthalene	ND	U	32.3	374	ug/Kg	1
4-Nitroaniline	ND	U	21.5	374	ug/Kg	1
Nitrobenzene	ND	U	21.5	374	ug/Kg	1
4-Nitrophenol	ND	U	36.8	374	ug/Kg	1
Pentachlorophenol	ND	U	29.9	374	ug/Kg	1
Phenanthrene	ND	U	24.6	374	ug/Kg	1
Phenol	ND	U	34.9	374	ug/Kg	1
Pyrene	ND	U	15.8	374	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	107	374	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	59.0			41.0-129	%	1
2-Fluorobiphenyl	86.0			48.0-123	%	1
2-Fluorophenol	89.0			42.0-123	%	1
Nitrobenzene-d5	91.0			46.0-117	%	1
Phenol-d6	87.0			48.0-125	%	1
Terphenyl-d14	81.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 15:03**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **32.84 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-4-6-8**

Client Sample ID: **33-4-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608004-E
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 76

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	4.65	4.65	mg/kg	1
C9-C12 Aliphatic	ND	U	4.65	4.65	mg/kg	1
C9-C10 Aromatic	ND	U	4.65	4.65	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	96.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	97.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1125**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/07/2011 03:04**

Prep Batch: **VXX1300**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/06/2011 10:37**
Prep Initial Wt./Vol.: **7.06 g**
Prep Extract Vol: **5 mL**

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Results of **33-4-6-8**

Client Sample ID: **33-4-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608004-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 76

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	0.927	4.37	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.680	4.37	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	0.988	4.37	ug/Kg	1
1,1,2-Trichloroethane	ND	U	0.910	4.37	ug/Kg	1
1,1-Dichloroethane	ND	U	0.755	4.37	ug/Kg	1
1,1-Dichloroethene	ND	U	0.790	4.37	ug/Kg	1
1,1-Dichloropropene	ND	U	0.806	4.37	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.22	4.37	ug/Kg	1
1,2,3-Trichloropropane	ND	U	0.971	4.37	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.04	4.37	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	0.936	4.37	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	5.08	26.2	ug/Kg	1
1,2-Dibromoethane	ND	U	0.663	4.37	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.13	4.37	ug/Kg	1
1,2-Dichloroethane	ND	U	0.775	4.37	ug/Kg	1
1,2-Dichloropropane	ND	U	0.704	4.37	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	0.861	4.37	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.01	4.37	ug/Kg	1
1,3-Dichloropropane	ND	U	0.705	4.37	ug/Kg	1
1,4-Dichlorobenzene	ND	U	0.962	4.37	ug/Kg	1
2,2-Dichloropropane	ND	U	0.729	4.37	ug/Kg	1
2-Butanone	ND	U	1.36	21.9	ug/Kg	1
2-Chlorotoluene	ND	U	0.979	4.37	ug/Kg	1
2-Hexanone	ND	U	1.71	10.9	ug/Kg	1
4-Chlorotoluene	ND	U	0.971	4.37	ug/Kg	1
4-Isopropyltoluene	ND	U	0.910	4.37	ug/Kg	1
4-Methyl-2-pentanone	ND	U	2.81	10.9	ug/Kg	1
Acetone	ND	U	1.08	43.7	ug/Kg	1
Benzene	ND	U	0.781	4.37	ug/Kg	1
Bromobenzene	ND	U	0.862	4.37	ug/Kg	1
Bromochloromethane	ND	U	0.763	4.37	ug/Kg	1
Bromodichloromethane	ND	U	0.711	4.37	ug/Kg	1
Bromoform	ND	U	0.585	4.37	ug/Kg	1
Bromomethane	ND	U	1.54	4.37	ug/Kg	1
n-Butylbenzene	ND	U	0.945	4.37	ug/Kg	1
Carbon disulfide	ND	U	0.756	4.37	ug/Kg	1
Carbon tetrachloride	ND	U	0.761	4.37	ug/Kg	1
Chlorobenzene	ND	U	0.677	4.37	ug/Kg	1
Chloroethane	ND	U	0.402	4.37	ug/Kg	1
Chloroform	ND	U	0.710	4.37	ug/Kg	1
Chloromethane	ND	U	0.634	4.37	ug/Kg	1
Dibromochloromethane	ND	U	0.741	4.37	ug/Kg	1
Dibromomethane	ND	U	0.710	4.37	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-4-6-8**

Client Sample ID: **33-4-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608004-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 76

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.753	4.37	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	0.784	4.37	ug/Kg	1
Diisopropyl Ether	ND	U	0.785	4.37	ug/Kg	1
Ethyl Benzene	ND	U	0.723	4.37	ug/Kg	1
Hexachlorobutadiene	ND	U	1.20	4.37	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	0.842	4.37	ug/Kg	1
Methyl iodide	ND	U	0.740	4.37	ug/Kg	1
Methylene chloride	ND	U	0.610	17.5	ug/Kg	1
Naphthalene	ND	U	1.06	4.37	ug/Kg	1
Styrene	ND	U	0.862	4.37	ug/Kg	1
Tetrachloroethene	ND	U	0.658	4.37	ug/Kg	1
Toluene	ND	U	0.708	4.37	ug/Kg	1
Trichloroethene	ND	U	0.732	4.37	ug/Kg	1
Trichlorofluoromethane	ND	U	0.659	4.37	ug/Kg	1
Vinyl chloride	ND	U	0.644	4.37	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.678	4.37	ug/Kg	1
m,p-Xylene	ND	U	1.55	8.75	ug/Kg	1
n-Propylbenzene	ND	U	0.853	4.37	ug/Kg	1
o-Xylene	ND	U	0.883	4.37	ug/Kg	1
sec-Butylbenzene	ND	U	0.910	4.37	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.745	4.37	ug/Kg	1
tert-Butylbenzene	ND	U	0.792	4.37	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.753	4.37	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	4.73	21.9	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	129			55.0-173	%	1
4-Bromofluorobenzene	98.0			23.0-141	%	1
Toluene d8	110			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 16:14**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **7.51 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-4-6-8**

Client Sample ID: **33-4-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608004-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 76

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	18.5	18.5	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	6.60	6.60	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	8.85	8.85	mg/kg	1
Surrogates						
n-Tricosane	114			40.0-140	%	1
o-Terphenyl	78.0			40.0-140	%	1
2-Bromonaphthalene	90.0			40.0-140	%	1
2-Fluorobiphenyl	90.0			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1125**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/05/2011 00:49**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **11.94 g**
Prep Extract Vol: **10 mL**

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Results of **33-4-6-8**

Client Sample ID: **33-4-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608004-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 76

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	35.4	401	ug/Kg	1
1,2-Dichlorobenzene	ND	U	20.0	401	ug/Kg	1
1,3-Dichlorobenzene	ND	U	27.0	401	ug/Kg	1
1,4-Dichlorobenzene	ND	U	28.3	401	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	26.8	401	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	27.2	401	ug/Kg	1
2,4-Dichlorophenol	ND	U	23.2	401	ug/Kg	1
2,4-Dinitrophenol	ND	U	37.2	801	ug/Kg	1
2,4-Dinitrotoluene	ND	U	20.2	401	ug/Kg	1
2,6-Dinitrotoluene	ND	U	28.7	401	ug/Kg	1
2-Chloronaphthalene	ND	U	23.6	401	ug/Kg	1
2-Chlorophenol	ND	U	21.3	401	ug/Kg	1
2-Methylnaphthalene	ND	U	32.4	401	ug/Kg	1
2-Methylphenol	ND	U	22.2	401	ug/Kg	1
2-Nitroaniline	ND	U	26.4	401	ug/Kg	1
2-Nitrophenol	ND	U	19.2	401	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	26.0	401	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	19.2	401	ug/Kg	1
3-Nitroaniline	ND	U	18.1	401	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	18.8	401	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	20.0	401	ug/Kg	1
4-Chloroaniline	ND	U	32.0	401	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	42.8	401	ug/Kg	1
Acenaphthene	ND	U	18.2	401	ug/Kg	1
Acenaphthylene	ND	U	16.9	401	ug/Kg	1
Anthracene	ND	U	17.8	401	ug/Kg	1
Benzo(a)anthracene	ND	U	22.0	401	ug/Kg	1
Benzo(a)pyrene	ND	U	22.7	401	ug/Kg	1
Benzo(b)fluoranthene	ND	U	23.1	401	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	63.8	401	ug/Kg	1
Benzo(k)fluoranthene	ND	U	48.1	401	ug/Kg	1
Benzoic acid	ND	U	8.89	401	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	18.1	401	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	37.4	401	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	35.0	401	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	19.2	401	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	26.4	401	ug/Kg	1
Butyl benzyl phthalate	ND	U	34.9	401	ug/Kg	1
Chrysene	ND	U	46.6	401	ug/Kg	1
Di-n-butyl phthalate	ND	U	19.0	401	ug/Kg	1
Di-n-octyl phthalate	ND	U	22.2	401	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	18.1	401	ug/Kg	1
Dibenzofuran	ND	U	31.4	401	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-4-6-8**

Client Sample ID: **33-4-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608004-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 76

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	21.7	401	ug/Kg	1
Dimethyl phthalate	ND	U	30.8	401	ug/Kg	1
2,4-Dimethylphenol	ND	U	29.3	401	ug/Kg	1
Diphenylamine	ND	U	18.1	401	ug/Kg	1
Fluoranthene	ND	U	37.7	401	ug/Kg	1
Fluorene	ND	U	21.3	401	ug/Kg	1
Hexachlorobenzene	ND	U	37.9	401	ug/Kg	1
Hexachlorobutadiene	ND	U	24.0	401	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	121	401	ug/Kg	1
Hexachloroethane	ND	U	23.1	401	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	31.3	401	ug/Kg	1
Isophorone	ND	U	18.2	401	ug/Kg	1
Naphthalene	ND	U	34.6	401	ug/Kg	1
4-Nitroaniline	ND	U	23.1	401	ug/Kg	1
Nitrobenzene	ND	U	23.1	401	ug/Kg	1
4-Nitrophenol	ND	U	39.5	401	ug/Kg	1
Pentachlorophenol	ND	U	32.0	401	ug/Kg	1
Phenanthrene	ND	U	26.4	401	ug/Kg	1
Phenol	ND	U	37.4	401	ug/Kg	1
Pyrene	ND	U	16.9	401	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	115	401	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	52.0			41.0-129	%	1
2-Fluorobiphenyl	80.0			48.0-123	%	1
2-Fluorophenol	90.0			42.0-123	%	1
Nitrobenzene-d5	87.0			46.0-117	%	1
Phenol-d6	88.0			48.0-125	%	1
Terphenyl-d14	77.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 15:27**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **32.8 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-5-6-8**

Client Sample ID: **33-5-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608005-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	5.02	5.02	mg/kg	1
C9-C12 Aliphatic	ND	U	5.02	5.02	mg/kg	1
C9-C10 Aromatic	ND	U	5.02	5.02	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	97.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	95.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1131**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/11/2011 23:32**

Prep Batch: **VXX1319**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/11/2011 10:07**
Prep Initial Wt./Vol.: **6.69 g**
Prep Extract Vol: **5 mL**

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Results of **33-5-6-8**

Client Sample ID: **33-5-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608005-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	1.17	5.50	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.856	5.50	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.24	5.50	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.14	5.50	ug/Kg	1
1,1-Dichloroethane	ND	U	0.950	5.50	ug/Kg	1
1,1-Dichloroethene	ND	U	0.994	5.50	ug/Kg	1
1,1-Dichloropropene	ND	U	1.01	5.50	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.53	5.50	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.22	5.50	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.31	5.50	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.18	5.50	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	6.40	33.0	ug/Kg	1
1,2-Dibromoethane	ND	U	0.834	5.50	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.42	5.50	ug/Kg	1
1,2-Dichloroethane	ND	U	0.975	5.50	ug/Kg	1
1,2-Dichloropropane	ND	U	0.886	5.50	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	1.08	5.50	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.28	5.50	ug/Kg	1
1,3-Dichloropropane	ND	U	0.887	5.50	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.21	5.50	ug/Kg	1
2,2-Dichloropropane	ND	U	0.918	5.50	ug/Kg	1
2-Butanone	ND	U	1.72	27.5	ug/Kg	1
2-Chlorotoluene	ND	U	1.23	5.50	ug/Kg	1
2-Hexanone	ND	U	2.15	13.8	ug/Kg	1
4-Chlorotoluene	ND	U	1.22	5.50	ug/Kg	1
4-Isopropyltoluene	ND	U	1.14	5.50	ug/Kg	1
4-Methyl-2-pentanone	ND	U	3.53	13.8	ug/Kg	1
Acetone	ND	U	1.36	55.0	ug/Kg	1
Benzene	ND	U	0.983	5.50	ug/Kg	1
Bromobenzene	ND	U	1.09	5.50	ug/Kg	1
Bromochloromethane	ND	U	0.961	5.50	ug/Kg	1
Bromodichloromethane	ND	U	0.895	5.50	ug/Kg	1
Bromoform	ND	U	0.736	5.50	ug/Kg	1
Bromomethane	ND	U	1.94	5.50	ug/Kg	1
n-Butylbenzene	ND	U	1.19	5.50	ug/Kg	1
Carbon disulfide	ND	U	0.951	5.50	ug/Kg	1
Carbon tetrachloride	ND	U	0.958	5.50	ug/Kg	1
Chlorobenzene	ND	U	0.852	5.50	ug/Kg	1
Chloroethane	ND	U	0.506	5.50	ug/Kg	1
Chloroform	ND	U	0.894	5.50	ug/Kg	1
Chloromethane	ND	U	0.798	5.50	ug/Kg	1
Dibromochloromethane	ND	U	0.932	5.50	ug/Kg	1
Dibromomethane	ND	U	0.894	5.50	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-5-6-8**

Client Sample ID: **33-5-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608005-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.948	5.50	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	0.986	5.50	ug/Kg	1
Diisopropyl Ether	ND	U	0.988	5.50	ug/Kg	1
Ethyl Benzene	ND	U	0.910	5.50	ug/Kg	1
Hexachlorobutadiene	ND	U	1.51	5.50	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	1.06	5.50	ug/Kg	1
Methyl iodide	ND	U	0.931	5.50	ug/Kg	1
Methylene chloride	ND	U	0.768	22.0	ug/Kg	1
Naphthalene	ND	U	1.33	5.50	ug/Kg	1
Styrene	ND	U	1.09	5.50	ug/Kg	1
Tetrachloroethene	ND	U	0.828	5.50	ug/Kg	1
Toluene	ND	U	0.892	5.50	ug/Kg	1
Trichloroethene	ND	U	0.921	5.50	ug/Kg	1
Trichlorofluoromethane	ND	U	0.830	5.50	ug/Kg	1
Vinyl chloride	ND	U	0.810	5.50	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.853	5.50	ug/Kg	1
m,p-Xylene	ND	U	1.95	11.0	ug/Kg	1
n-Propylbenzene	ND	U	1.07	5.50	ug/Kg	1
o-Xylene	ND	U	1.11	5.50	ug/Kg	1
sec-Butylbenzene	ND	U	1.14	5.50	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.938	5.50	ug/Kg	1
tert-Butylbenzene	ND	U	0.997	5.50	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.948	5.50	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	5.95	27.5	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	129			55.0-173	%	1
4-Bromofluorobenzene	101			23.0-141	%	1
Toluene d8	109			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 16:44**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **6.1 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-5-6-8**

Client Sample ID: **33-5-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608005-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	18.8	18.8	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	6.71	6.71	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	8.99	8.99	mg/kg	1
Surrogates						
n-Tricosane	117			40.0-140	%	1
o-Terphenyl	78.0			40.0-140	%	1
2-Bromonaphthalene	87.0			40.0-140	%	1
2-Fluorobiphenyl	88.0			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1125**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/05/2011 01:45**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **12.01 g**
Prep Extract Vol: **10 mL**

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Results of **33-5-6-8**

Client Sample ID: **33-5-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608005-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	37.5	425	ug/Kg	1
1,2-Dichlorobenzene	ND	U	21.2	425	ug/Kg	1
1,3-Dichlorobenzene	ND	U	28.6	425	ug/Kg	1
1,4-Dichlorobenzene	ND	U	30.0	425	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	28.4	425	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	28.8	425	ug/Kg	1
2,4-Dichlorophenol	ND	U	24.6	425	ug/Kg	1
2,4-Dinitrophenol	ND	U	39.4	849	ug/Kg	1
2,4-Dinitrotoluene	ND	U	21.5	425	ug/Kg	1
2,6-Dinitrotoluene	ND	U	30.4	425	ug/Kg	1
2-Chloronaphthalene	ND	U	25.0	425	ug/Kg	1
2-Chlorophenol	ND	U	22.5	425	ug/Kg	1
2-Methylnaphthalene	ND	U	34.3	425	ug/Kg	1
2-Methylphenol	ND	U	23.5	425	ug/Kg	1
2-Nitroaniline	ND	U	28.0	425	ug/Kg	1
2-Nitrophenol	ND	U	20.4	425	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	27.6	425	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	20.4	425	ug/Kg	1
3-Nitroaniline	ND	U	19.1	425	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	20.0	425	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	21.2	425	ug/Kg	1
4-Chloroaniline	ND	U	33.9	425	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	45.3	425	ug/Kg	1
Acenaphthene	ND	U	19.3	425	ug/Kg	1
Acenaphthylene	ND	U	17.9	425	ug/Kg	1
Anthracene	ND	U	18.9	425	ug/Kg	1
Benzo(a)anthracene	ND	U	23.4	425	ug/Kg	1
Benzo(a)pyrene	ND	U	24.0	425	ug/Kg	1
Benzo(b)fluoranthene	ND	U	24.4	425	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	67.6	425	ug/Kg	1
Benzo(k)fluoranthene	ND	U	50.9	425	ug/Kg	1
Benzoic acid	ND	U	9.42	425	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	19.1	425	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	39.6	425	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	37.1	425	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	20.4	425	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	28.0	425	ug/Kg	1
Butyl benzyl phthalate	ND	U	36.9	425	ug/Kg	1
Chrysene	ND	U	49.4	425	ug/Kg	1
Di-n-butyl phthalate	ND	U	20.1	425	ug/Kg	1
Di-n-octyl phthalate	ND	U	23.5	425	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	19.1	425	ug/Kg	1
Dibenzofuran	ND	U	33.3	425	ug/Kg	1

Print Date: 04/13/2011

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Results of **33-5-6-8**

Client Sample ID: **33-5-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608005-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 11:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	22.9	425	ug/Kg	1
Dimethyl phthalate	ND	U	32.6	425	ug/Kg	1
2,4-Dimethylphenol	ND	U	31.1	425	ug/Kg	1
Diphenylamine	ND	U	19.1	425	ug/Kg	1
Fluoranthene	ND	U	39.9	425	ug/Kg	1
Fluorene	ND	U	22.5	425	ug/Kg	1
Hexachlorobenzene	ND	U	40.2	425	ug/Kg	1
Hexachlorobutadiene	ND	U	25.4	425	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	129	425	ug/Kg	1
Hexachloroethane	ND	U	24.4	425	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	33.1	425	ug/Kg	1
Isophorone	ND	U	19.3	425	ug/Kg	1
Naphthalene	ND	U	36.7	425	ug/Kg	1
4-Nitroaniline	ND	U	24.4	425	ug/Kg	1
Nitrobenzene	ND	U	24.4	425	ug/Kg	1
4-Nitrophenol	ND	U	41.8	425	ug/Kg	1
Pentachlorophenol	ND	U	33.9	425	ug/Kg	1
Phenanthrene	ND	U	28.0	425	ug/Kg	1
Phenol	ND	U	39.6	425	ug/Kg	1
Pyrene	ND	U	17.9	425	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	122	425	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	54.0			41.0-129	%	1
2-Fluorobiphenyl	83.0			48.0-123	%	1
2-Fluorophenol	89.0			42.0-123	%	1
Nitrobenzene-d5	88.0			46.0-117	%	1
Phenol-d6	87.0			48.0-125	%	1
Terphenyl-d14	80.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 15:51**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **31.65 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-6-6-8**

Client Sample ID: **33-6-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608006-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	4.97	4.97	mg/kg	1
C9-C12 Aliphatic	ND	U	4.97	4.97	mg/kg	1
C9-C10 Aromatic	ND	U	4.97	4.97	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	95.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	97.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1126**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/07/2011 23:57**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **6.11 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-6-6-8**

Client Sample ID: **33-6-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608006-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	0.880	4.15	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.646	4.15	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	0.939	4.15	ug/Kg	1
1,1,2-Trichloroethane	ND	U	0.864	4.15	ug/Kg	1
1,1-Dichloroethane	ND	U	0.717	4.15	ug/Kg	1
1,1-Dichloroethene	ND	U	0.750	4.15	ug/Kg	1
1,1-Dichloropropene	ND	U	0.766	4.15	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.15	4.15	ug/Kg	1
1,2,3-Trichloropropane	ND	U	0.922	4.15	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	0.988	4.15	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	0.889	4.15	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	4.83	24.9	ug/Kg	1
1,2-Dibromoethane	ND	U	0.630	4.15	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.07	4.15	ug/Kg	1
1,2-Dichloroethane	ND	U	0.736	4.15	ug/Kg	1
1,2-Dichloropropane	ND	U	0.669	4.15	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	0.817	4.15	ug/Kg	1
1,3-Dichlorobenzene	ND	U	0.963	4.15	ug/Kg	1
1,3-Dichloropropane	ND	U	0.669	4.15	ug/Kg	1
1,4-Dichlorobenzene	ND	U	0.914	4.15	ug/Kg	1
2,2-Dichloropropane	ND	U	0.693	4.15	ug/Kg	1
2-Butanone	ND	U	1.30	20.8	ug/Kg	1
2-Chlorotoluene	ND	U	0.930	4.15	ug/Kg	1
2-Hexanone	ND	U	1.62	10.4	ug/Kg	1
4-Chlorotoluene	ND	U	0.922	4.15	ug/Kg	1
4-Isopropyltoluene	ND	U	0.864	4.15	ug/Kg	1
4-Methyl-2-pentanone	ND	U	2.67	10.4	ug/Kg	1
Acetone	ND	U	1.03	41.5	ug/Kg	1
Benzene	ND	U	0.742	4.15	ug/Kg	1
Bromobenzene	ND	U	0.819	4.15	ug/Kg	1
Bromochloromethane	ND	U	0.725	4.15	ug/Kg	1
Bromodichloromethane	ND	U	0.675	4.15	ug/Kg	1
Bromoform	ND	U	0.556	4.15	ug/Kg	1
Bromomethane	ND	U	1.46	4.15	ug/Kg	1
n-Butylbenzene	ND	U	0.897	4.15	ug/Kg	1
Carbon disulfide	ND	U	0.718	4.15	ug/Kg	1
Carbon tetrachloride	ND	U	0.723	4.15	ug/Kg	1
Chlorobenzene	ND	U	0.643	4.15	ug/Kg	1
Chloroethane	ND	U	0.382	4.15	ug/Kg	1
Chloroform	ND	U	0.674	4.15	ug/Kg	1
Chloromethane	ND	U	0.602	4.15	ug/Kg	1
Dibromochloromethane	ND	U	0.703	4.15	ug/Kg	1
Dibromomethane	ND	U	0.674	4.15	ug/Kg	1

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Results of **33-6-6-8**

Client Sample ID: **33-6-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608006-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.715	4.15	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	0.744	4.15	ug/Kg	1
Diisopropyl Ether	ND	U	0.746	4.15	ug/Kg	1
Ethyl Benzene	ND	U	0.687	4.15	ug/Kg	1
Hexachlorobutadiene	ND	U	1.14	4.15	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	0.800	4.15	ug/Kg	1
Methyl iodide	ND	U	0.703	4.15	ug/Kg	1
Methylene chloride	ND	U	0.580	16.6	ug/Kg	1
Naphthalene	ND	U	1.00	4.15	ug/Kg	1
Styrene	ND	U	0.819	4.15	ug/Kg	1
Tetrachloroethene	ND	U	0.625	4.15	ug/Kg	1
Toluene	ND	U	0.673	4.15	ug/Kg	1
Trichloroethene	ND	U	0.695	4.15	ug/Kg	1
Trichlorofluoromethane	ND	U	0.626	4.15	ug/Kg	1
Vinyl chloride	ND	U	0.611	4.15	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.644	4.15	ug/Kg	1
m,p-Xylene	ND	U	1.47	8.31	ug/Kg	1
n-Propylbenzene	ND	U	0.810	4.15	ug/Kg	1
o-Xylene	ND	U	0.839	4.15	ug/Kg	1
sec-Butylbenzene	ND	U	0.864	4.15	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.708	4.15	ug/Kg	1
tert-Butylbenzene	ND	U	0.752	4.15	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.715	4.15	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	4.49	20.8	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	132			55.0-173	%	1
4-Bromofluorobenzene	101			23.0-141	%	1
Toluene d8	109			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 17:14**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **7.31 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-6-6-8**

Client Sample ID: **33-6-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608006-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	17.1	17.1	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	6.12	6.12	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	8.20	8.20	mg/kg	1
Surrogates						
n-Tricosane	111			40.0-140	%	1
o-Terphenyl	90.0			40.0-140	%	1
2-Bromonaphthalene	98.0			40.0-140	%	1
2-Fluorobiphenyl	99.0			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1125**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/05/2011 02:42**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **11.9 g**
Prep Extract Vol: **10 mL**

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Results of **33-6-6-8**

Client Sample ID: **33-6-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608006-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	33.4	378	ug/Kg	1
1,2-Dichlorobenzene	ND	U	18.9	378	ug/Kg	1
1,3-Dichlorobenzene	ND	U	25.5	378	ug/Kg	1
1,4-Dichlorobenzene	ND	U	26.7	378	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	25.3	378	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	25.6	378	ug/Kg	1
2,4-Dichlorophenol	ND	U	21.9	378	ug/Kg	1
2,4-Dinitrophenol	ND	U	35.0	755	ug/Kg	1
2,4-Dinitrotoluene	ND	U	19.1	378	ug/Kg	1
2,6-Dinitrotoluene	ND	U	27.1	378	ug/Kg	1
2-Chloronaphthalene	ND	U	22.2	378	ug/Kg	1
2-Chlorophenol	ND	U	20.1	378	ug/Kg	1
2-Methylnaphthalene	ND	U	30.6	378	ug/Kg	1
2-Methylphenol	ND	U	20.9	378	ug/Kg	1
2-Nitroaniline	ND	U	24.9	378	ug/Kg	1
2-Nitrophenol	ND	U	18.1	378	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	24.5	378	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	18.1	378	ug/Kg	1
3-Nitroaniline	ND	U	17.0	378	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	17.8	378	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	18.9	378	ug/Kg	1
4-Chloroaniline	ND	U	30.2	378	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	40.4	378	ug/Kg	1
Acenaphthene	ND	U	17.2	378	ug/Kg	1
Acenaphthylene	ND	U	16.0	378	ug/Kg	1
Anthracene	ND	U	16.8	378	ug/Kg	1
Benzo(a)anthracene	ND	U	20.8	378	ug/Kg	1
Benzo(a)pyrene	ND	U	21.4	378	ug/Kg	1
Benzo(b)fluoranthene	ND	U	21.8	378	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	60.2	378	ug/Kg	1
Benzo(k)fluoranthene	ND	U	45.3	378	ug/Kg	1
Benzoic acid	ND	U	8.39	378	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	17.0	378	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	35.3	378	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	33.0	378	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	18.1	378	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	24.9	378	ug/Kg	1
Butyl benzyl phthalate	ND	U	32.9	378	ug/Kg	1
Chrysene	ND	U	44.0	378	ug/Kg	1
Di-n-butyl phthalate	ND	U	17.9	378	ug/Kg	1
Di-n-octyl phthalate	ND	U	20.9	378	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	17.0	378	ug/Kg	1
Dibenzofuran	ND	U	29.6	378	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-6-6-8**

Client Sample ID: **33-6-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608006-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:30
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	20.4	378	ug/Kg	1
Dimethyl phthalate	ND	U	29.0	378	ug/Kg	1
2,4-Dimethylphenol	ND	U	27.7	378	ug/Kg	1
Diphenylamine	ND	U	17.0	378	ug/Kg	1
Fluoranthene	ND	U	35.5	378	ug/Kg	1
Fluorene	ND	U	20.1	378	ug/Kg	1
Hexachlorobenzene	ND	U	35.8	378	ug/Kg	1
Hexachlorobutadiene	ND	U	22.6	378	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	114	378	ug/Kg	1
Hexachloroethane	ND	U	21.8	378	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	29.5	378	ug/Kg	1
Isophorone	ND	U	17.2	378	ug/Kg	1
Naphthalene	ND	U	32.6	378	ug/Kg	1
4-Nitroaniline	ND	U	21.8	378	ug/Kg	1
Nitrobenzene	ND	U	21.8	378	ug/Kg	1
4-Nitrophenol	ND	U	37.2	378	ug/Kg	1
Pentachlorophenol	ND	U	30.2	378	ug/Kg	1
Phenanthrene	ND	U	24.9	378	ug/Kg	1
Phenol	ND	U	35.3	378	ug/Kg	1
Pyrene	ND	U	16.0	378	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	108	378	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	57.0			41.0-129	%	1
2-Fluorobiphenyl	83.0			48.0-123	%	1
2-Fluorophenol	89.0			42.0-123	%	1
Nitrobenzene-d5	88.0			46.0-117	%	1
Phenol-d6	87.0			48.0-125	%	1
Terphenyl-d14	77.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 16:15**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **32.15 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-7-6-8**

Client Sample ID: **33-7-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608007-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:31
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 79

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	4.69	4.69	mg/kg	1
C9-C12 Aliphatic	ND	U	4.69	4.69	mg/kg	1
C9-C10 Aromatic	ND	U	4.69	4.69	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	96.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	98.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1126**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/08/2011 00:24**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **6.79 g**
Prep Extract Vol: **5 mL**

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Results of **33-7-6-8**

Client Sample ID: **33-7-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608007-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:31
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 79

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	1.07	5.07	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.788	5.07	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.15	5.07	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.05	5.07	ug/Kg	1
1,1-Dichloroethane	ND	U	0.874	5.07	ug/Kg	1
1,1-Dichloroethene	ND	U	0.915	5.07	ug/Kg	1
1,1-Dichloropropene	ND	U	0.934	5.07	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.41	5.07	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.12	5.07	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.21	5.07	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.08	5.07	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	5.89	30.4	ug/Kg	1
1,2-Dibromoethane	ND	U	0.768	5.07	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.31	5.07	ug/Kg	1
1,2-Dichloroethane	ND	U	0.898	5.07	ug/Kg	1
1,2-Dichloropropane	ND	U	0.816	5.07	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	0.997	5.07	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.18	5.07	ug/Kg	1
1,3-Dichloropropane	ND	U	0.817	5.07	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.11	5.07	ug/Kg	1
2,2-Dichloropropane	ND	U	0.845	5.07	ug/Kg	1
2-Butanone	ND	U	1.58	25.3	ug/Kg	1
2-Chlorotoluene	ND	U	1.13	5.07	ug/Kg	1
2-Hexanone	ND	U	1.98	12.7	ug/Kg	1
4-Chlorotoluene	ND	U	1.12	5.07	ug/Kg	1
4-Isopropyltoluene	ND	U	1.05	5.07	ug/Kg	1
4-Methyl-2-pentanone	ND	U	3.25	12.7	ug/Kg	1
Acetone	ND	U	1.26	50.7	ug/Kg	1
Benzene	ND	U	0.905	5.07	ug/Kg	1
Bromobenzene	ND	U	0.999	5.07	ug/Kg	1
Bromochloromethane	ND	U	0.885	5.07	ug/Kg	1
Bromodichloromethane	ND	U	0.824	5.07	ug/Kg	1
Bromoform	ND	U	0.678	5.07	ug/Kg	1
Bromomethane	ND	U	1.78	5.07	ug/Kg	1
n-Butylbenzene	ND	U	1.09	5.07	ug/Kg	1
Carbon disulfide	ND	U	0.876	5.07	ug/Kg	1
Carbon tetrachloride	ND	U	0.882	5.07	ug/Kg	1
Chlorobenzene	ND	U	0.784	5.07	ug/Kg	1
Chloroethane	ND	U	0.466	5.07	ug/Kg	1
Chloroform	ND	U	0.823	5.07	ug/Kg	1
Chloromethane	ND	U	0.735	5.07	ug/Kg	1
Dibromochloromethane	ND	U	0.858	5.07	ug/Kg	1
Dibromomethane	ND	U	0.823	5.07	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-7-6-8**

Client Sample ID: **33-7-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608007-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:31
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 79

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.872	5.07	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	0.908	5.07	ug/Kg	1
Diisopropyl Ether	ND	U	0.910	5.07	ug/Kg	1
Ethyl Benzene	ND	U	0.838	5.07	ug/Kg	1
Hexachlorobutadiene	ND	U	1.39	5.07	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	0.976	5.07	ug/Kg	1
Methyl iodide	ND	U	0.857	5.07	ug/Kg	1
Methylene chloride	ND	U	0.707	20.3	ug/Kg	1
Naphthalene	ND	U	1.23	5.07	ug/Kg	1
Styrene	ND	U	0.999	5.07	ug/Kg	1
Tetrachloroethene	ND	U	0.762	5.07	ug/Kg	1
Toluene	ND	U	0.821	5.07	ug/Kg	1
Trichloroethene	ND	U	0.848	5.07	ug/Kg	1
Trichlorofluoromethane	ND	U	0.764	5.07	ug/Kg	1
Vinyl chloride	ND	U	0.746	5.07	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.785	5.07	ug/Kg	1
m,p-Xylene	ND	U	1.79	10.1	ug/Kg	1
n-Propylbenzene	ND	U	0.988	5.07	ug/Kg	1
o-Xylene	ND	U	1.02	5.07	ug/Kg	1
sec-Butylbenzene	ND	U	1.05	5.07	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.863	5.07	ug/Kg	1
tert-Butylbenzene	ND	U	0.918	5.07	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.872	5.07	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	5.48	25.3	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	128			55.0-173	%	1
4-Bromofluorobenzene	103			23.0-141	%	1
Toluene d8	109			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 17:43**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **6.28 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-7-6-8**

Client Sample ID: **33-7-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608007-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:31
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 79

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	17.8	17.8	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	6.35	6.35	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	8.51	8.51	mg/kg	1
Surrogates						
n-Tricosane	76.0			40.0-140	%	1
o-Terphenyl	68.0			40.0-140	%	1
2-Bromonaphthalene	86.0			40.0-140	%	1
2-Fluorobiphenyl	87.0			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1127**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/05/2011 12:02**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **12.02 g**
Prep Extract Vol: **10 mL**

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Results of **33-7-6-8**

Client Sample ID: **33-7-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608007-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:31
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 79

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	34.6	392	ug/Kg	1
1,2-Dichlorobenzene	ND	U	19.5	392	ug/Kg	1
1,3-Dichlorobenzene	ND	U	26.4	392	ug/Kg	1
1,4-Dichlorobenzene	ND	U	27.7	392	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	26.2	392	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	26.6	392	ug/Kg	1
2,4-Dichlorophenol	ND	U	22.7	392	ug/Kg	1
2,4-Dinitrophenol	ND	U	36.3	783	ug/Kg	1
2,4-Dinitrotoluene	ND	U	19.8	392	ug/Kg	1
2,6-Dinitrotoluene	ND	U	28.1	392	ug/Kg	1
2-Chloronaphthalene	ND	U	23.1	392	ug/Kg	1
2-Chlorophenol	ND	U	20.8	392	ug/Kg	1
2-Methylnaphthalene	ND	U	31.7	392	ug/Kg	1
2-Methylphenol	ND	U	21.7	392	ug/Kg	1
2-Nitroaniline	ND	U	25.8	392	ug/Kg	1
2-Nitrophenol	ND	U	18.8	392	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	25.4	392	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	18.8	392	ug/Kg	1
3-Nitroaniline	ND	U	17.7	392	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	18.4	392	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	19.5	392	ug/Kg	1
4-Chloroaniline	ND	U	31.3	392	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	41.9	392	ug/Kg	1
Acenaphthene	ND	U	17.8	392	ug/Kg	1
Acenaphthylene	ND	U	16.5	392	ug/Kg	1
Anthracene	ND	U	17.4	392	ug/Kg	1
Benzo(a)anthracene	ND	U	21.6	392	ug/Kg	1
Benzo(a)pyrene	ND	U	22.2	392	ug/Kg	1
Benzo(b)fluoranthene	ND	U	22.6	392	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	62.4	392	ug/Kg	1
Benzo(k)fluoranthene	ND	U	47.0	392	ug/Kg	1
Benzoic acid	ND	U	8.70	392	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	17.7	392	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	36.6	392	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	34.2	392	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	18.8	392	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	25.8	392	ug/Kg	1
Butyl benzyl phthalate	ND	U	34.1	392	ug/Kg	1
Chrysene	ND	U	45.6	392	ug/Kg	1
Di-n-butyl phthalate	ND	U	18.5	392	ug/Kg	1
Di-n-octyl phthalate	ND	U	21.7	392	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	17.7	392	ug/Kg	1
Dibenzofuran	ND	U	30.7	392	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-7-6-8**

Client Sample ID: **33-7-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608007-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:31
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 79

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	21.2	392	ug/Kg	1
Dimethyl phthalate	ND	U	30.1	392	ug/Kg	1
2,4-Dimethylphenol	ND	U	28.7	392	ug/Kg	1
Diphenylamine	ND	U	17.7	392	ug/Kg	1
Fluoranthene	ND	U	36.8	392	ug/Kg	1
Fluorene	ND	U	20.8	392	ug/Kg	1
Hexachlorobenzene	ND	U	37.1	392	ug/Kg	1
Hexachlorobutadiene	ND	U	23.4	392	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	119	392	ug/Kg	1
Hexachloroethane	ND	U	22.6	392	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	30.6	392	ug/Kg	1
Isophorone	ND	U	17.8	392	ug/Kg	1
Naphthalene	ND	U	33.8	392	ug/Kg	1
4-Nitroaniline	ND	U	22.6	392	ug/Kg	1
Nitrobenzene	ND	U	22.6	392	ug/Kg	1
4-Nitrophenol	ND	U	38.6	392	ug/Kg	1
Pentachlorophenol	ND	U	31.3	392	ug/Kg	1
Phenanthrene	ND	U	25.8	392	ug/Kg	1
Phenol	ND	U	36.6	392	ug/Kg	1
Pyrene	ND	U	16.5	392	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	112	392	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	57.0			41.0-129	%	1
2-Fluorobiphenyl	84.0			48.0-123	%	1
2-Fluorophenol	86.0			42.0-123	%	1
Nitrobenzene-d5	90.0			46.0-117	%	1
Phenol-d6	88.0			48.0-125	%	1
Terphenyl-d14	81.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 16:38**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **32.5 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-8-6-8**

Client Sample ID: **33-8-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608008-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:38
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 89

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	5.26	5.26	mg/kg	1
C9-C12 Aliphatic	ND	U	5.26	5.26	mg/kg	1
C9-C10 Aromatic	ND	U	5.26	5.26	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	95.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	95.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1126**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/08/2011 00:51**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **5.35 g**
Prep Extract Vol: **5 mL**

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Results of **33-8-6-8**

Client Sample ID: **33-8-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608008-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:38
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 89

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	1.09	5.14	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.800	5.14	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.16	5.14	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.07	5.14	ug/Kg	1
1,1-Dichloroethane	ND	U	0.887	5.14	ug/Kg	1
1,1-Dichloroethene	ND	U	0.928	5.14	ug/Kg	1
1,1-Dichloropropene	ND	U	0.948	5.14	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.43	5.14	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.14	5.14	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.22	5.14	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.10	5.14	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	5.97	30.8	ug/Kg	1
1,2-Dibromoethane	ND	U	0.779	5.14	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.33	5.14	ug/Kg	1
1,2-Dichloroethane	ND	U	0.911	5.14	ug/Kg	1
1,2-Dichloropropane	ND	U	0.828	5.14	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	1.01	5.14	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.19	5.14	ug/Kg	1
1,3-Dichloropropane	ND	U	0.829	5.14	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.13	5.14	ug/Kg	1
2,2-Dichloropropane	ND	U	0.857	5.14	ug/Kg	1
2-Butanone	ND	U	1.60	25.7	ug/Kg	1
2-Chlorotoluene	ND	U	1.15	5.14	ug/Kg	1
2-Hexanone	ND	U	2.00	12.8	ug/Kg	1
4-Chlorotoluene	ND	U	1.14	5.14	ug/Kg	1
4-Isopropyltoluene	ND	U	1.07	5.14	ug/Kg	1
4-Methyl-2-pentanone	ND	U	3.30	12.8	ug/Kg	1
Acetone	ND	U	1.27	51.4	ug/Kg	1
Benzene	ND	U	0.918	5.14	ug/Kg	1
Bromobenzene	ND	U	1.01	5.14	ug/Kg	1
Bromochloromethane	ND	U	0.897	5.14	ug/Kg	1
Bromodichloromethane	ND	U	0.836	5.14	ug/Kg	1
Bromoform	ND	U	0.688	5.14	ug/Kg	1
Bromomethane	ND	U	1.81	5.14	ug/Kg	1
n-Butylbenzene	ND	U	1.11	5.14	ug/Kg	1
Carbon disulfide	ND	U	0.888	5.14	ug/Kg	1
Carbon tetrachloride	ND	U	0.894	5.14	ug/Kg	1
Chlorobenzene	ND	U	0.796	5.14	ug/Kg	1
Chloroethane	ND	U	0.473	5.14	ug/Kg	1
Chloroform	ND	U	0.835	5.14	ug/Kg	1
Chloromethane	ND	U	0.745	5.14	ug/Kg	1
Dibromochloromethane	ND	U	0.871	5.14	ug/Kg	1
Dibromomethane	ND	U	0.835	5.14	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-8-6-8**

Client Sample ID: **33-8-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608008-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:38
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 89

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.885	5.14	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	0.921	5.14	ug/Kg	1
Diisopropyl Ether	ND	U	0.923	5.14	ug/Kg	1
Ethyl Benzene	ND	U	0.850	5.14	ug/Kg	1
Hexachlorobutadiene	ND	U	1.41	5.14	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	0.990	5.14	ug/Kg	1
Methyl iodide	ND	U	0.870	5.14	ug/Kg	1
Methylene chloride	ND	U	0.718	20.6	ug/Kg	1
Naphthalene	ND	U	1.24	5.14	ug/Kg	1
Styrene	ND	U	1.01	5.14	ug/Kg	1
Tetrachloroethene	ND	U	0.773	5.14	ug/Kg	1
Toluene	ND	U	0.833	5.14	ug/Kg	1
Trichloroethene	ND	U	0.860	5.14	ug/Kg	1
Trichlorofluoromethane	ND	U	0.775	5.14	ug/Kg	1
Vinyl chloride	ND	U	0.757	5.14	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.797	5.14	ug/Kg	1
m,p-Xylene	ND	U	1.82	10.3	ug/Kg	1
n-Propylbenzene	ND	U	1.00	5.14	ug/Kg	1
o-Xylene	ND	U	1.04	5.14	ug/Kg	1
sec-Butylbenzene	ND	U	1.07	5.14	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.876	5.14	ug/Kg	1
tert-Butylbenzene	ND	U	0.931	5.14	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.885	5.14	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	5.56	25.7	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	130			55.0-173	%	1
4-Bromofluorobenzene	101			23.0-141	%	1
Toluene d8	107			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 18:13**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **5.47 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-8-6-8**

Client Sample ID: **33-8-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608008-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:38
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 89

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	15.7	15.7	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	5.61	5.61	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	7.52	7.52	mg/kg	1
Surrogates						
n-Tricosane	55.0			40.0-140	%	1
o-Terphenyl	73.0			40.0-140	%	1
2-Bromonaphthalene	78.0			40.0-140	%	1
2-Fluorobiphenyl	78.0			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1127**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/05/2011 12:58**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **12.03 g**
Prep Extract Vol: **10 mL**

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Results of **33-8-6-8**

Client Sample ID: **33-8-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608008-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:38
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 89

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	29.9	339	ug/Kg	1
1,2-Dichlorobenzene	ND	U	16.9	339	ug/Kg	1
1,3-Dichlorobenzene	ND	U	22.9	339	ug/Kg	1
1,4-Dichlorobenzene	ND	U	23.9	339	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	22.6	339	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	23.0	339	ug/Kg	1
2,4-Dichlorophenol	ND	U	19.6	339	ug/Kg	1
2,4-Dinitrophenol	ND	U	31.4	677	ug/Kg	1
2,4-Dinitrotoluene	ND	U	17.1	339	ug/Kg	1
2,6-Dinitrotoluene	ND	U	24.3	339	ug/Kg	1
2-Chloronaphthalene	ND	U	19.9	339	ug/Kg	1
2-Chlorophenol	ND	U	18.0	339	ug/Kg	1
2-Methylnaphthalene	ND	U	27.4	339	ug/Kg	1
2-Methylphenol	ND	U	18.7	339	ug/Kg	1
2-Nitroaniline	ND	U	22.3	339	ug/Kg	1
2-Nitrophenol	ND	U	16.2	339	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	22.0	339	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	16.2	339	ug/Kg	1
3-Nitroaniline	ND	U	15.3	339	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	15.9	339	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	16.9	339	ug/Kg	1
4-Chloroaniline	ND	U	27.1	339	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	36.2	339	ug/Kg	1
Acenaphthene	ND	U	15.4	339	ug/Kg	1
Acenaphthylene	ND	U	14.3	339	ug/Kg	1
Anthracene	ND	U	15.1	339	ug/Kg	1
Benzo(a)anthracene	ND	U	18.6	339	ug/Kg	1
Benzo(a)pyrene	ND	U	19.2	339	ug/Kg	1
Benzo(b)fluoranthene	ND	U	19.5	339	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	53.9	339	ug/Kg	1
Benzo(k)fluoranthene	ND	U	40.6	339	ug/Kg	1
Benzoic acid	ND	U	7.52	339	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	15.3	339	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	31.6	339	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	29.6	339	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	16.2	339	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	22.3	339	ug/Kg	1
Butyl benzyl phthalate	ND	U	29.5	339	ug/Kg	1
Chrysene	ND	U	39.4	339	ug/Kg	1
Di-n-butyl phthalate	ND	U	16.0	339	ug/Kg	1
Di-n-octyl phthalate	ND	U	18.7	339	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	15.3	339	ug/Kg	1
Dibenzofuran	ND	U	26.5	339	ug/Kg	1

Print Date: 04/13/2011

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Results of **33-8-6-8**

Client Sample ID: **33-8-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608008-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:38
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 89

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	18.3	339	ug/Kg	1
Dimethyl phthalate	ND	U	26.0	339	ug/Kg	1
2,4-Dimethylphenol	ND	U	24.8	339	ug/Kg	1
Diphenylamine	ND	U	15.3	339	ug/Kg	1
Fluoranthene	ND	U	31.8	339	ug/Kg	1
Fluorene	ND	U	18.0	339	ug/Kg	1
Hexachlorobenzene	ND	U	32.1	339	ug/Kg	1
Hexachlorobutadiene	ND	U	20.3	339	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	103	339	ug/Kg	1
Hexachloroethane	ND	U	19.5	339	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	26.4	339	ug/Kg	1
Isophorone	ND	U	15.4	339	ug/Kg	1
Naphthalene	ND	U	29.2	339	ug/Kg	1
4-Nitroaniline	ND	U	19.5	339	ug/Kg	1
Nitrobenzene	ND	U	19.5	339	ug/Kg	1
4-Nitrophenol	ND	U	33.4	339	ug/Kg	1
Pentachlorophenol	ND	U	27.1	339	ug/Kg	1
Phenanthrene	ND	U	22.3	339	ug/Kg	1
Phenol	ND	U	31.6	339	ug/Kg	1
Pyrene	ND	U	14.3	339	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	97.0	339	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	53.0			41.0-129	%	1
2-Fluorobiphenyl	83.0			48.0-123	%	1
2-Fluorophenol	78.0			42.0-123	%	1
Nitrobenzene-d5	88.0			46.0-117	%	1
Phenol-d6	78.0			48.0-125	%	1
Terphenyl-d14	79.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 17:02**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **33.23 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-9-6-8**

Client Sample ID: **33-9-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608009-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 83

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	5.55	5.55	mg/kg	1
C9-C12 Aliphatic	ND	U	5.55	5.55	mg/kg	1
C9-C10 Aromatic	ND	U	5.55	5.55	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	95.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	95.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1126**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/08/2011 01:17**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **5.43 g**
Prep Extract Vol: **5 mL**

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Results of **33-9-6-8**

Client Sample ID: **33-9-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608009-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 83

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	1.16	5.49	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.855	5.49	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.24	5.49	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.14	5.49	ug/Kg	1
1,1-Dichloroethane	ND	U	0.948	5.49	ug/Kg	1
1,1-Dichloroethene	ND	U	0.992	5.49	ug/Kg	1
1,1-Dichloropropene	ND	U	1.01	5.49	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.53	5.49	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.22	5.49	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.31	5.49	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.18	5.49	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	6.38	33.0	ug/Kg	1
1,2-Dibromoethane	ND	U	0.833	5.49	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.42	5.49	ug/Kg	1
1,2-Dichloroethane	ND	U	0.974	5.49	ug/Kg	1
1,2-Dichloropropane	ND	U	0.885	5.49	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	1.08	5.49	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.27	5.49	ug/Kg	1
1,3-Dichloropropane	ND	U	0.886	5.49	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.21	5.49	ug/Kg	1
2,2-Dichloropropane	ND	U	0.917	5.49	ug/Kg	1
2-Butanone	ND	U	1.71	27.5	ug/Kg	1
2-Chlorotoluene	ND	U	1.23	5.49	ug/Kg	1
2-Hexanone	ND	U	2.14	13.7	ug/Kg	1
4-Chlorotoluene	ND	U	1.22	5.49	ug/Kg	1
4-Isopropyltoluene	ND	U	1.14	5.49	ug/Kg	1
4-Methyl-2-pentanone	ND	U	3.53	13.7	ug/Kg	1
Acetone	ND	U	1.36	54.9	ug/Kg	1
Benzene	ND	U	0.981	5.49	ug/Kg	1
Bromobenzene	ND	U	1.08	5.49	ug/Kg	1
Bromochloromethane	ND	U	0.959	5.49	ug/Kg	1
Bromodichloromethane	ND	U	0.893	5.49	ug/Kg	1
Bromoform	ND	U	0.735	5.49	ug/Kg	1
Bromomethane	ND	U	1.93	5.49	ug/Kg	1
n-Butylbenzene	ND	U	1.19	5.49	ug/Kg	1
Carbon disulfide	ND	U	0.949	5.49	ug/Kg	1
Carbon tetrachloride	ND	U	0.956	5.49	ug/Kg	1
Chlorobenzene	ND	U	0.851	5.49	ug/Kg	1
Chloroethane	ND	U	0.506	5.49	ug/Kg	1
Chloroform	ND	U	0.892	5.49	ug/Kg	1
Chloromethane	ND	U	0.797	5.49	ug/Kg	1
Dibromochloromethane	ND	U	0.931	5.49	ug/Kg	1
Dibromomethane	ND	U	0.892	5.49	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-9-6-8**

Client Sample ID: **33-9-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608009-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 83

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.946	5.49	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	0.985	5.49	ug/Kg	1
Diisopropyl Ether	ND	U	0.987	5.49	ug/Kg	1
Ethyl Benzene	ND	U	0.909	5.49	ug/Kg	1
Hexachlorobutadiene	ND	U	1.51	5.49	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	1.06	5.49	ug/Kg	1
Methyl iodide	ND	U	0.930	5.49	ug/Kg	1
Methylene chloride	ND	U	0.767	22.0	ug/Kg	1
Naphthalene	ND	U	1.33	5.49	ug/Kg	1
Styrene	ND	U	1.08	5.49	ug/Kg	1
Tetrachloroethene	ND	U	0.826	5.49	ug/Kg	1
Toluene	ND	U	0.890	5.49	ug/Kg	1
Trichloroethene	ND	U	0.920	5.49	ug/Kg	1
Trichlorofluoromethane	ND	U	0.829	5.49	ug/Kg	1
Vinyl chloride	ND	U	0.809	5.49	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.852	5.49	ug/Kg	1
m,p-Xylene	ND	U	1.95	11.0	ug/Kg	1
n-Propylbenzene	ND	U	1.07	5.49	ug/Kg	1
o-Xylene	ND	U	1.11	5.49	ug/Kg	1
sec-Butylbenzene	ND	U	1.14	5.49	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.936	5.49	ug/Kg	1
tert-Butylbenzene	ND	U	0.996	5.49	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.946	5.49	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	5.95	27.5	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	128			55.0-173	%	1
4-Bromofluorobenzene	101			23.0-141	%	1
Toluene d8	109			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 18:42**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **5.48 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-9-6-8**

Client Sample ID: **33-9-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608009-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 83

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	15.0	15.0	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	5.35	5.35	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	7.17	7.17	mg/kg	1
Surrogates						
n-Tricosane	64.0			40.0-140	%	1
o-Terphenyl	85.0			40.0-140	%	1
2-Bromonaphthalene	88.0			40.0-140	%	1
2-Fluorobiphenyl	88.0			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1127**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/05/2011 13:56**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **13.5 g**
Prep Extract Vol: **10 mL**

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Results of **33-9-6-8**

Client Sample ID: **33-9-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608009-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 83

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	33.4	378	ug/Kg	1
1,2-Dichlorobenzene	ND	U	18.9	378	ug/Kg	1
1,3-Dichlorobenzene	ND	U	25.5	378	ug/Kg	1
1,4-Dichlorobenzene	ND	U	26.7	378	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	25.3	378	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	25.6	378	ug/Kg	1
2,4-Dichlorophenol	ND	U	21.9	378	ug/Kg	1
2,4-Dinitrophenol	ND	U	35.1	756	ug/Kg	1
2,4-Dinitrotoluene	ND	U	19.1	378	ug/Kg	1
2,6-Dinitrotoluene	ND	U	27.1	378	ug/Kg	1
2-Chloronaphthalene	ND	U	22.2	378	ug/Kg	1
2-Chlorophenol	ND	U	20.1	378	ug/Kg	1
2-Methylnaphthalene	ND	U	30.6	378	ug/Kg	1
2-Methylphenol	ND	U	20.9	378	ug/Kg	1
2-Nitroaniline	ND	U	24.9	378	ug/Kg	1
2-Nitrophenol	ND	U	18.1	378	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	24.5	378	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	18.1	378	ug/Kg	1
3-Nitroaniline	ND	U	17.0	378	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	17.8	378	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	18.9	378	ug/Kg	1
4-Chloroaniline	ND	U	30.2	378	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	40.4	378	ug/Kg	1
Acenaphthene	ND	U	17.2	378	ug/Kg	1
Acenaphthylene	ND	U	16.0	378	ug/Kg	1
Anthracene	ND	U	16.8	378	ug/Kg	1
Benzo(a)anthracene	ND	U	20.8	378	ug/Kg	1
Benzo(a)pyrene	ND	U	21.4	378	ug/Kg	1
Benzo(b)fluoranthene	ND	U	21.8	378	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	60.2	378	ug/Kg	1
Benzo(k)fluoranthene	ND	U	45.3	378	ug/Kg	1
Benzoic acid	ND	U	8.39	378	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	17.0	378	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	35.3	378	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	33.0	378	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	18.1	378	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	24.9	378	ug/Kg	1
Butyl benzyl phthalate	ND	U	32.9	378	ug/Kg	1
Chrysene	ND	U	44.0	378	ug/Kg	1
Di-n-butyl phthalate	ND	U	17.9	378	ug/Kg	1
Di-n-octyl phthalate	ND	U	20.9	378	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	17.0	378	ug/Kg	1
Dibenzofuran	ND	U	29.6	378	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-9-6-8**

Client Sample ID: **33-9-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608009-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:40
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 83

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	20.4	378	ug/Kg	1
Dimethyl phthalate	ND	U	29.0	378	ug/Kg	1
2,4-Dimethylphenol	ND	U	27.7	378	ug/Kg	1
Diphenylamine	ND	U	17.0	378	ug/Kg	1
Fluoranthene	ND	U	35.5	378	ug/Kg	1
Fluorene	ND	U	20.1	378	ug/Kg	1
Hexachlorobenzene	ND	U	35.8	378	ug/Kg	1
Hexachlorobutadiene	ND	U	22.6	378	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	114	378	ug/Kg	1
Hexachloroethane	ND	U	21.8	378	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	29.5	378	ug/Kg	1
Isophorone	ND	U	17.2	378	ug/Kg	1
Naphthalene	ND	U	32.6	378	ug/Kg	1
4-Nitroaniline	ND	U	21.8	378	ug/Kg	1
Nitrobenzene	ND	U	21.8	378	ug/Kg	1
4-Nitrophenol	ND	U	37.2	378	ug/Kg	1
Pentachlorophenol	ND	U	30.2	378	ug/Kg	1
Phenanthrene	ND	U	24.9	378	ug/Kg	1
Phenol	ND	U	35.3	378	ug/Kg	1
Pyrene	ND	U	16.0	378	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	108	378	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	55.0			41.0-129	%	1
2-Fluorobiphenyl	82.0			48.0-123	%	1
2-Fluorophenol	85.0			42.0-123	%	1
Nitrobenzene-d5	85.0			46.0-117	%	1
Phenol-d6	81.0			48.0-125	%	1
Terphenyl-d14	76.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 17:26**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **31.88 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-10-6-8**

Client Sample ID: **33-10-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608010-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:43
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	5.67	5.67	mg/kg	1
C9-C12 Aliphatic	ND	U	5.67	5.67	mg/kg	1
C9-C10 Aromatic	ND	U	5.67	5.67	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	94.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	93.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1126**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/08/2011 01:44**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **5.94 g**
Prep Extract Vol: **5 mL**

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Results of **33-10-6-8**

Client Sample ID: **33-10-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608010-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:43
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	1.05	4.94	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.769	4.94	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.12	4.94	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.03	4.94	ug/Kg	1
1,1-Dichloroethane	ND	U	0.853	4.94	ug/Kg	1
1,1-Dichloroethene	ND	U	0.893	4.94	ug/Kg	1
1,1-Dichloropropene	ND	U	0.912	4.94	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.37	4.94	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.10	4.94	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.18	4.94	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.06	4.94	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	5.74	29.7	ug/Kg	1
1,2-Dibromoethane	ND	U	0.749	4.94	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.28	4.94	ug/Kg	1
1,2-Dichloroethane	ND	U	0.876	4.94	ug/Kg	1
1,2-Dichloropropane	ND	U	0.796	4.94	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	0.973	4.94	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.15	4.94	ug/Kg	1
1,3-Dichloropropane	ND	U	0.797	4.94	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.09	4.94	ug/Kg	1
2,2-Dichloropropane	ND	U	0.825	4.94	ug/Kg	1
2-Butanone	ND	U	1.54	24.7	ug/Kg	1
2-Chlorotoluene	ND	U	1.11	4.94	ug/Kg	1
2-Hexanone	ND	U	1.93	12.4	ug/Kg	1
4-Chlorotoluene	ND	U	1.10	4.94	ug/Kg	1
4-Isopropyltoluene	ND	U	1.03	4.94	ug/Kg	1
4-Methyl-2-pentanone	ND	U	3.17	12.4	ug/Kg	1
Acetone	ND	U	1.23	49.4	ug/Kg	1
Benzene	ND	U	0.883	4.94	ug/Kg	1
Bromobenzene	ND	U	0.975	4.94	ug/Kg	1
Bromochloromethane	ND	U	0.863	4.94	ug/Kg	1
Bromodichloromethane	ND	U	0.804	4.94	ug/Kg	1
Bromoform	ND	U	0.661	4.94	ug/Kg	1
Bromomethane	ND	U	1.74	4.94	ug/Kg	1
n-Butylbenzene	ND	U	1.07	4.94	ug/Kg	1
Carbon disulfide	ND	U	0.854	4.94	ug/Kg	1
Carbon tetrachloride	ND	U	0.860	4.94	ug/Kg	1
Chlorobenzene	ND	U	0.765	4.94	ug/Kg	1
Chloroethane	ND	U	0.455	4.94	ug/Kg	1
Chloroform	ND	U	0.803	4.94	ug/Kg	1
Chloromethane	ND	U	0.717	4.94	ug/Kg	1
Dibromochloromethane	ND	U	0.837	4.94	ug/Kg	1
Dibromomethane	ND	U	0.803	4.94	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-10-6-8**

Client Sample ID: **33-10-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608010-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:43
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.851	4.94	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	0.886	4.94	ug/Kg	1
Diisopropyl Ether	ND	U	0.888	4.94	ug/Kg	1
Ethyl Benzene	ND	U	0.818	4.94	ug/Kg	1
Hexachlorobutadiene	ND	U	1.35	4.94	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	0.952	4.94	ug/Kg	1
Methyl iodide	ND	U	0.836	4.94	ug/Kg	1
Methylene chloride	ND	U	0.690	19.8	ug/Kg	1
Naphthalene	ND	U	1.20	4.94	ug/Kg	1
Styrene	ND	U	0.975	4.94	ug/Kg	1
Tetrachloroethene	ND	U	0.743	4.94	ug/Kg	1
Toluene	ND	U	0.801	4.94	ug/Kg	1
Trichloroethene	ND	U	0.828	4.94	ug/Kg	1
Trichlorofluoromethane	ND	U	0.745	4.94	ug/Kg	1
Vinyl chloride	ND	U	0.728	4.94	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.766	4.94	ug/Kg	1
m,p-Xylene	ND	U	1.75	9.89	ug/Kg	1
n-Propylbenzene	ND	U	0.964	4.94	ug/Kg	1
o-Xylene	ND	U	0.999	4.94	ug/Kg	1
sec-Butylbenzene	ND	U	1.03	4.94	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.842	4.94	ug/Kg	1
tert-Butylbenzene	ND	U	0.896	4.94	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.851	4.94	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	5.35	24.7	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	130			55.0-173	%	1
4-Bromofluorobenzene	102			23.0-141	%	1
Toluene d8	110			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 19:12**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **6.81 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-10-6-8**

Client Sample ID: **33-10-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608010-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:43
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	18.9	18.9	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	6.73	6.73	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	9.02	9.02	mg/kg	1
Surrogates						
n-Tricosane	71.0			40.0-140	%	1
o-Terphenyl	107			40.0-140	%	1
2-Bromonaphthalene	115			40.0-140	%	1
2-Fluorobiphenyl	115			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1127**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/05/2011 14:52**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **12 g**
Prep Extract Vol: **10 mL**

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Results of **33-10-6-8**

Client Sample ID: **33-10-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608010-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:43
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	37.0	420	ug/Kg	1
1,2-Dichlorobenzene	ND	U	20.9	420	ug/Kg	1
1,3-Dichlorobenzene	ND	U	28.3	420	ug/Kg	1
1,4-Dichlorobenzene	ND	U	29.7	420	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	28.1	420	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	28.5	420	ug/Kg	1
2,4-Dichlorophenol	ND	U	24.3	420	ug/Kg	1
2,4-Dinitrophenol	ND	U	38.9	839	ug/Kg	1
2,4-Dinitrotoluene	ND	U	21.2	420	ug/Kg	1
2,6-Dinitrotoluene	ND	U	30.1	420	ug/Kg	1
2-Chloronaphthalene	ND	U	24.7	420	ug/Kg	1
2-Chlorophenol	ND	U	22.3	420	ug/Kg	1
2-Methylnaphthalene	ND	U	34.0	420	ug/Kg	1
2-Methylphenol	ND	U	23.2	420	ug/Kg	1
2-Nitroaniline	ND	U	27.7	420	ug/Kg	1
2-Nitrophenol	ND	U	20.1	420	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	27.3	420	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	20.1	420	ug/Kg	1
3-Nitroaniline	ND	U	18.9	420	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	19.7	420	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	20.9	420	ug/Kg	1
4-Chloroaniline	ND	U	33.6	420	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	44.8	420	ug/Kg	1
Acenaphthene	ND	U	19.1	420	ug/Kg	1
Acenaphthylene	ND	U	17.7	420	ug/Kg	1
Anthracene	ND	U	18.7	420	ug/Kg	1
Benzo(a)anthracene	ND	U	23.1	420	ug/Kg	1
Benzo(a)pyrene	ND	U	23.8	420	ug/Kg	1
Benzo(b)fluoranthene	ND	U	24.2	420	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	66.8	420	ug/Kg	1
Benzo(k)fluoranthene	ND	U	50.3	420	ug/Kg	1
Benzoic acid	ND	U	9.32	420	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	18.9	420	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	39.2	420	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	36.6	420	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	20.1	420	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	27.7	420	ug/Kg	1
Butyl benzyl phthalate	ND	U	36.5	420	ug/Kg	1
Chrysene	ND	U	48.9	420	ug/Kg	1
Di-n-butyl phthalate	ND	U	19.9	420	ug/Kg	1
Di-n-octyl phthalate	ND	U	23.2	420	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	18.9	420	ug/Kg	1
Dibenzofuran	ND	U	32.9	420	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-10-6-8**

Client Sample ID: **33-10-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608010-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:43
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 74

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	22.7	420	ug/Kg	1
Dimethyl phthalate	ND	U	32.2	420	ug/Kg	1
2,4-Dimethylphenol	ND	U	30.7	420	ug/Kg	1
Diphenylamine	ND	U	18.9	420	ug/Kg	1
Fluoranthene	ND	U	39.5	420	ug/Kg	1
Fluorene	ND	U	22.3	420	ug/Kg	1
Hexachlorobenzene	ND	U	39.7	420	ug/Kg	1
Hexachlorobutadiene	ND	U	25.1	420	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	127	420	ug/Kg	1
Hexachloroethane	ND	U	24.2	420	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	32.8	420	ug/Kg	1
Isophorone	ND	U	19.1	420	ug/Kg	1
Naphthalene	ND	U	36.2	420	ug/Kg	1
4-Nitroaniline	ND	U	24.2	420	ug/Kg	1
Nitrobenzene	ND	U	24.2	420	ug/Kg	1
4-Nitrophenol	ND	U	41.3	420	ug/Kg	1
Pentachlorophenol	ND	U	33.6	420	ug/Kg	1
Phenanthrene	ND	U	27.7	420	ug/Kg	1
Phenol	ND	U	39.2	420	ug/Kg	1
Pyrene	ND	U	17.7	420	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	120	420	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	48.0			41.0-129	%	1
2-Fluorobiphenyl	74.0			48.0-123	%	1
2-Fluorophenol	77.0			42.0-123	%	1
Nitrobenzene-d5	77.0			46.0-117	%	1
Phenol-d6	74.0			48.0-125	%	1
Terphenyl-d14	68.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 17:50**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **32.1 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-11-6-8**

Client Sample ID: **33-11-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608011-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 70

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	6.10	6.10	mg/kg	1
C9-C12 Aliphatic	ND	U	6.10	6.10	mg/kg	1
C9-C10 Aromatic	ND	U	6.10	6.10	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	94.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	96.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1126**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/08/2011 02:11**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **5.84 g**
Prep Extract Vol: **5 mL**

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Results of **33-11-6-8**

Client Sample ID: **33-11-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608011-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 70

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	1.40	6.61	ug/Kg	1
1,1,1-Trichloroethane	ND	U	1.03	6.61	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.49	6.61	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.37	6.61	ug/Kg	1
1,1-Dichloroethane	ND	U	1.14	6.61	ug/Kg	1
1,1-Dichloroethene	ND	U	1.19	6.61	ug/Kg	1
1,1-Dichloropropene	ND	U	1.22	6.61	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.84	6.61	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.47	6.61	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.57	6.61	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.41	6.61	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	7.68	39.6	ug/Kg	1
1,2-Dibromoethane	ND	U	1.00	6.61	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.70	6.61	ug/Kg	1
1,2-Dichloroethane	ND	U	1.17	6.61	ug/Kg	1
1,2-Dichloropropane	ND	U	1.06	6.61	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	1.30	6.61	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.53	6.61	ug/Kg	1
1,3-Dichloropropane	ND	U	1.07	6.61	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.45	6.61	ug/Kg	1
2,2-Dichloropropane	ND	U	1.10	6.61	ug/Kg	1
2-Butanone	ND	U	2.06	33.0	ug/Kg	1
2-Chlorotoluene	ND	U	1.48	6.61	ug/Kg	1
2-Hexanone	ND	U	2.58	16.5	ug/Kg	1
4-Chlorotoluene	ND	U	1.47	6.61	ug/Kg	1
4-Isopropyltoluene	ND	U	1.37	6.61	ug/Kg	1
4-Methyl-2-pentanone	ND	U	4.24	16.5	ug/Kg	1
Acetone	ND	U	1.64	66.1	ug/Kg	1
Benzene	ND	U	1.18	6.61	ug/Kg	1
Bromobenzene	ND	U	1.30	6.61	ug/Kg	1
Bromochloromethane	ND	U	1.15	6.61	ug/Kg	1
Bromodichloromethane	ND	U	1.07	6.61	ug/Kg	1
Bromoform	ND	U	0.884	6.61	ug/Kg	1
Bromomethane	ND	U	2.33	6.61	ug/Kg	1
n-Butylbenzene	ND	U	1.43	6.61	ug/Kg	1
Carbon disulfide	ND	U	1.14	6.61	ug/Kg	1
Carbon tetrachloride	ND	U	1.15	6.61	ug/Kg	1
Chlorobenzene	ND	U	1.02	6.61	ug/Kg	1
Chloroethane	ND	U	0.608	6.61	ug/Kg	1
Chloroform	ND	U	1.07	6.61	ug/Kg	1
Chloromethane	ND	U	0.958	6.61	ug/Kg	1
Dibromochloromethane	ND	U	1.12	6.61	ug/Kg	1
Dibromomethane	ND	U	1.07	6.61	ug/Kg	1

Results of **33-11-6-8**

Client Sample ID: **33-11-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608011-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 70

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	1.14	6.61	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	1.18	6.61	ug/Kg	1
Diisopropyl Ether	ND	U	1.19	6.61	ug/Kg	1
Ethyl Benzene	ND	U	1.09	6.61	ug/Kg	1
Hexachlorobutadiene	ND	U	1.81	6.61	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	1.27	6.61	ug/Kg	1
Methyl iodide	ND	U	1.12	6.61	ug/Kg	1
Methylene chloride	ND	U	0.922	26.4	ug/Kg	1
Naphthalene	ND	U	1.60	6.61	ug/Kg	1
Styrene	ND	U	1.30	6.61	ug/Kg	1
Tetrachloroethene	ND	U	0.994	6.61	ug/Kg	1
Toluene	ND	U	1.07	6.61	ug/Kg	1
Trichloroethene	ND	U	1.11	6.61	ug/Kg	1
Trichlorofluoromethane	ND	U	0.996	6.61	ug/Kg	1
Vinyl chloride	ND	U	0.973	6.61	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	1.02	6.61	ug/Kg	1
m,p-Xylene	ND	U	2.34	13.2	ug/Kg	1
n-Propylbenzene	ND	U	1.29	6.61	ug/Kg	1
o-Xylene	ND	U	1.33	6.61	ug/Kg	1
sec-Butylbenzene	ND	U	1.37	6.61	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	1.13	6.61	ug/Kg	1
tert-Butylbenzene	ND	U	1.20	6.61	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	1.14	6.61	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	7.15	33.0	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	130			55.0-173	%	1
4-Bromofluorobenzene	101			23.0-141	%	1
Toluene d8	109			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 19:42**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **5.39 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-11-6-8**

Client Sample ID: **33-11-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608011-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 70

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	19.4	19.4	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	6.92	6.92	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	9.27	9.27	mg/kg	1
Surrogates						
n-Tricosane	96.0			40.0-140	%	1
o-Terphenyl	99.0			40.0-140	%	1
2-Bromonaphthalene	116			40.0-140	%	1
2-Fluorobiphenyl	116			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1127**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/05/2011 15:48**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **12.35 g**
Prep Extract Vol: **10 mL**

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Results of **33-11-6-8**

Client Sample ID: **33-11-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608011-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 70

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	39.3	446	ug/Kg	1
1,2-Dichlorobenzene	ND	U	22.2	446	ug/Kg	1
1,3-Dichlorobenzene	ND	U	30.0	446	ug/Kg	1
1,4-Dichlorobenzene	ND	U	31.5	446	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	29.8	446	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	30.2	446	ug/Kg	1
2,4-Dichlorophenol	ND	U	25.8	446	ug/Kg	1
2,4-Dinitrophenol	ND	U	41.3	890	ug/Kg	1
2,4-Dinitrotoluene	ND	U	22.5	446	ug/Kg	1
2,6-Dinitrotoluene	ND	U	31.9	446	ug/Kg	1
2-Chloronaphthalene	ND	U	26.2	446	ug/Kg	1
2-Chlorophenol	ND	U	23.6	446	ug/Kg	1
2-Methylnaphthalene	ND	U	36.0	446	ug/Kg	1
2-Methylphenol	ND	U	24.6	446	ug/Kg	1
2-Nitroaniline	ND	U	29.3	446	ug/Kg	1
2-Nitrophenol	ND	U	21.4	446	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	28.9	446	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	21.4	446	ug/Kg	1
3-Nitroaniline	ND	U	20.1	446	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	20.9	446	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	22.2	446	ug/Kg	1
4-Chloroaniline	ND	U	35.6	446	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	47.6	446	ug/Kg	1
Acenaphthene	ND	U	20.2	446	ug/Kg	1
Acenaphthylene	ND	U	18.8	446	ug/Kg	1
Anthracene	ND	U	19.8	446	ug/Kg	1
Benzo(a)anthracene	ND	U	24.5	446	ug/Kg	1
Benzo(a)pyrene	ND	U	25.2	446	ug/Kg	1
Benzo(b)fluoranthene	ND	U	25.6	446	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	70.9	446	ug/Kg	1
Benzo(k)fluoranthene	ND	U	53.4	446	ug/Kg	1
Benzoic acid	ND	U	9.88	446	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	20.1	446	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	41.6	446	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	38.9	446	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	21.4	446	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	29.3	446	ug/Kg	1
Butyl benzyl phthalate	ND	U	38.7	446	ug/Kg	1
Chrysene	ND	U	51.8	446	ug/Kg	1
Di-n-butyl phthalate	ND	U	21.1	446	ug/Kg	1
Di-n-octyl phthalate	ND	U	24.6	446	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	20.1	446	ug/Kg	1
Dibenzofuran	ND	U	34.9	446	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-11-6-8**

Client Sample ID: **33-11-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608011-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:45
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 70

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	24.1	446	ug/Kg	1
Dimethyl phthalate	ND	U	34.2	446	ug/Kg	1
2,4-Dimethylphenol	ND	U	32.6	446	ug/Kg	1
Diphenylamine	ND	U	20.1	446	ug/Kg	1
Fluoranthene	ND	U	41.9	446	ug/Kg	1
Fluorene	ND	U	23.6	446	ug/Kg	1
Hexachlorobenzene	ND	U	42.1	446	ug/Kg	1
Hexachlorobutadiene	ND	U	26.6	446	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	135	446	ug/Kg	1
Hexachloroethane	ND	U	25.6	446	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	34.7	446	ug/Kg	1
Isophorone	ND	U	20.2	446	ug/Kg	1
Naphthalene	ND	U	38.4	446	ug/Kg	1
4-Nitroaniline	ND	U	25.6	446	ug/Kg	1
Nitrobenzene	ND	U	25.6	446	ug/Kg	1
4-Nitrophenol	ND	U	43.9	446	ug/Kg	1
Pentachlorophenol	ND	U	35.6	446	ug/Kg	1
Phenanthrene	ND	U	29.3	446	ug/Kg	1
Phenol	ND	U	41.6	446	ug/Kg	1
Pyrene	ND	U	18.8	446	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	128	446	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	58.0			41.0-129	%	1
2-Fluorobiphenyl	84.0			48.0-123	%	1
2-Fluorophenol	92.0			42.0-123	%	1
Nitrobenzene-d5	90.0			46.0-117	%	1
Phenol-d6	90.0			48.0-125	%	1
Terphenyl-d14	77.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 18:13**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **32.02 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-12-6-8**

Client Sample ID: **33-12-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608012-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:49
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	4.81	4.81	mg/kg	1
C9-C12 Aliphatic	ND	U	4.81	4.81	mg/kg	1
C9-C10 Aromatic	ND	U	4.81	4.81	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	94.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	96.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1126**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/08/2011 03:05**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **6.36 g**
Prep Extract Vol: **5 mL**

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Results of **33-12-6-8**

Client Sample ID: **33-12-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608012-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:49
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	1.04	4.91	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.764	4.91	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.11	4.91	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.02	4.91	ug/Kg	1
1,1-Dichloroethane	ND	U	0.848	4.91	ug/Kg	1
1,1-Dichloroethene	ND	U	0.887	4.91	ug/Kg	1
1,1-Dichloropropene	ND	U	0.906	4.91	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.37	4.91	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.09	4.91	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.17	4.91	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.05	4.91	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	5.71	29.5	ug/Kg	1
1,2-Dibromoethane	ND	U	0.744	4.91	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.27	4.91	ug/Kg	1
1,2-Dichloroethane	ND	U	0.870	4.91	ug/Kg	1
1,2-Dichloropropane	ND	U	0.791	4.91	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	0.966	4.91	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.14	4.91	ug/Kg	1
1,3-Dichloropropane	ND	U	0.792	4.91	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.08	4.91	ug/Kg	1
2,2-Dichloropropane	ND	U	0.819	4.91	ug/Kg	1
2-Butanone	ND	U	1.53	24.6	ug/Kg	1
2-Chlorotoluene	ND	U	1.10	4.91	ug/Kg	1
2-Hexanone	ND	U	1.92	12.3	ug/Kg	1
4-Chlorotoluene	ND	U	1.09	4.91	ug/Kg	1
4-Isopropyltoluene	ND	U	1.02	4.91	ug/Kg	1
4-Methyl-2-pentanone	ND	U	3.15	12.3	ug/Kg	1
Acetone	ND	U	1.22	49.1	ug/Kg	1
Benzene	ND	U	0.877	4.91	ug/Kg	1
Bromobenzene	ND	U	0.968	4.91	ug/Kg	1
Bromochloromethane	ND	U	0.857	4.91	ug/Kg	1
Bromodichloromethane	ND	U	0.798	4.91	ug/Kg	1
Bromoform	ND	U	0.657	4.91	ug/Kg	1
Bromomethane	ND	U	1.73	4.91	ug/Kg	1
n-Butylbenzene	ND	U	1.06	4.91	ug/Kg	1
Carbon disulfide	ND	U	0.849	4.91	ug/Kg	1
Carbon tetrachloride	ND	U	0.854	4.91	ug/Kg	1
Chlorobenzene	ND	U	0.760	4.91	ug/Kg	1
Chloroethane	ND	U	0.452	4.91	ug/Kg	1
Chloroform	ND	U	0.797	4.91	ug/Kg	1
Chloromethane	ND	U	0.712	4.91	ug/Kg	1
Dibromochloromethane	ND	U	0.832	4.91	ug/Kg	1
Dibromomethane	ND	U	0.797	4.91	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-12-6-8**

Client Sample ID: **33-12-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608012-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:49
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.846	4.91	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	0.880	4.91	ug/Kg	1
Diisopropyl Ether	ND	U	0.882	4.91	ug/Kg	1
Ethyl Benzene	ND	U	0.812	4.91	ug/Kg	1
Hexachlorobutadiene	ND	U	1.35	4.91	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	0.946	4.91	ug/Kg	1
Methyl iodide	ND	U	0.831	4.91	ug/Kg	1
Methylene chloride	ND	U	0.686	19.6	ug/Kg	1
Naphthalene	ND	U	1.19	4.91	ug/Kg	1
Styrene	ND	U	0.968	4.91	ug/Kg	1
Tetrachloroethene	ND	U	0.739	4.91	ug/Kg	1
Toluene	ND	U	0.796	4.91	ug/Kg	1
Trichloroethene	ND	U	0.822	4.91	ug/Kg	1
Trichlorofluoromethane	ND	U	0.741	4.91	ug/Kg	1
Vinyl chloride	ND	U	0.723	4.91	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.761	4.91	ug/Kg	1
m,p-Xylene	ND	U	1.74	9.82	ug/Kg	1
n-Propylbenzene	ND	U	0.958	4.91	ug/Kg	1
o-Xylene	ND	U	0.992	4.91	ug/Kg	1
sec-Butylbenzene	ND	U	1.02	4.91	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.837	4.91	ug/Kg	1
tert-Butylbenzene	ND	U	0.890	4.91	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.846	4.91	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	5.31	24.6	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	127			55.0-173	%	1
4-Bromofluorobenzene	101			23.0-141	%	1
Toluene d8	108			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 20:11**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **6.23 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-12-6-8**

Client Sample ID: **33-12-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608012-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:49
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	16.3	16.3	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	5.83	5.83	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	7.81	7.81	mg/kg	1
Surrogates						
n-Tricosane	84.0			40.0-140	%	1
o-Terphenyl	72.0			40.0-140	%	1
2-Bromonaphthalene	79.0			40.0-140	%	1
2-Fluorobiphenyl	78.0			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1127**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/05/2011 16:45**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **12.59 g**
Prep Extract Vol: **10 mL**

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Results of **33-12-6-8**

Client Sample ID: **33-12-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608012-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:49
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	33.7	382	ug/Kg	1
1,2-Dichlorobenzene	ND	U	19.1	382	ug/Kg	1
1,3-Dichlorobenzene	ND	U	25.8	382	ug/Kg	1
1,4-Dichlorobenzene	ND	U	27.0	382	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	25.5	382	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	25.9	382	ug/Kg	1
2,4-Dichlorophenol	ND	U	22.1	382	ug/Kg	1
2,4-Dinitrophenol	ND	U	35.4	764	ug/Kg	1
2,4-Dinitrotoluene	ND	U	19.3	382	ug/Kg	1
2,6-Dinitrotoluene	ND	U	27.4	382	ug/Kg	1
2-Chloronaphthalene	ND	U	22.5	382	ug/Kg	1
2-Chlorophenol	ND	U	20.3	382	ug/Kg	1
2-Methylnaphthalene	ND	U	30.9	382	ug/Kg	1
2-Methylphenol	ND	U	21.1	382	ug/Kg	1
2-Nitroaniline	ND	U	25.2	382	ug/Kg	1
2-Nitrophenol	ND	U	18.3	382	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	24.8	382	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	18.3	382	ug/Kg	1
3-Nitroaniline	ND	U	17.2	382	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	18.0	382	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	19.1	382	ug/Kg	1
4-Chloroaniline	ND	U	30.5	382	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	40.8	382	ug/Kg	1
Acenaphthene	ND	U	17.3	382	ug/Kg	1
Acenaphthylene	ND	U	16.1	382	ug/Kg	1
Anthracene	ND	U	17.0	382	ug/Kg	1
Benzo(a)anthracene	ND	U	21.0	382	ug/Kg	1
Benzo(a)pyrene	ND	U	21.6	382	ug/Kg	1
Benzo(b)fluoranthene	ND	U	22.0	382	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	60.8	382	ug/Kg	1
Benzo(k)fluoranthene	ND	U	45.8	382	ug/Kg	1
Benzoic acid	ND	U	8.48	382	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	17.2	382	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	35.7	382	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	33.4	382	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	18.3	382	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	25.2	382	ug/Kg	1
Butyl benzyl phthalate	ND	U	33.2	382	ug/Kg	1
Chrysene	ND	U	44.5	382	ug/Kg	1
Di-n-butyl phthalate	ND	U	18.1	382	ug/Kg	1
Di-n-octyl phthalate	ND	U	21.1	382	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	17.2	382	ug/Kg	1
Dibenzofuran	ND	U	29.9	382	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-12-6-8**

Client Sample ID: **33-12-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608012-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:49
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 82

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	20.6	382	ug/Kg	1
Dimethyl phthalate	ND	U	29.3	382	ug/Kg	1
2,4-Dimethylphenol	ND	U	28.0	382	ug/Kg	1
Diphenylamine	ND	U	17.2	382	ug/Kg	1
Fluoranthene	ND	U	35.9	382	ug/Kg	1
Fluorene	ND	U	20.3	382	ug/Kg	1
Hexachlorobenzene	ND	U	36.2	382	ug/Kg	1
Hexachlorobutadiene	ND	U	22.8	382	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	116	382	ug/Kg	1
Hexachloroethane	ND	U	22.0	382	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	29.8	382	ug/Kg	1
Isophorone	ND	U	17.3	382	ug/Kg	1
Naphthalene	ND	U	33.0	382	ug/Kg	1
4-Nitroaniline	ND	U	22.0	382	ug/Kg	1
Nitrobenzene	ND	U	22.0	382	ug/Kg	1
4-Nitrophenol	ND	U	37.6	382	ug/Kg	1
Pentachlorophenol	ND	U	30.5	382	ug/Kg	1
Phenanthrene	ND	U	25.2	382	ug/Kg	1
Phenol	ND	U	35.7	382	ug/Kg	1
Pyrene	ND	U	16.1	382	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	109	382	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	53.0			41.0-129	%	1
2-Fluorobiphenyl	79.0			48.0-123	%	1
2-Fluorophenol	87.0			42.0-123	%	1
Nitrobenzene-d5	85.0			46.0-117	%	1
Phenol-d6	85.0			48.0-125	%	1
Terphenyl-d14	76.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 18:37**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **32.05 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-13-6-8**

Client Sample ID: **33-13-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608013-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:55
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 84

Results by **MADEP VPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND	U	4.80	4.80	mg/kg	1
C9-C12 Aliphatic	ND	U	4.80	4.80	mg/kg	1
C9-C10 Aromatic	ND	U	4.80	4.80	mg/kg	1
Surrogates						
FID - 4-Bromofluorobenzene	93.0			70.0-130	%	1
PID - 4-Bromofluorobenzene	93.0			70.0-130	%	1

Batch Information

Analytical Batch: **VGC1126**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/08/2011 03:32**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **6.23 g**
Prep Extract Vol: **5 mL**

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Results of **33-13-6-8**

Client Sample ID: **33-13-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608013-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:55
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 84

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND	U	1.18	5.59	ug/Kg	1
1,1,1-Trichloroethane	ND	U	0.869	5.59	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND	U	1.26	5.59	ug/Kg	1
1,1,2-Trichloroethane	ND	U	1.16	5.59	ug/Kg	1
1,1-Dichloroethane	ND	U	0.964	5.59	ug/Kg	1
1,1-Dichloroethene	ND	U	1.01	5.59	ug/Kg	1
1,1-Dichloropropene	ND	U	1.03	5.59	ug/Kg	1
1,2,3-Trichlorobenzene	ND	U	1.55	5.59	ug/Kg	1
1,2,3-Trichloropropane	ND	U	1.24	5.59	ug/Kg	1
1,2,4-Trichlorobenzene	ND	U	1.33	5.59	ug/Kg	1
1,2,4-Trimethylbenzene	ND	U	1.20	5.59	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND	U	6.49	33.5	ug/Kg	1
1,2-Dibromoethane	ND	U	0.847	5.59	ug/Kg	1
1,2-Dichlorobenzene	ND	U	1.44	5.59	ug/Kg	1
1,2-Dichloroethane	ND	U	0.990	5.59	ug/Kg	1
1,2-Dichloropropane	ND	U	0.900	5.59	ug/Kg	1
1,3,5-Trimethylbenzene	ND	U	1.10	5.59	ug/Kg	1
1,3-Dichlorobenzene	ND	U	1.30	5.59	ug/Kg	1
1,3-Dichloropropane	ND	U	0.901	5.59	ug/Kg	1
1,4-Dichlorobenzene	ND	U	1.23	5.59	ug/Kg	1
2,2-Dichloropropane	ND	U	0.932	5.59	ug/Kg	1
2-Butanone	ND	U	1.74	27.9	ug/Kg	1
2-Chlorotoluene	ND	U	1.25	5.59	ug/Kg	1
2-Hexanone	ND	U	2.18	14.0	ug/Kg	1
4-Chlorotoluene	ND	U	1.24	5.59	ug/Kg	1
4-Isopropyltoluene	ND	U	1.16	5.59	ug/Kg	1
4-Methyl-2-pentanone	ND	U	3.59	14.0	ug/Kg	1
Acetone	ND	U	1.39	55.9	ug/Kg	1
Benzene	ND	U	0.998	5.59	ug/Kg	1
Bromobenzene	ND	U	1.10	5.59	ug/Kg	1
Bromochloromethane	ND	U	0.976	5.59	ug/Kg	1
Bromodichloromethane	ND	U	0.909	5.59	ug/Kg	1
Bromoform	ND	U	0.748	5.59	ug/Kg	1
Bromomethane	ND	U	1.97	5.59	ug/Kg	1
n-Butylbenzene	ND	U	1.21	5.59	ug/Kg	1
Carbon disulfide	ND	U	0.966	5.59	ug/Kg	1
Carbon tetrachloride	ND	U	0.972	5.59	ug/Kg	1
Chlorobenzene	ND	U	0.865	5.59	ug/Kg	1
Chloroethane	ND	U	0.514	5.59	ug/Kg	1
Chloroform	ND	U	0.907	5.59	ug/Kg	1
Chloromethane	ND	U	0.810	5.59	ug/Kg	1
Dibromochloromethane	ND	U	0.947	5.59	ug/Kg	1
Dibromomethane	ND	U	0.907	5.59	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-13-6-8**

Client Sample ID: **33-13-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608013-B
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:55
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 84

Results by **SW-846 8260B**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND	U	0.962	5.59	ug/Kg	1
trans-1,3-Dichloropropene	ND	U	1.00	5.59	ug/Kg	1
Diisopropyl Ether	ND	U	1.00	5.59	ug/Kg	1
Ethyl Benzene	ND	U	0.924	5.59	ug/Kg	1
Hexachlorobutadiene	ND	U	1.53	5.59	ug/Kg	1
Isopropylbenzene (Cumene)	ND	U	1.08	5.59	ug/Kg	1
Methyl iodide	ND	U	0.945	5.59	ug/Kg	1
Methylene chloride	ND	U	0.780	22.4	ug/Kg	1
Naphthalene	ND	U	1.35	5.59	ug/Kg	1
Styrene	ND	U	1.10	5.59	ug/Kg	1
Tetrachloroethene	ND	U	0.840	5.59	ug/Kg	1
Toluene	ND	U	0.905	5.59	ug/Kg	1
Trichloroethene	ND	U	0.935	5.59	ug/Kg	1
Trichlorofluoromethane	ND	U	0.843	5.59	ug/Kg	1
Vinyl chloride	ND	U	0.823	5.59	ug/Kg	1
cis-1,2-Dichloroethene	ND	U	0.866	5.59	ug/Kg	1
m,p-Xylene	ND	U	1.98	11.2	ug/Kg	1
n-Propylbenzene	ND	U	1.09	5.59	ug/Kg	1
o-Xylene	ND	U	1.13	5.59	ug/Kg	1
sec-Butylbenzene	ND	U	1.16	5.59	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND	U	0.952	5.59	ug/Kg	1
tert-Butylbenzene	ND	U	1.01	5.59	ug/Kg	1
trans-1,2-Dichloroethene	ND	U	0.962	5.59	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND	U	6.05	27.9	ug/Kg	1
Surrogates						
1,2-Dichloroethane-d4	128			55.0-173	%	1
4-Bromofluorobenzene	98.0			23.0-141	%	1
Toluene d8	107			57.0-134	%	1

Batch Information

Analytical Batch: **VMS1116**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **BWS**
Analytical Date/Time: **03/31/2011 20:41**

Prep Batch: **VXX1258**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **03/31/2011 00:00**
Prep Initial Wt./Vol.: **5.35 g**
Prep Extract Vol: **5 mL**

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-13-6-8**

Client Sample ID: **33-13-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608013-A
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:55
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 84

Results by **MADEP EPH**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
C11-C22 Aromatics	ND	U	16.3	16.3	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND	U	5.80	5.80	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND	U	7.78	7.78	mg/kg	1
Surrogates						
n-Tricosane	70.0			40.0-140	%	1
o-Terphenyl	64.0			40.0-140	%	1
2-Bromonaphthalene	64.0			40.0-140	%	1
2-Fluorobiphenyl	63.0			40.0-140	%	1

Batch Information

Analytical Batch: **XGC1127**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/05/2011 17:40**

Prep Batch: **XXX1161**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **03/30/2011 15:00**
Prep Initial Wt./Vol.: **12.36 g**
Prep Extract Vol: **10 mL**

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5500 Business Drive, Wilmington, NC 28405
t 910.350.1903 **f** 910.350.1557 www.us.sgs.com

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Results of **33-13-6-8**

Client Sample ID: **33-13-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608013-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:55
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 84

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND	U	31.8	361	ug/Kg	1
1,2-Dichlorobenzene	ND	U	18.0	361	ug/Kg	1
1,3-Dichlorobenzene	ND	U	24.3	361	ug/Kg	1
1,4-Dichlorobenzene	ND	U	25.5	361	ug/Kg	1
2,4,5-Trichlorophenol	ND	U	24.1	361	ug/Kg	1
2,4,6-Trichlorophenol	ND	U	24.4	361	ug/Kg	1
2,4-Dichlorophenol	ND	U	20.9	361	ug/Kg	1
2,4-Dinitrophenol	ND	U	33.4	721	ug/Kg	1
2,4-Dinitrotoluene	ND	U	18.2	361	ug/Kg	1
2,6-Dinitrotoluene	ND	U	25.8	361	ug/Kg	1
2-Chloronaphthalene	ND	U	21.2	361	ug/Kg	1
2-Chlorophenol	ND	U	19.1	361	ug/Kg	1
2-Methylnaphthalene	ND	U	29.2	361	ug/Kg	1
2-Methylphenol	ND	U	19.9	361	ug/Kg	1
2-Nitroaniline	ND	U	23.7	361	ug/Kg	1
2-Nitrophenol	ND	U	17.3	361	ug/Kg	1
3 and/or 4-Methylphenol	ND	U	23.4	361	ug/Kg	1
3,3'-Dichlorobenzidine	ND	U	17.3	361	ug/Kg	1
3-Nitroaniline	ND	U	16.3	361	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND	U	16.9	361	ug/Kg	1
4-Chloro-3-methylphenol	ND	U	18.0	361	ug/Kg	1
4-Chloroaniline	ND	U	28.8	361	ug/Kg	1
4-Chlorophenyl phenyl ether	ND	U	38.5	361	ug/Kg	1
Acenaphthene	ND	U	16.4	361	ug/Kg	1
Acenaphthylene	ND	U	15.2	361	ug/Kg	1
Anthracene	ND	U	16.0	361	ug/Kg	1
Benzo(a)anthracene	ND	U	19.8	361	ug/Kg	1
Benzo(a)pyrene	ND	U	20.4	361	ug/Kg	1
Benzo(b)fluoranthene	ND	U	20.8	361	ug/Kg	1
Benzo(g,h,i)perylene	ND	U	57.4	361	ug/Kg	1
Benzo(k)fluoranthene	ND	U	43.2	361	ug/Kg	1
Benzoic acid	ND	U	8.00	361	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND	U	16.3	361	ug/Kg	1
Bis(2-Chloroethyl)ether	ND	U	33.7	361	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND	U	31.5	361	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND	U	17.3	361	ug/Kg	1
4-Bromophenyl phenyl ether	ND	U	23.7	361	ug/Kg	1
Butyl benzyl phthalate	ND	U	31.4	361	ug/Kg	1
Chrysene	ND	U	42.0	361	ug/Kg	1
Di-n-butyl phthalate	ND	U	17.1	361	ug/Kg	1
Di-n-octyl phthalate	ND	U	19.9	361	ug/Kg	1
Dibenz(a,h)anthracene	ND	U	16.3	361	ug/Kg	1
Dibenzofuran	ND	U	28.2	361	ug/Kg	1

Print Date: 04/13/2011

N.C. Certification # 481

Results of **33-13-6-8**

Client Sample ID: **33-13-6-8**
Client Project ID: **3948 Guilford Co. Parcel 33**
Lab Sample ID: 31100608013-F
Lab Project ID: 31100608

Collection Date: 03/29/2011 13:55
Received Date: 03/30/2011 10:00
Matrix: Soil
Solids (%): 84

Results by **SW-846 8270D**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Diethyl phthalate	ND	U	19.5	361	ug/Kg	1
Dimethyl phthalate	ND	U	27.7	361	ug/Kg	1
2,4-Dimethylphenol	ND	U	26.4	361	ug/Kg	1
Diphenylamine	ND	U	16.3	361	ug/Kg	1
Fluoranthene	ND	U	33.9	361	ug/Kg	1
Fluorene	ND	U	19.1	361	ug/Kg	1
Hexachlorobenzene	ND	U	34.1	361	ug/Kg	1
Hexachlorobutadiene	ND	U	21.6	361	ug/Kg	1
Hexachlorocyclopentadiene	ND	U	109	361	ug/Kg	1
Hexachloroethane	ND	U	20.8	361	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND	U	28.1	361	ug/Kg	1
Isophorone	ND	U	16.4	361	ug/Kg	1
Naphthalene	ND	U	31.1	361	ug/Kg	1
4-Nitroaniline	ND	U	20.8	361	ug/Kg	1
Nitrobenzene	ND	U	20.8	361	ug/Kg	1
4-Nitrophenol	ND	U	35.5	361	ug/Kg	1
Pentachlorophenol	ND	U	28.8	361	ug/Kg	1
Phenanthrene	ND	U	23.7	361	ug/Kg	1
Phenol	ND	U	33.7	361	ug/Kg	1
Pyrene	ND	U	15.2	361	ug/Kg	1
n-Nitrosodi-n-propylamine	ND	U	103	361	ug/Kg	1
Surrogates						
2,4,6-Tribromophenol	55.0			41.0-129	%	1
2-Fluorobiphenyl	82.0			48.0-123	%	1
2-Fluorophenol	87.0			42.0-123	%	1
Nitrobenzene-d5	84.0			46.0-117	%	1
Phenol-d6	84.0			48.0-125	%	1
Terphenyl-d14	75.0			44.0-140	%	1

Batch Information

Analytical Batch: **XMS1056**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/01/2011 19:00**

Prep Batch: **XXX1170**
Prep Method: **SW-846 3541**
Prep Date/Time: **03/31/2011 16:40**
Prep Initial Wt./Vol.: **33.19 g**
Prep Extract Vol: **10 mL**

Print Date: 04/13/2011

N.C. Certification # 481

CHAIN OF CUSTODY RECORD
SGS North America Inc.

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- Maryland
- New York
- Ohio

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098738

(1)
CLIENT: Solutions IES
CONTACT: Jody Overmyer PHONE NO:(919) 873- 1060
PROJECT: 3948 Guilford Co SITE/PWSID#: Parcel 33
REPORTS TO: 1101 Nowell Rd Raleigh NC 27607 FAX NO.:( )
INVOICE TO: NCDOT 34482.1.1 QUOTE #:
P.O. NUMBER: 4300163800

SGS Reference: 31100608 PAGE 1 OF 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C=COMP G=GRAB	Preservatives Used	Analysis Required (3) VOC 8260 M	SVOC 8270 D	MADEP VPH	MADEP EPH	REMARKS
	33-1-6-8	3/29/11	1120	SOIL	6	G		X	X	X	X	
	33-2-6-8		1130									
	33-3-6-8		1135									
	33-4-6-8		1140									
	33-5-6-8		1145									
	33-6-6-8		1330									
	33-7-6-8		1351									
	33-8-6-8		1338									
	33-9-6-8		1340									
	33-10-6-8		1343									

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	3/29/11	1722	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 3/30/11	Time 10:00	Received By:

(4)

Shipping Carrier:
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature°C: 4.5
Special Deliverable Requirements:
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Special Instructions:
Requested Turnaround Time:
☐ RUSH _____ Date Needed ☐ STD

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

CHAIN OF CUSTODY RECORD
SGS North America Inc.

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- New York
- North Carolina
- Ohio

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SGS Reference: 31100608

PAGE 2 OF 2

(1)
CLIENT: Solutions IES
CONTACT: Jody Overmyer PHONE NO:(919) 873-1060
PROJECT: 3948 Guilford Co SITE/PWSID#: Parcel 33
REPORTS TO: 1101 Nowell Rd Raleigh NC 27607 FAX NO.:( )
INVOICE TO: NCDOT WBS 34482.1.1 QUOTE #:
P.O. NUMBER: 4300163900

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP G=GRAB)	Preservatives Used	Analysis Required (3) VOC 8260 B	SVOC 8270 D	MADEP VPH	MADEP EPH	REMARKS
	33-11-G-8	3/29/11	1345	soil	6	G		X	X	X	X	
	33-12-G-8	↓	1349	↓	↓	↓		↓	↓	↓	↓	
	33-13-G-8	↓	1355	↓	↓	↓		↓	↓	↓	↓	

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
[signature]	3/29/11	1722	[signature]
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 3/30/11	Time 10:00	Received By: [signature]

(4)

Shipping Carrier:
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature°C: 4.5.5
Special Deliverable Requirements:
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Special Instructions:
Requested Turnaround Time:
☐ RUSH _____ (Date Needed) ☐ STD

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Solutions IES** Work Order No.: **31100608**

1. ___ Shipped
   _X_ Hand Delivered

2. _X_ COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. ___ Custody Tape on Container
   _X_ No Custody Tape

4. _X_ Samples Intact
   ___ Samples Broken / Leaking

5. _X_ Chilled on Receipt Actual Temp.(s) in °C: 4.2, 5.5
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ Received Outside of Temperature Specifications

6. _X_ Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. _X_ Received Within Holding Time
   ___ Not Received Within Holding Time

9. _X_ No Discrepancies Noted
   ___ Discrepancies Noted

10. ___ No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: JJ

Date: Wed-3/30/11 00:00