PRELIMINARY SITE ASSESSMENT
PARCEL #31
NANCY POTTS FAMILY TRUST PROPERTY
9300 AND 9302 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
GeoEnvironmental Section
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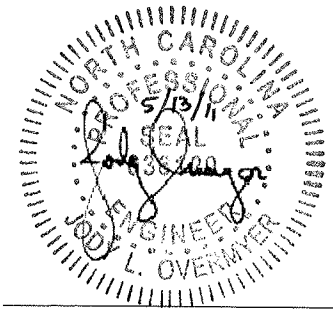
Solutions-IES Project No. 3948.11A3.NDOT

May 4, 2011



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1.0 INTRODUCTION

Parcel #31 (Nancy Potts Family Trust Property) in Guilford County is currently occupied by Hall Well Drilling located at 9302 West Market Street and adjacent art gallery located at 9300 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 #31 is currently developed with two commercial buildings occupied by Hall Well Drilling at 9302 West Market Street and an adjacent art gallery at 9300 West Market Street. Two former underground storage tank (UST) facilities, a former gas station/post office and the former Colfax Exxon/Grocery, were reported to be located at Parcel #31. The former gas station/post office was located in the building currently occupied by Hall Well Drilling and was assigned Groundwater Incident Number 30054 during the removal of a heating oil UST. The former Colfax Exxon/Grocery at the corner of 9300 West Market Street and Kidd Road was assigned Facility I.D. Number 0-017703 and Groundwater Incident Number 7876 following the removal of four USTs in 1990. File reviews were conducted at the North Carolina Department of Environment and Natural Resources (NCDENR) Winston-Salem, North Carolina regional office and the Guilford County Health Department for the referenced incidents.

According to a letter submitted to the North Carolina Department of Environmental, Health and Natural Resources on August 29, 1990 by Bobby's Backhoe Service, Inc., four USTs were removed from 9300 West Market Street in August 1990 according to state, federal and county regulations and indications of release were not observed. However, total petroleum hydrocarbons (TPHs) were detected at 33 parts per million (ppm) near one of the four tanks (550 gallon kerosene tank). Additional information for the site was not available. A copy of the Bobby's Backhoe letter and a copy of the Guilford County Department of Public Health Division of Environmental Health Underground Tank Removed or Abandoned in Place form for 9300 West Market Street is included as **Appendix A**.

A UST Leak Reporting Form was submitted in May 2002 for 9302 West Market Street following the removal of a heating oil UST and discovery of contaminated soil. Approximately 13.09 tons of contaminated soil was removed from the site of the heating oil UST and confirmatory soil sampling indicated soil contamination exceeded the NCDENR residential maximum soil contaminant concentrations (MSCCs). A subsequent Limited Site Assessment (LSA) was performed in October 2002 which suggested that groundwater contamination had not occurred and recommended assessment to determine the extent of soil contamination. In December 2002, a Comprehensive Site Assessment (CSA) was submitted to the NCDENR estimating approximately 30 cubic yards of impacted soils remained at the site and suggesting groundwater impacts had not occurred. A Corrective Action Plan (CAP) was submitted in February 2003 for removal of the remaining contaminated soil and approved by the NCDENR in June 2003. However, an UST Risk, Rank and Abatement Rating Form (Incident Number 30054) submitted in September 2004 ranked the site as high risk indicating contaminated soil was still present at the site. Additional information regarding the status of the impacted soil was not available. Copies of the 2004 UST Section Risk form and 2003 CAP, 2002 CSA and 2002 LSA cover letters for 9302 West Market Street are included as **Appendix B**.

3.0 FIELD ACTIVITIES

Subsequently in March 2011, a PSA was performed by Solutions-IES within the proposed right-of-way (ROW) and/or easement stretching northwest from the art gallery at the intersection of Kidd Road with West Market Street towards Hall Well Drilling. 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 C**.

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 1 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 the presence of a wide-diameter conduit, culvert or possibly a small metallic UST behind the north-east corner of the art gallery at 9300 West Market Street. The remainder of the geophysical investigation suggests that the proposed ROW and/or easement at Parcel #31 does not contain metallic USTs. Images of the EM and GPR findings are included in the geophysical report included as **Appendix D**. After a review of the geophysical report, Solutions-IES

mobilized to the site on March 29 and 30, 2011, to collect soil samples. Sixteen soil borings were advanced at Parcel #31 as part of the investigation. Seventeen borings were initially planned at the site; however, boring 31-14 was not installed due to obstructions from the building and vegetation. Thirteen soil borings were initially advanced to a depth of 8 feet below ground surface (ft bgs). Based on subsurface conditions at the time of investigation, boring 31-2 was advanced an additional 8 feet to a depth of 16 ft bgs. Additionally, three borings were advanced to a depth of 12 ft bgs in the vicinity of the possible UST behind the north-east corner of the art gallery at 9300 West Market Street. 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 E**.

A Macro-Core® sampler fitted with a dedicated polyvinyl chloride (PVC) liner was used to collect samples at generally 2-foot intervals. Each soil sample was generally 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 F** 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 silty clays overlying sandy silt (Unified Soil Classification CL to SM). Soils were generally dry with moist to saturated conditions encountered in borings 31-1 and 31-2 at varying intervals. Groundwater was not encountered in the borings to a depth of 16 ft bgs.

Table 1 shows the FID field screening results of the soils ranged from not detected to 34.0 ppm in non-saturated intervals while 321 ppm was detected in the saturated 6 to 8 ft bgs interval of boring 31-1. 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 from borings 31-1 through 31-13 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.

Samples from borings 31-15 through 31-17 were submitted for analysis of TPH gasoline range organics (GRO) and TPH diesel range organics (DRO) by EPA Method 8015C.

4.0 LABORATORY RESULTS

The laboratory analytical results from samples collected indicate the presence of MADEP (VPH and EPH) and the VOC 4-isopropyltoluene in soil at concentrations above the laboratory reporting limits at Parcel #31. The analytical results are summarized in **Table 2**, and the laboratory report is included in **Appendix G**. A summary follows:

- MADEP (VPH) C9-C12 aliphatics were detected at concentrations of 7.69 and 21.1 milligrams per kilogram (mg/kg) in borings 31-2 (4 to 6 ft bgs) and 31-13.
- MADEP (VPH) C9-C10 aliphatics were detected in borings 31-2 (4 to 6 ft bgs) and 31-13 at concentrations of 6.26 and 12.3 mg/kg, respectively.
- MADEP (EPH) C11-C22 aromatics were detected at concentrations of 65.9, 62.0 mg/kg, and 89.9 mg/kg at borings 31-2 (2 to 4 ft bgs and 4 to 6 ft bgs) and 31-13, respectively.
- MADEP (EPH) C9-C18 aromatics were also detected at borings 31-2 (4 to 6 ft bgs) and 31-13 at concentrations of 16.6 and 1,230 mg/kg, respectively.
- MADEP (EPH) C19-C36 aromatics was detected at a concentration of 140 mg/kg in boring 31-2 (4 to 6 ft bgs).
- VOC 4-ispropyltoluene was detected in boring 31-2 at a concentration of 7,120 micrograms per kilogram (µg/kg).

5.0 DISCUSSION/CONCLUSIONS

The geophysical survey conducted at the site suggested the presence of a wide-diameter conduit, culvert or possibly a small metallic UST behind the north-east corner of the art gallery at 9300 West Market Street. The remainder of the geophysical investigation suggested that that no buried metallic objects such as a UST are present within the surveyed portion of the proposed ROW and/or easement.

Solutions-IES advanced three soil borings in the vicinity of the possible UST to a depth of 12 ft bgs. TPH was not identified in concentrations exceeding the NCDENR action level of 10 ppm. Based on field observations, Solutions-IES field personnel believe the anomaly on the geophysical report was most likely a wide-diameter conduit or culvert rather than a UST.

Thirteen additional soil borings were advanced to a depth of 8 ft bgs within the proposed ROW and/or easement, and boring 31-2 was advanced an additional 8 feet to a depth of 16 ft bgs based on subsurface conditions observed during the assessment.

Borings 31-1 and 31-2 were located in a low-lying area where most of the site would receive surface runoff during wet conditions. Hence, saturated soil was observed in these two borings during field screening at more shallow depths than expected. The highest FID reading at Parcel #31 measured 321 ppm in boring 31-1 in the saturated interval from 6 to 8 ft bgs. The highest unsaturated FID reading was detected in boring 31-2 at a depth of 9 to 10 ft bgs and measured 34.0 ppm.

Soil samples from boring 31-2 and 31-13 indicate the presence of MADEP (EPH) C11-C22 aromatics above 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). The concentration of 4-isopropyltoluene in boring 31-2 is also considered an exceedance since no MSCC is established for this constituent.

The MSCC exceedances from boring 31-2 were in saturated soil and most likely resulted from impacted surface runoff as opposed to UST-related contamination. Decreasing FID measurements with depth were observed in boring 31-2. The approximate total volume of soil with contaminants of concern in excess of the NCDENR MSCCs near boring 31-2 is estimated at 230 bank cubic yards based on the depth of contamination extending to 9 ft bgs.

The MSCC exceedance in boring 31-13 is from an unknown source, but may be associated with Colfax Exxon/Grocery where the tank bed was thought to be located approximately 50 feet from the West Market Street centerline. The approximate total volume of soil with contaminants of concern in excess of the NCDENR MSCCs near boring 31-13 is estimated at 230 bank cubic yards based on a 2-foot contamination zone extending from 6 to 8 ft bgs. The areal extent of contamination in soil estimated within the proposed ROW and/or easement at Parcel #31 is illustrated in **Figure 3**.

The West Market Street expansion within the proposed ROW and/or easement may disturb impacted soil during construction activities performed by NCDOT. In addition, historic site data indicates that groundwater may be impacted in the vicinity of the ROW and/or easement. Therefore, Solutions-IES

recommends that NCDOT be prepared to monitor, transport and dispose of impacted soil during construction activities and also consider exposure of workers to impacted soil. Additional assessment would be necessary to identify the source and vertical extent of contamination in soil near boring 31-13, and source of contamination near boring 31-2. Groundwater will most likely not be encountered, but the NCDOT should be aware that groundwater contamination may exist.

TABLES

Table 1
Summary of Field Screening Results for Soil
Parcel #31
9300 / 9302 West Market Street
Colfax, Guilford County, North Carolina
WBS Element: 34482.1.1; State Project: R-2611
Sample Collection Date: March 29-30, 2011

Sample Depth Below Ground Surface	Soil Boring															
	31-1	31-2	31-3	31-4	31-5	31-6	31-7	31-8	31-9	31-10	31-11	31-12	31-13	31-15	31-16	31-17
	FID Reading (ppm)															
0 - 2 feet	0.00/0.00*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 - 4 feet	0.10/0.00*	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.00	0.00	0.00
4 - 6 feet	0.10	253**	0.20	0.00	0.00	0.00	0.10	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.20	0.12
6 - 8 feet	321**	80.1**	0.15	0.00	0.00	0.00	0.42	0.57	0.09	0.00	0.00	0.00	13.1	0.10	0.00	0.00
8 - 10 feet	NA	34.0***	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00	0.30	0.29
10 - 12 feet	NA	22.2/11.0****	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30	0.30	0.00
12 - 14 feet	NA	20.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14 - 16 feet	NA	0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

* Scanned in 1 foot increments. Sample from 1 to 3 feet below ground surface (bgs) was submitted for laboratory analysis due to moisture content below 3 feet bgs.

** Saturated sample.

*** FID reading from 9 to 10 ft bgs. Sample collected from 9 to 11 feet bgs was submitted for laboratory analysis.

**** Scanned in 1 foot increments.

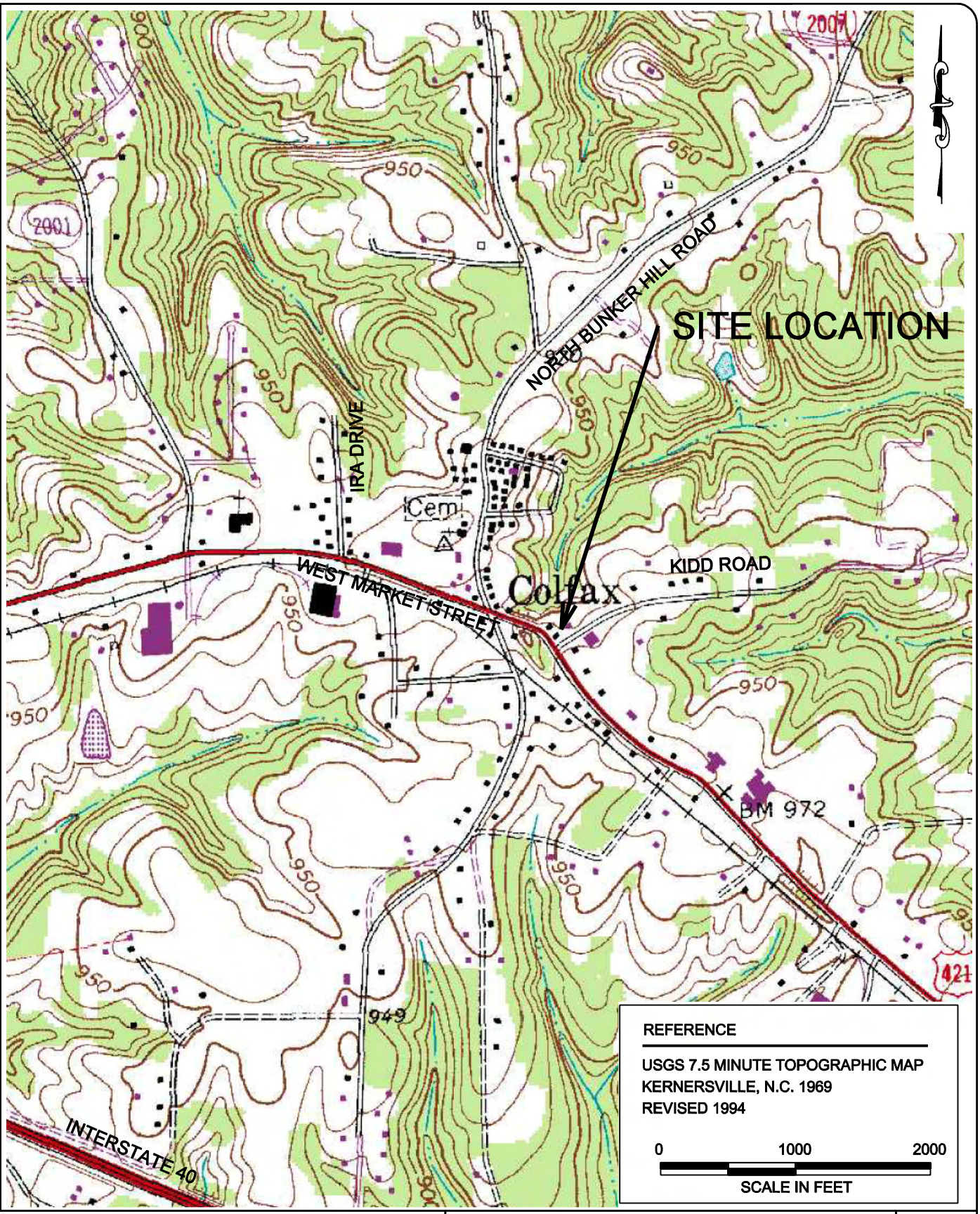
NA = Not analyzed

Table 2
Summary of Soil Analytical Results
Parcel #31
9300 / 9302 West Market Street
Colfax, Guilford County, North Carolina
WBS Element: 34482.1.1; State Project: R-2611
Sample Collection Date: March 29-30, 2011

Analytical Method (e.g., VOC by EPA 8260)		MADEP VPH			MADEP EPH			VOC by EPA 8260B	SVOC by EPA 8270B	TPH GRO by 5035/8015C	TPH DRO by 3541/8015C
Units		mg/kg			mg/kg			ug/kg	ug/kg	mg/kg	
Contaminant of Concern		C5-C8 Aliphatic	C9-C12 Aliphatic	C9-C10 Aliphatic	C11-C22 Aromatics	C9-C18 Aromatics	C19-C36Aromatics	4-isopropyltoluene	All Constituents	TPH GRO	TPH DRO
Sample ID	**Date Collected** (m/dd/yyyy)										
31-1-1-3	3/29/2011	<4.67	<4.67	<4.67	<16.6	<5.92	<7.93	<4.60	All Semi-Volatiles below Reporting Limit	NA	NA
31-2-2-4	3/29/2011	<5.36	<5.36	<5.36	**65.9**	<6.63	<8.89	<5.25		NA	NA
31-2-4-6	3/30/2011	<5.82	**7.69**	**6.26**	**62.0**	**16.6**	**140**	**7,120**		NA	NA
31-2-9-11	3/30/2011	<5.69	<5.69	<5.69	<18.2	<6.48	<8.69	<4.98		NA	NA
31-2-14-16	3/30/2011	<4.41	<4.41	<4.41	<18.7	<6.68	<8.96	<5.07		NA	NA
31-3-6-8	3/30/2011	<5.29	<5.29	<5.29	<18.1	<6.46	<8.65	<4.80		NA	NA
31-4-6-8	3/30/2011	<4.81	<4.81	<4.81	<15.0	<5.37	<7.20	<5.29		NA	NA
31-5-6-8	3/30/2011	<4.77	<4.77	<4.77	<16.8	<6.02	<8.06	<4.67		NA	NA
31-6-6-8	3/30/2011	<4.51	<4.51	<4.51	<14.6	<5.21	<6.98	<5.05		NA	NA
31-7-6-8	3/30/2011	<5.79	<5.79	<5.79	<17.6	<6.28	<8.42	<5.87		NA	NA
31-8-6-8	3/30/2011	<5.53	<5.53	<5.53	<16.7	<5.95	<7.97	<5.59		NA	NA
31-9-6-8	3/30/2011	<5.53	<5.53	<5.53	<15.0	<5.37	<7.20	<5.05		NA	NA
31-10-6-8	3/30/2011	<5.75	<5.75	<5.75	<15.5	<5.54	<7.42	<5.00		NA	NA
31-11-6-8	3/30/2011	<4.66	<4.66	<4.66	<15.6	<5.58	<7.48	<4.44		NA	NA
31-12-6-8	3/30/2011	<6.20	<6.20	<6.20	<16.0	<5.72	<7.66	<5.82		NA	NA
31-13-6-8	3/30/2011	<5.43	**21.1**	**12.3**	**89.9**	**1,230**	<7.46	<5.26		NA	NA
31-15-10-12	3/29/2011	NA	NA	NA	NA	NA	NA	NA	NA	<5.79	<7.62
31-16-10-12	3/29/2011	NA	NA	NA	NA	NA	NA	NA	NA	<5.08	<8.02
31-17-10-12	3/29/2011	NA	NA	NA	NA	NA	NA	NA	NA	<4.46	<7.23
Soil to groundwater MSCC		72	3300	34	34	3,300	NE	NE	NA	NE	NE
Residential MSCC		939	9,386	469	469	9,386	93,860	NE	NA	NE	NE
Industrial/Commercial MSCC		24,528	245,280	12,264	12,264	245,280	NE	NE	NA	NE	NE
Action Level		NE	NE	NE	NE	NE	NE	NE	NE	10	10

Notes:
mg/kg = milligram per kilogram
ug/kg =micrograms per kilogram
MSCC = Maximum Soil Contamination Concentrations
NE = No established
NA = Not applicable
Bold values indicate detection above laboratory reporting limit.
Shaded values exceed soil to groundwater MSCC.

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 #31 - NANCY POTTS PROPERTY
9300/9302 WEST MARKET STREET
COLFAX, GUILFORD COUNTY, NORTH CAROLINA
STATE PROJECT: R-2611
WBS ELEMENT: 34482.1.1

FIGURE: 1

PROJECT NUMBER 3948.11A3.NDOT | DRAFTER JC | CHECKED BY SK | PROJECT MANAGER JO | DATE 3/22/2011 | FILE Figure 2.pdf

HALL WELL DRILLING

PROBABLE SEGMENT OF CONDUIT/CULVERT OR POSSIBLE SMALL UST

ART GALLERY

POTTS & NANCY P TRUSTEE, JOHN T

31

CANOPY

ISBK BUS

WEST MARKET STREET

KIDD ROAD

EXISTING R/W

10' GR

12" DIP

12" CONC

18" CONC

72" CHL

POWER METER

1.5BKD

24

WEAVIL, BRENDA M

PDE

PUE

TWP

EIP

LEGEND

- PROPOSED ROW
- PROPOSED EASEMENT
- STUDY BOUNDARY
- PROBABLE SEGMENT OF CONDUIT/CULVERT OR POSSIBLE SMALL UST

0 40 80

SCALE IN FEET

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PARCEL #31 - NANCY POTTS PROPERTY
9300 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 | DRAFTER JC | CHECKED BY SK | PROJECT MANAGER JO | DATE 3/22/2011 | FILE Figure 3.pdf

HALL WELL DRILLING

PROBABLE SEGMENT OF CONDUIT/CULVERT OR POSSIBLE SMALL UST

ART GALLERY

31-1 31-2 31-3 31-4 31-5 31-6 31-7 31-8 31-9 31-10 31-11 31-12 31-13 31-15 31-16 31-17

POTTS & NANCY P TRUSTEE, JOHN T

31 CANOPY

ISBK BUS

WEST MARKET STREET

KIDD ROAD

WEAVIL, BRENDA M

24

JOHN T TRUSTEE

POWER METER

1.5BKD

EXISTING R/W

10' GR

12" DIP

12" CONC

18" CONC

72" CHL

PDE

TWP

EIP

LEGEND

- STUDY BOUNDARY
- PROBABLE SEGMENT OF CONDUIT/CULVERT OR POSSIBLE SMALL UST
- ESTIMATED EXTENT OF IMPACTED SOIL

0 40 80

SCALE IN FEET

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PARCEL #31 - NANCY POTTS PROPERTY
9300 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

9300 WEST MARKET STREET FILE REVIEW

BOBBY'S BACKHOE SERVICE,INC.
1324 WILEY LEWIS ROAD
GREENSBORO,N.C. 27406
(919)275-1286

August 29,1990

N.C. Dept. Of Environmental,
Health and Natural Resources
8025 North Point Blvd. Suite 100
Winston-Salem,N.C. 27106-3203

Guilford County

Re: Minnie M. Potts 9226 and 9300 U S 421 Colfax,N.C.

Mr. Andrew Raring,
On August 6,7,and 14,1990 Bobby's Backhoe removed and disposed of(2) 2000 gallon gas tanks (1) 3000 gallon gas tank and (1) 550 kerosene tank from 9300 U S 421
(1) 2000 gallon fuel oil tank and (1) 550 gallon gas tank from 9226 U S 421
All tanks were removed by state,federal and county regulations all soil samples were taken from marks * as indicated on map
There were no indication of leakage
The soil analysis reports are enclosed.If we can be of further help please let us know

Sincerly,
Vivian Williams
Vivian Williams
Bobby's Backhoe Service,Inc.

GUILFORD COUNTY DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
301 N. Eugene Street
P.O. Box 3508
Greensboro: NC 27401
Phone: (919) 373-3771

UNDERGROUND TANK REMOVED OR ABANDONED IN PLACE

TO BE TYPED OR PRINTED–

Owner's Name: Minnie M. Potts

Address: 9226 U S 421 Colfax,N.C. 27235

Telephone: 919-993-2077

Property Address: 9300 U S 421 Colfax
(if different from above)

Date removal or abandonment: August 6,1990 August 7,1990

Contractor's Name: Bobby's Backhoe Service,Inc.

Address: 1324 Wiley Lewis Rd. Gboro,N.C. 27406

Telephone: 919-275-1286

Final disposition of removed product: N/A

Evidence of leakage? Yes ___ No X Date noticed: ___

Soil samples taken? Yes X No ___ If yes, results must be forwarded to Health Department

Material used to fill tank: N/A

Tank size: 550 gallons kerosene (2) 2000 gallon gas (1) 3000 gallon gas

Final disposition of tank, if removed: Safeway Tank Disposal,Inc. Colfax,N.C.

Final disposition of contaminated soil, if removed: N/A

Remarks:

Vivian Williams
Signature

August 29, 1990
Date

White–Health Dept.
Yellow–Fire Dept.
Pink–Owner

APPENDIX B

9302 WEST MARKET STREET FILE REVIEW

30054

NORTH CAROLINA
UNDERGROUND STORAGE TANK SECTION
RISK, RANK AND ABATEMENT RATING FORM

Incident Name: Potts Property (John) 9302 Hwy 421 Region: WSRO
Incident Number: 30054 County: Guilford
Date: 9-23-04 Ranking Performed by: Slaton Clab

SCORE: H-290-D

Note: a new ranking form must be completed whenever site conditions may have changed

SECTION I. Risk Classification (Check all that apply)

1. High Risk

A. An existing water supply well, including one used for non-drinking purposes, has been contaminated by the release;

B. A water supply well used for drinking water is located within 1,000 feet of the source area of a confirmed release; ✓

C. A water supply well not used for drinking water is located within 250 feet of the source area of a confirmed release;

D. The groundwater within 500 feet of the source area of a confirmed release has the potential for future use in that there is no source of water supply other than the groundwater; ✓

E. There exists a serious threat of explosion due to the accumulation of vapors in a confined space, as a result of the release; or

F. There exists an imminent danger to public health, public safety or the environment, as a result of the release.

2. Intermediate Risk

A. Surface water is located within 500 feet of the source area of a confirmed release and the maximum groundwater contaminant concentration exceeds the applicable surface water quality standard and criteria found in 15A NCAC 2B .0200 by a factor of 10;

B. In the Coastal Plain Physiographic Province (as designated on a map entitled Geologic Map of North Carolina published by the Department in 1985), the source area of a confirmed release is located where there is recharge to an unconfined or semi-confined deeper aquifer which the Department determines is being used or may be used as a source of drinking water;

C. The source area of a confirmed release is located within a designated wellhead protection area, as defined in 42 USC 300h-7(e);

D. The levels of groundwater contamination for any contaminant (except ethylene dibromide, benzene and the aliphatic and aromatic carbon fraction classes) exceed 50 percent of the solubility of the contaminant at 25 degrees Celsius or 1,000 times the groundwater quality standard or interim standard established in 15A NCAC 2L .0202, whichever is lower (these levels have been termed "gross contamination levels"); or

E. The levels of groundwater contamination for ethylene dibromide or benzene exceed 1,000 times the federal drinking water standard set out in 40 CFR 141(these levels have also been termed "gross contamination levels").

3. Low Risk

A. A low risk classification means that the risk posed by a release does not meet any of the high or intermediate risk criteria or, based on site-specific information received by the Department, the release does not pose a significant risk.

SECTION I. Risk Classification HIGH

SECTION II. Release Ranking (Assign points as applicable)

1. EMERGENCY HAZARD ASSESSMENT — POINTS

An emergency situation exists whenever the Department determines that the release poses an imminent danger to public health, public safety, or the environment. — EMERGENCY

Complete entire form and assign letter E to final rating in Section III, Once Emergency is abated a new rating must be performed

2. EXPOSURE ASSESSMENT

Groundwater

A. Impacted Water Supplies

Public Supply Wells (each well can only be counted once)

1. Public or institutional water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 600 points per well _____

Private Supply Wells (each well can only be counted once)

2. Private domestic drinking water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 200 points per well _____

3. Private well, not used for drinking, containing contamination in detectable concentrations; award 75 points per well _____

Public or Private Wells Below 2L .0202 Standards (each well can only be counted once)

4. Public or private drinking water supply contains substances that are below the 15A NCAC 2L groundwater quality standards; award 100 points per well _____

B. Threat to Uncontaminated Drinking Water Supplies

Public Supply Wells *(each well can only be counted once)*

1. Public or institutional water supply well within 500 ft of plume edge, plume edge is within radius of influence of public well, or threat currently unknown; award 40 points per well _____

2. Public or institutional water supply well between 500 and 1000 ft of plume edge or threat is reasonably known; award 10 points per well _____

Private Supply Wells *(each well can only be counted once)*

3. Private water supply, including non-drinking well, located within 250 feet of plume edge, wells threatened or the threat is currently unknown; award 20 points per well 40

4. Private water supply, not including non-drinking well, located between 251 and 500 feet of the plume edge, wells threatened or the threat is currently unknown; award 10 points per well 40

5. Private water supply, not including non-drinking well, located between 501 and 1000 feet of plume edge or wells located within 1000 feet but threat to wells is reasonably known or alternate water source is available; award 5 points per well 135

6. Private non-drinking well, located between 251 and 1000 feet of plume edge; award 2 points per well _____

Surface Water

1. Violation of Class HQW,ORW,WS-I, WS-II or SA surface water quality standards as a result of groundwater discharge; award 10 points _____

2. Free product or sheen discovered on surface waters as a result of groundwater discharge; award 5 points _____

Soil

A Land Use Choose required soil clean-up level then apply points only if soil contamination exceeds requirement

No Risk Data	Soil to GW	Residential	Industrial/Commercial
☐	☒	☐	☐

1. Maximum soil contaminant concentration exceeds "Soil to Groundwater" but below "Residential" exposure concentration; award 5 points total

OR

2. Maximum soil contaminant concentration exceeds "Residential" but is below the "Industrial/Commercial" exposure concentration; award 10 points total — 10

OR

3. Maximum soil contaminant concentration exceeds the "Industrial/Commercial" exposure concentration or no risk-based data available; award 15 points total

Air

A. Vapor Phase Exposure

1. Contaminant vapors detected in inhabitable building(s), but levels are below 20% of the lower explosive limit and health concern levels; award 20 points total

2. Contaminant vapors detected in other confined areas (uninhabitable buildings, sewer lines, utility vaults, etc.) but levels are below 20% of the lower explosive limit; award 5 points total

3. HYDROGEOLOGY AND LITHOLOGY

A. Bedrock - contamination is located in, on or within five feet of bedrock; award 20 points

B. Vertical Contaminant Migration -Literature or well logs indicate that no confining layer is present above bedrock or within twenty feet of land surface; award 10 points — 10

C. Horizontal Contaminant Migration -Data or observations indicate that no discharge points or aquifer discontinuities exist between the discharge, release or known extent of contamination and the nearest down gradient drinking water supply; award 5 points total — 5

4. ENVIRONMENTAL VULNERABILITY ASSESSMENT

Contamination Concentrations

A. Existing Groundwater Quality -The worst case monitor or supply well, **assign only one**

1. At less than 10 times the 2L groundwater standards; award 5 points

OR

2. Between 10 and 100 times the 2L groundwater standards; award 20 points

OR

3. Greater than 100 times the 2L groundwater standards; award 40 points

OR

4. Free Product; award 80 points

Contaminant Types

A. Predominant Contamination Type

1. Low boiling point petroleum products (gasoline, aviation fuel); award 20 points

2. High boiling point petroleum products (fuel oil, kerosene, diesel fuel or similar products); award 0 points — Ø

SECTION II. Release Ranking — 240

SECTION III. Source Abatement Assignment (Award Points and Assign Letter)

A. Abated or Unabated Contaminant Source

1. Emergency Situation, Assign Letter **E** (from Section II.1.)

OR

2. UST remains in active use and continues to discharge into the environment; Award 100 points and assign Letter **A**

OR

3. UST release has been abated. However, contaminated soil continues to release product or contaminants into the environment; Award 50 points and assign Letter **D** — 50 D

OR

4. UST release has been abated. Contaminated soil has been removed or remediated; Award 0 points and assign Letter **R**

SECTION III. Source Abatement Assignment — 50 D

SECTION IV. Risk, Rank and Abatement Score

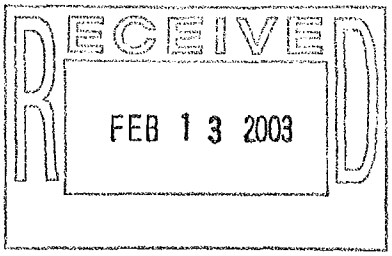
Total: Risk, Rank and Abatement Score — H-290-D

(Insert risk letter from Section I, total all points from Section II and III, and insert abatement letter from Section III)

(e.g H750D)

Upon completion transfer final score to box on page 1.

CEDAR ROCK ENVIRONMENTAL SERVICES, INC.
❖ 807 Bullard Lane, Graham, North Carolina 27253 ❖
(336) 376-0394



February 11, 2003

Ms. Sharon Cihak
Guilford County Dept. of Public Health,
Environmental Health Division
1100 E. Wendover Avenue
Greensboro, NC 27405

Reference: **Corrective Action Plan for the John Potts Property (A)**
9203 U.S. Highway 421, Colfax, Guilford County
Incident Number: 30054
Risk Classification: High
Land Use Category: Residential

Cedar Rock Project Number: 53822590

Dear Ms. Cihak:

Please accept this Corrective Action Plan for the above referenced property. This report satisfies the requirements specified in the *Guidelines for Assessment and Corrective Action (effective July 1, 2001)* for a release of fuel oil from the heating oil UST formerly located at the above referenced property.

If you have any questions or need additional information, please give me a call at the number above.

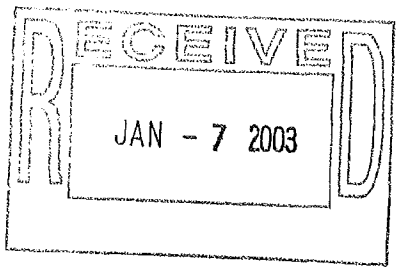
Sincerely,

Robert A. Payne, L.G.

Enclosure
cc: Mr. John Potts - Responsible Party / Property Owner

CEDAR ROCK ENVIRONMENTAL SERVICES, INC.
❖ 807 Bullard Lane, Graham, North Carolina 27253 ❖
(336) 376-0394

December 29, 2002



Ms. Sharon Cihak
Guilford County Dept. of Public Health
Environmental Health Division
1100 E. Wendover Avenue
Greensboro, NC 27405

Reference: **CSA Report for the John Potts Property (A)**
9203 U.S. Highway 421, Colfax, Guilford County
Incident Number: 30054
Risk Classification: High
Land Use Category: Residential

Cedar Rock Project Number: 53822590

Dear Ms. Cihak:

Please accept this Comprehensive Site Assessment Report for the above referenced property. This report satisfies the requirements specified in the UST Section's *Guidelines for Assessment and Corrective Action, April 2001 (effective July 1, 2001)* for a release of fuel oil from a 270-gallon UST formerly located at the above referenced property.

Site assessment activities have shown that approximately 30 cubic yards of petroleum-impacted soils remained after the initial abatement activities (soil excavation performed at the time of tank closure). The bulk of the impacted soils contained contaminant concentrations that exceeded the soil-to-groundwater and residential MSCCs. At this time, the presence of the contaminated soil is a potential health risk, as groundwater is a source of drinking water in the surrounding area. Because groundwater is a source of drinking water, the subject incident must remain classified as "High Risk".

Groundwater appears to have not been impacted by the release. Therefore, groundwater remediation is not required. However, the remaining impacted soils are a potential source of leachate. A Corrective Action Plan (CAP) should be submitted to the GC-EHD for approval of site restoration activities. The most expeditious method for removing the contaminated soils is excavation.

If you have any questions or need additional information, please give me a call at the number above.

Sincerely,

Robert A. Payne, L.G.

Enclosure
cc: Mr. John Potts - Responsible Party / Property Owner

CEDAR ROCK ENVIRONMENTAL SERVICES, INC.
807 Bullard Lane, Graham, North Carolina 27253
(336) 376-0394

October 7, 2002

Ms. Sharon Cihak
Guilford County Dept. of Public Health
Environmental Health Division
1100 E. Wendover Avenue
Greensboro, NC 27405

Reference: **LSA Report for the John Potts Property (A)**
9203 U.S. Highway 421, Colfax, Guilford County
Incident Number Pending
Risk Classification: Pending
Land Use Category: Residential

Dear Ms. Cihak:

Please accept this Limited Site Assessment Report for the above referenced property. This report satisfies the requirements specified in the UST Section's *Guidelines for Assessment and Corrective Action, April 2001 (effective July 1, 2001)* for a release of fuel oil from the heating oil UST formerly located at the above referenced property.

The LSA activities have shown that an unknown quantity of fuel oil-contaminated saprolite remained after the initial abatement activities. The concentration of petroleum aromatics in these soils exceeded the residential MSCCs. The groundwater sampling results showed that the release had probably not impacted groundwater. The petroleum aliphatics and unknown compound detected at trace concentrations in the groundwater sample collected from MW-1 were probably present as a result of a small amount of contaminated soil falling into the well during construction activities. The contaminated soil remaining in the source area is a potential source of leachate and poses a health risk, as groundwater is the sole source of drinking water in the surrounding area. Based on the results of the LSA, the subject incident should be classified as "High Risk".

Cedar Rock recommends that the extent of soil contamination be assessed. In addition, monitoring well MW-1 should be resampled to confirm the initial sampling results. If groundwater contaminant concentrations are shown to increase, additional groundwater assessment activities should be performed. The results of the additional site assessment activities should be included in a soils only Comprehensive Site Assessment (CSA) Report (soils and groundwater CSA Report if groundwater contaminant concentrations are shown to increase significantly). Recommendations for site restoration should be included in the CSA Report.

If you have any questions or need additional information, please give me a call at the number above.

Sincerely,

Robert A. Payne, L.G.

Enclosure
cc: Mr. John Potts - Responsible Party/Property Owner

APPENDIX C

PHOTOGRAPHS

Photograph 1 – View of Parcel #31 looking southeast towards Hall Well Drilling.

Photograph 2 – View of Parcel #31 looking northwest from Kidd Road towards the art gallery at 9300 West Market Street.

Photograph 3 – View of geophysical mark out of probable segment of wide-diameter conduit, culvert or possibly a small metallic UST behind the north-east corner of the art gallery.

Photograph 4 – View of low-lying area with boring 31-2 in the foreground and 31-1 in the background.

APPENDIX D

GEOPHYSICAL REPORT

Pyramid Project # 2011048

GEOPHYSICAL INVESTIGATION REPORT

EM61 & GPR SURVEYS

NANCY POTTS PROPERTY (PARCEL 31)
Colfax, North Carolina

March 15, 2011

Report prepared for: **Jody L. Overmyer, P.E.**
Solutions-IES
1101 Nowell Road
Raleigh, North Carolina 27607

Prepared by: _____
Mark Denil, PG

Reviewed by: _____
Douglas Canavello, PG

PYRAMID ENVIRONMENTAL & ENGINEERING, P.C.
P.O. Box 16265
GREENSBORO, NC 27416-0265
(336) 335-3174

Solutions-IES
GEOPHYSICAL INVESTIGATION REPORT
NANCY POTTS PROPERTY (PARCEL 31)
Colfax, North Carolina

TABLE OF CONTENTS PAGE

1.0 INTRODUCTION ……..…… 1

2.0 FIELD METHODOLOGY …… 1

3.0 DISCUSSION OF RESULTS ……... 3

4.0 SUMMARY & CONCLUSIONS ……. 4

5.0 LIMITATIONS ……..…… 5

FIGURES

Figure 1 Geophysical Equipment & Site Photographs
Figure 2 Geophysical Survey Line Locations
Figure 3 EM61 Metal Detection – Bottom Coil Results
Figure 4 EM61 Metal Detection – Differential Results
Figure 5 Image of GPR Survey Line Y=88

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 31) located at 9300 and 9302 West Market Street in Colfax, North Carolina. Two commercial buildings lie along the central portion of the property. Hall Drilling Company (9302 West Market Street) occupies the western-most building and a gallery shop (9300 West Market Street) uses the eastern-most building. The latter is a former gas station building. The proposed ROW area of Parcel 31 consists primarily of gravel and grass-covered surfaces that surround the two buildings. West Market Street and Kidd Road border the southern and eastern perimeters of the property, respectively whereas open fields border the northern and western perimeters of the site.

Conducted on March 1 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 31. 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 280 feet and 115 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 1, 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 anomaly running along the edge of West Market Street and intersecting grid coordinates X=380 Y=30 is probably in response to several buried utility lines. Similarly, the linear EM61 bottom coil anomalies intersecting grid coordinates X=440 Y=110 and X=457 Y=110 are probably in response to conduits or lines running from the former gas station building to the edge of the open field. GPR data suggest the linear EM61 bottom coil anomaly intersecting grid coordinates X=365 Y=53 is probably in response to a segment of buried line or conduit which appears to run from the former gas station building towards a concrete support abutment. The support abutment may have been the former location of a business sign near grid coordinates X=337 Y=55.

GPR data suggest the EM61 anomalies centered near grid coordinates X=224 Y=110, X=280 Y=113, X=320 Y=137, and X=344 Y=120 are in response to pipe racks, equipment, monitoring well and/or the building. Similarly, GPR data suggest the EM61 anomalies centered near grid coordinates X=313 Y=100, X=337 Y=100 and X=330 Y=47 are in response to the building, a flatbed trailer and/or other known surface objects.

GPR data suggest the high amplitude EM61 differential anomaly (contours shaded in red) centered near grid coordinates X=455 Y=87 is probably in response to a short segment of wider-diameter conduit or culvert. There is a slight possibility that the object is a small metallic UST. Based on the GPR data, the probable segment of conduit or possible UST is approximately 7 feet long, 1.5 feet wide and buried 1.5 feet below present grade. The approximate footprint of the probable segment of the wide-diameter conduit or possible UST was marked in the field using orange marking paint and pin flags. An image of GPR survey line Y=88 which crosses the probable conduit and a photograph showing the location of the buried object are presented in **Figure 5**.

The remaining EM61 anomalies shown in Figures 3 and 4 but not discussed in this summary are probably in response to known surface objects or to buried miscellaneous metal objects or debris.

Excluding the probable wide-diameter segment of conduit or possible UST near grid coordinates X=452 Y=87, the geophysical investigation suggests that the remaining surveyed portion of Parcel 31 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 31) located at 9300 and 9302 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.

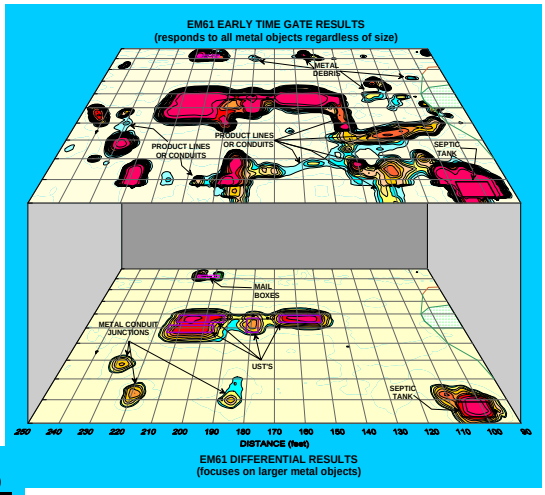
- The linear EM61 bottom coil anomaly running along the edge of West Market Street and intersecting grid coordinates X=380 Y=30 is probably in response to several buried utility lines. Similarly, the linear EM61 bottom coil anomalies intersecting grid coordinates X=440 Y=110 and X=457 Y=110 are probably in response to conduits or lines running from the former gas station building to the edge of the open field.

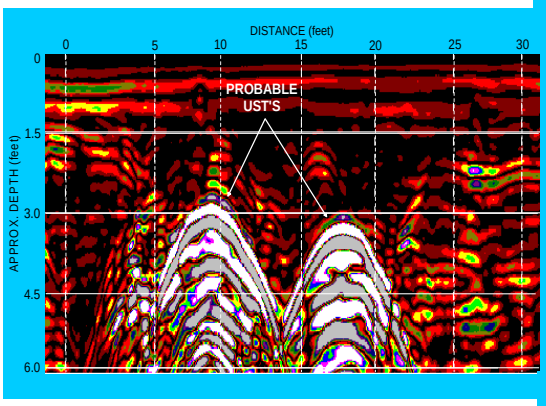
- GPR data suggest the high amplitude EM61 differential anomaly (contours shaded in red) centered near grid coordinates X=455 Y=87 is probably in response to a short segment of wider-diameter conduit or culvert. There is a slight possibility that the object is a small metallic UST. Based on the GPR data, the probable segment of conduit or possible UST is approximately 7 feet long, 1.5 feet wide and buried 1.5 feet below present grade.

- Excluding the probable wide-diameter segment of conduit or possible UST near grid coordinates X=455 Y=87, the geophysical investigation suggests that the remaining surveyed portion of Parcel 31 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 may contain a possible metallic UST but that only one possible UST was detected.

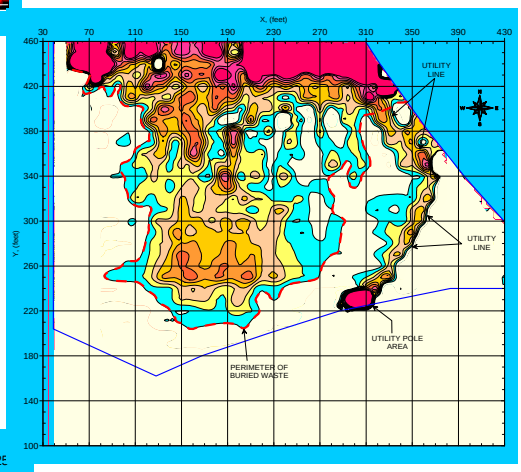


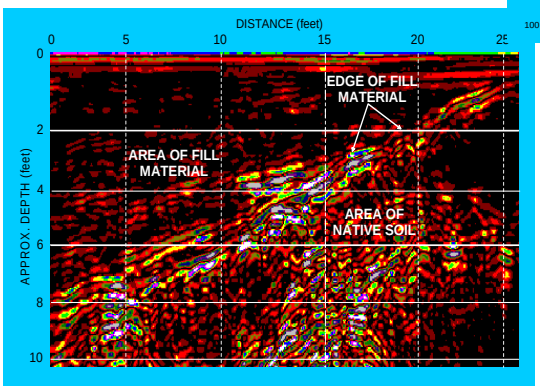


FIGURES

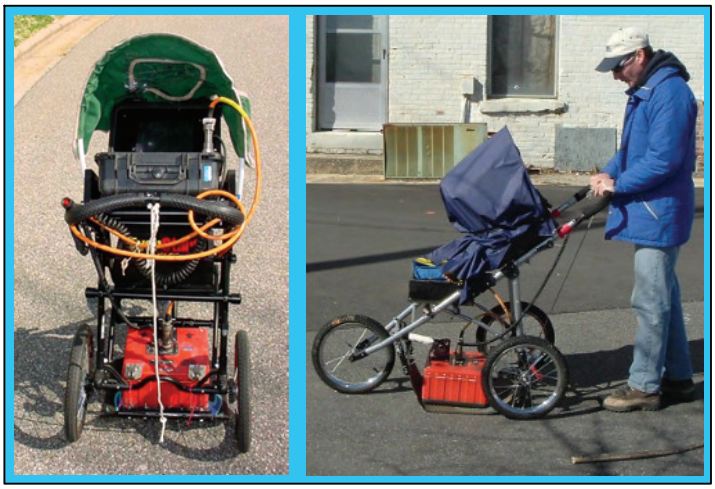
(on the following pages)

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 31 on March 1, 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 31 on March 8, 2011.

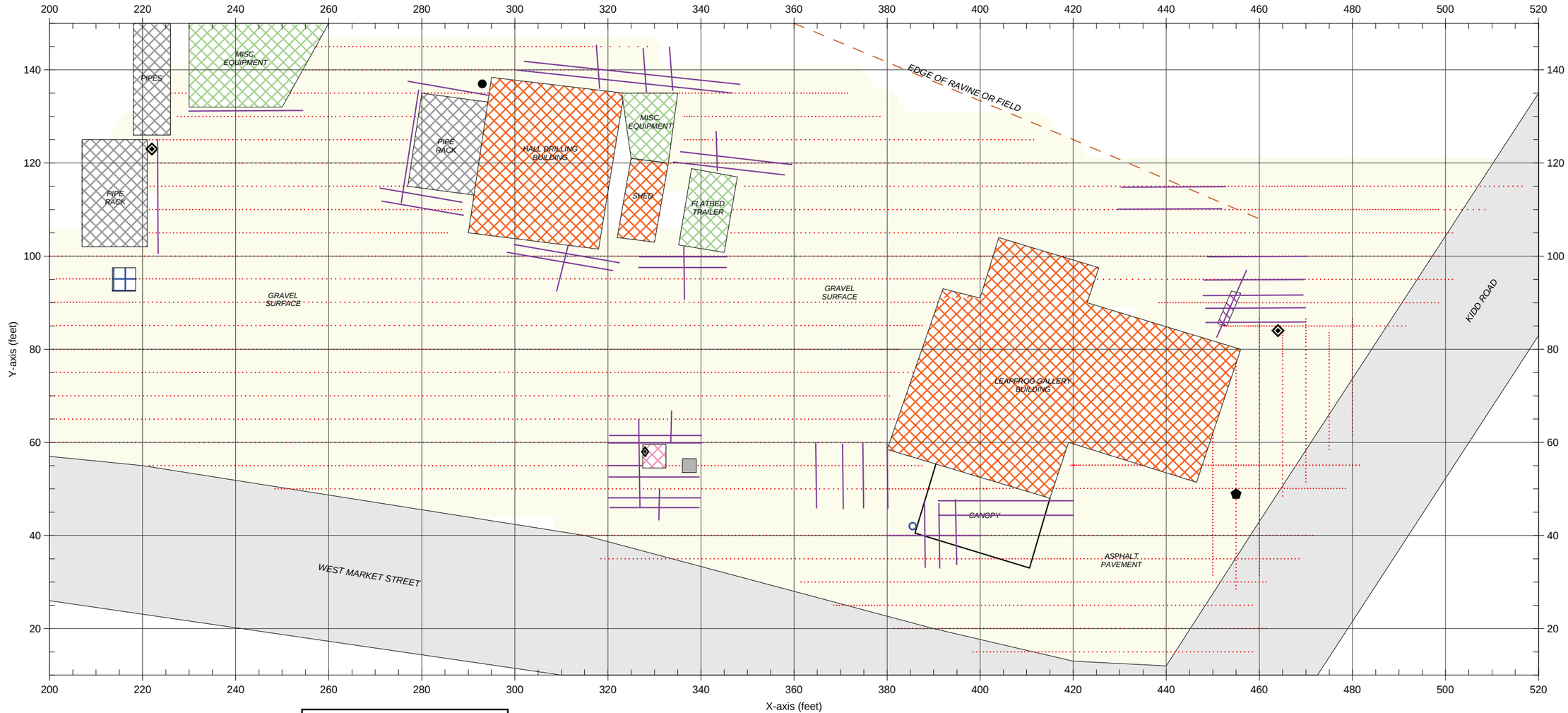
The photograph shows the proposed Right-of-Way portion of the Nancy Potts property located at the intersection of West Market Street and Kidd Road in Colfax, North Carolina. The photograph is viewed in a northeasterly direction.

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

CLIENT	SOLUTIONS-IES	DATE	03/15/11	DRWN	MJD
SITE	NANCY POTTS PROPERTY (PARCEL 31)	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
- PIPE RACK OR PIPES ON GROUND
- EQUIPMENT
- STORM SEWER GRATE & BOLLARDS
- CONCRETE SUPPORT ABUTMENT
- ROAD SIGN
- PROPOSED ROW MARKER
- BOLLARD
- UTILITY POLE
- MONITORING WELL
- DONATION BOX
- PROBABLE CONDUIT OR POSSIBLE UST
- 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 31) located at 9300 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 9300 West Market Street. The red dots represent the EM61 metal detection survey lines that were acquired on March 1, 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

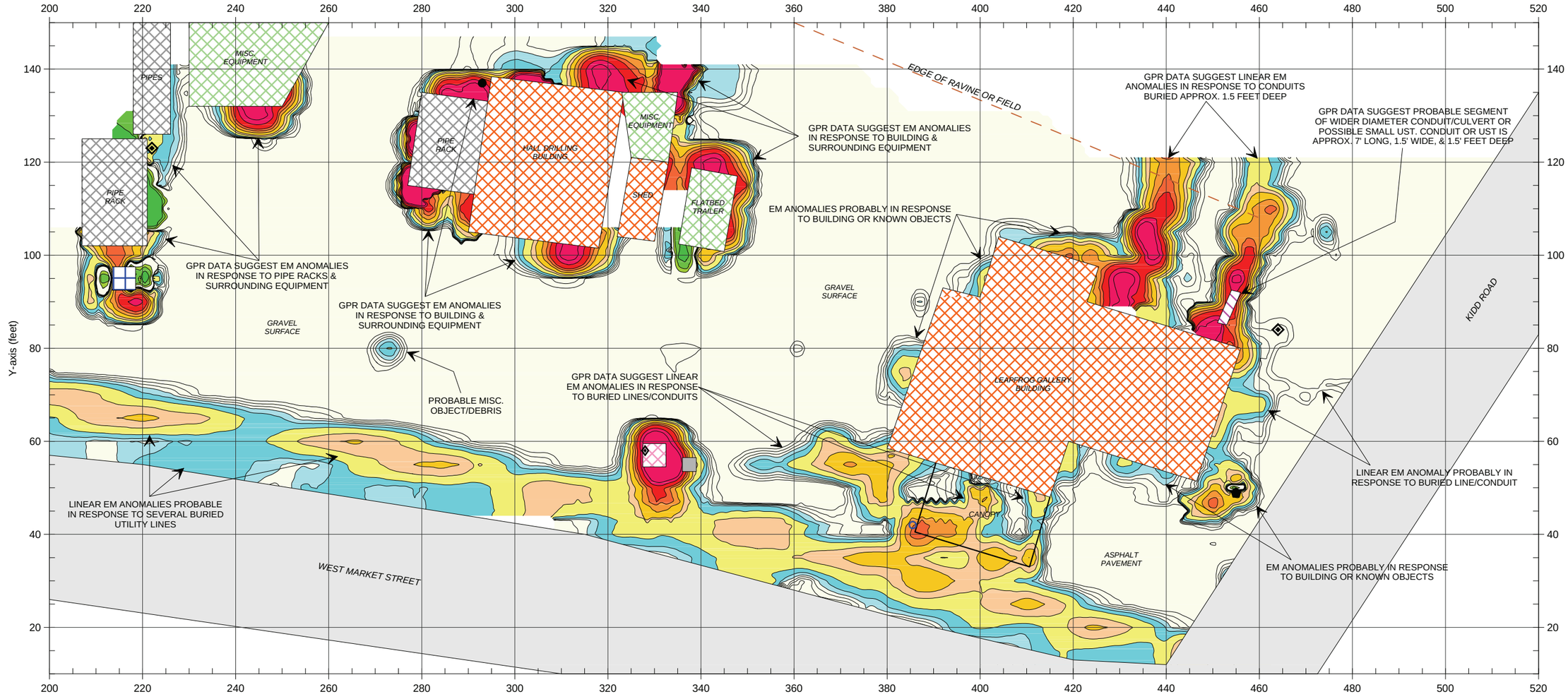
DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J.-NO.
03/15/11			2011-048

CLIENT: SOLUTIONS-IES
SITE: NANCY POTTS PROPERTY (PARCEL 31)
CITY: COLFAX
STATE: NORTH CAROLINA
TITLE: GEOPHYSICAL RESULTS

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

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
- PIPE RACK OR PIPES ON GROUND
- EQUIPMENT
- STORM SEWER GRATE & BOLLARDS
- CONCRETE SUPPORT ABUTMENT
- ROAD SIGN
- PROPOSED ROW MARKER
- BOLLARD
- UTILITY POLE
- MONITORING WELL
- DONATION BOX
- PROBABLE CONDUIT OR POSSIBLE UST

Note: The red polygon in the areial photograph represents the perimeter of the geophysical survey area at the Nancy Potts property (Parcel 31) located at 9300 West Market Street.

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 1, 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 a probable segment of wide diameter conduit or a possible UST may lie in the northeast portion of Parcel 31.

GRAPHIC SCALE IN FEET

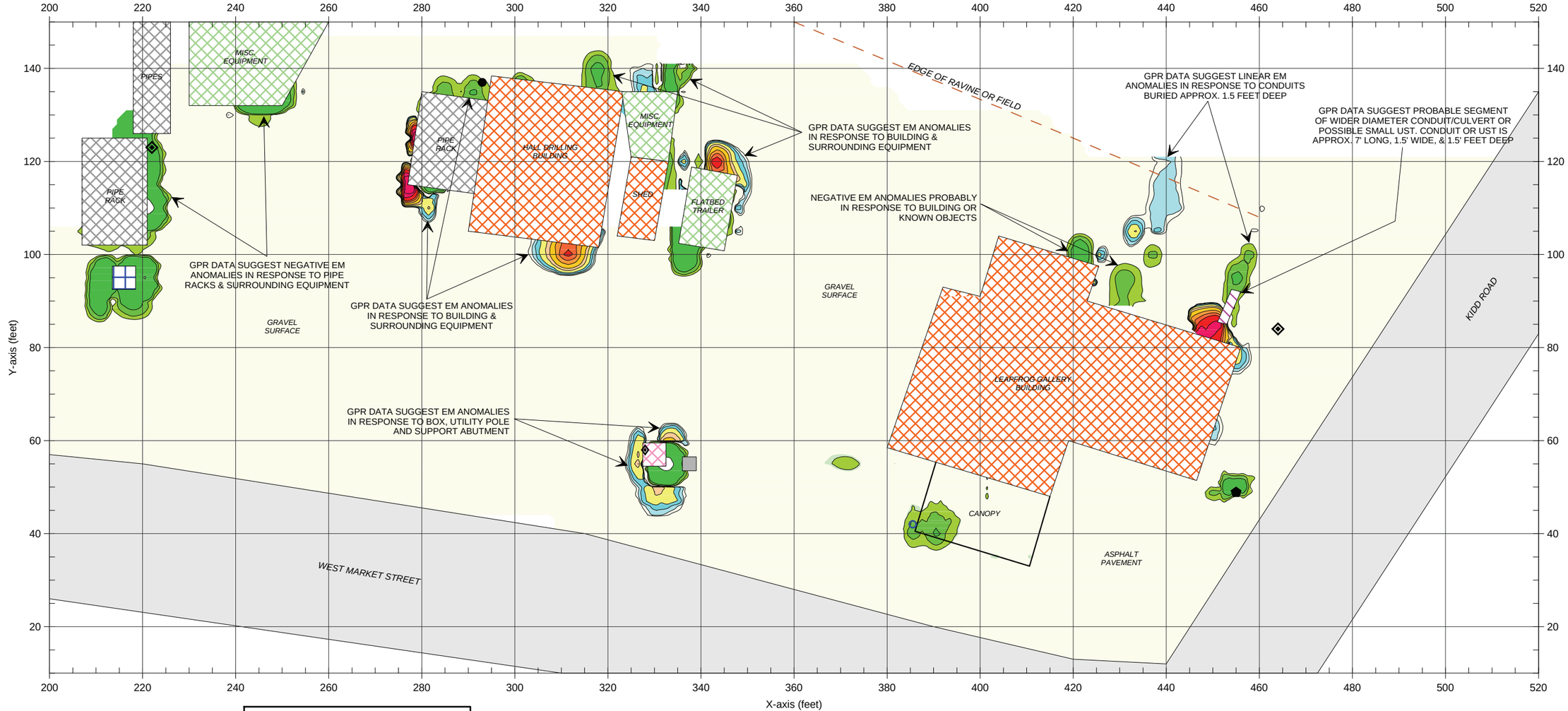
DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J.NO.
03/15/11			2011-048

CLIENT: SOLUTIONS-IES
SITE: NANCY POTTS PROPERTY (PARCEL 31)
CITY: COLFAX
STATE: NORTH CAROLINA
TITLE: 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
- PIPE RACK OR PIPES ON GROUND
- EQUIPMENT
- STORM SEWER GRATE & BOLLARDS
- CONCRETE SUPPORT ABUTMENT
- ROAD SIGN
- PROPOSED ROW MARKER
- BOLLARD
- UTILITY POLE
- MONITORING WELL
- DONATION BOX
- PROBABLE CONDUIT OR POSSIBLE UST

Note: The red polygon in the areial photograph represents the perimeter of the geophysical survey area at the Nancy Potts property (Parcel 31) located at 9300 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 1, 2011 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on March 08, 2011 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

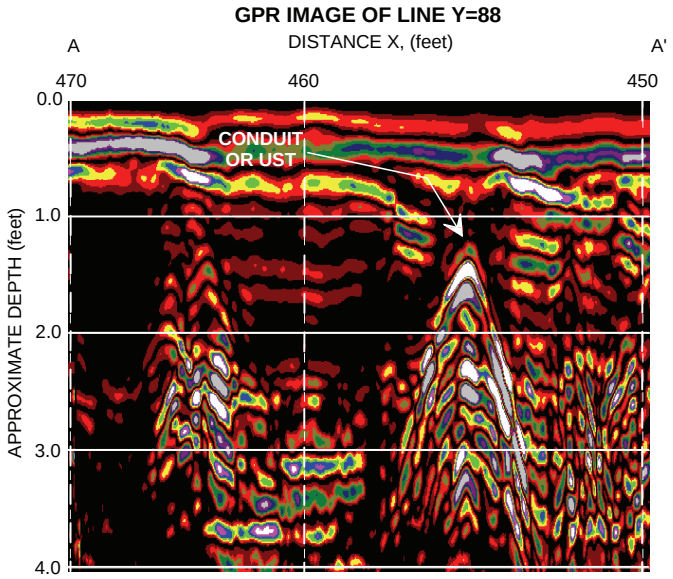
The geophysical investigation suggests that a probable segment of wide diameter conduit or a possible UST may lie in the northeast portion of Parcel 31.

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 31)
CITY: COLFAX
STATE: NORTH CAROLINA
TITLE: GEOPHYSICAL RESULTS

PYRAMID ENVIRONMENTAL & ENGINEERING, P.C.



The GPR image obtained along a portion of survey line Y=88 recorded a high amplitude, hyperbolic anomaly near grid line X=455 that is probably in response to a segment of wider diameter conduit or a possible metallic UST. Based on the GPR data the probable conduit or possible UST is approx. 7 feet long, 1.5 feet wide and buried 1.5 feet below present grade. The solid purple line labeled AA' in the photograph below represents the location of GPR survey line Y=88.

The orange rectangle in the photograph represents the approximate perimeter of a probable segment of wide diameter conduit or possible UST that is approximately 7 feet long, 1.5 feet wide and buried approximately 1.5 feet below present grade. The probable conduit or possible UST is centered near grid coordinates X=455 Y=87. The solid purple line labeled AA' in the photograph represents the approximate location of GPR image Y=88. The photograph is viewed in a southerly direction.

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

CLIENT	SOLUTIONS-IES	DATE	03/09/11	DRWN	MJD
SITE	NANCY POTTS PROPERTY (PARCEL 31)	LAY		CHKD	
CITY	COLFAX	STATE	NORTH CAROLINA	DWG	
TITLE	GEOPHYSICAL RESULTS	JNO	2011-048	FIGURE	

IMAGE OF GPR SURVEY
LINE Y=88

FIGURE 5

APPENDIX E

GPS COORDINATES

APPENDIX E
Boring Location GPS Coordinates
Parcel #31
930 / 9302 West Market Street
Colfax, Guilford County, North Carolina
WBS Element: 34482.1.1; State Project: R-2611

Boring Identification	Latitude	Longitude
31-1	36.11243547	-80.01326194
31-2	36.11232525	-80.01329756
31-3	36.11223741	-80.01318877
31-4	36.11209592	-80.01320436
31-5	36.11230941	-80.01317259
31-6	36.11225769	-80.01312381
31-7	36.11197011	-80.01302892
31-8	36.11207354	-80.01299431
31-9	36.11199182	-80.01302255
31-10	36.11207865	-80.01294636
31-11	36.11198687	-80.01280513
31-12	36.11198151	-80.01280035
31-13	36.11188788	-80.01288157
31-15	36.11196969	-80.01263078
31-16	36.11195108	-80.01262567
31-17	36.11196265	-80.01260824

APPENDIX F

BORING LOGS

Log of Soil Boring: 31-1

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861355.835**
Easting: **1700700.568**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/29/11**
Date Completed: **3/29/11**
Drilling Method: **Direct Push**
Initial Water Level: **3.1' bgs**
Final Water Level: **NA**
Sample Method: **MC**
Date & Time (i): **3/29/11**
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			
							0.00			
2			**SM** Moist, black sandy silt		50		0.10		31-1-1-3	
			CL Moist, red and brown silty clay				0.00			
4			No Recovery				0.10			
6			**CL** Saturated, brown silty clay		50		321			
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**

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

Log of Soil Boring: 31-2

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861315.82**
Easting: **1700689.637**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/29/11**
Date Completed: **3/30/11**
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			
		GW	Dry, black sand and gravel mix							
2		GC	Moist, red sandy gravelly clay		75		0.50	■	31-2-2-4	
		GC	Moist, brown gravelly clay							
4		GC	Very moist brown gravelly clay				253	■	31-2-4-6	
		CL	Saturated, brown sandy clay. Some plant and fill material							
6		CL	Very moist, brown sandy clay		100		80.1			
		CL	Moist, red silty clay							
8			No Recovery							
		CL	Saturated, brown silty clay				34	■	31-2-9-11	
		CL	Dry, red silty clay		90		22.2			
10							11.0			
12										

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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Raleigh, North Carolina 27607
Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 31-2

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861315.82**
Easting: **1700689.637**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/29/11**
Date Completed: **3/30/11**
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.
			No Recovery							
			CL Dry, red silty clay				20.1			
14			**CL** Dry, red silty clay		50		0.62		31-2-14-16	
16			End of Boring							
18										
20			Sample 31-2-2-4 represents upper level, unsaturated, non-detect sample. Sample 31-2-4-6 represents saturated sample with high FID reading. Sample 31-2-9-11 for unsaturated sample with elevated FID reading. Sample 31-2-14-16 represents lower level, unsaturated, non-detect sample. No FID reading was collected for 31-2-8-9.							
22										
24										

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: 31-3

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861283.516**
Easting: **1700721.445**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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** Moist, gray gravel				0.00			
			CL Dry, red silty clay		100		0.00			
2										
4							0.20			
6					100		0.15	■	31-3-6-8	
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: 31-4

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861232.058**
Easting: **1700716.314**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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							
		GW	Dry, gray gravel and sand				0.00			
2		CL	Dry, red silty clay		95		0.00			
4			No Recovery				0.00			
		CL	Dry, red silty clay		75					
6		SC	Dry, brown and tan silty, clayey sand				0.00		31-4-6-8	
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: 31-5

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861309.677**
Easting: **1700726.491**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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	0.00		Ground Surface							
0			No Recovery				0.00			
		GW	**GW** Dry, gray gravel and sand							
2		CL	**CL** Dry, red silty clay		75		0.00			
4							0.00			
6					100		0.00		31-5-6-8	
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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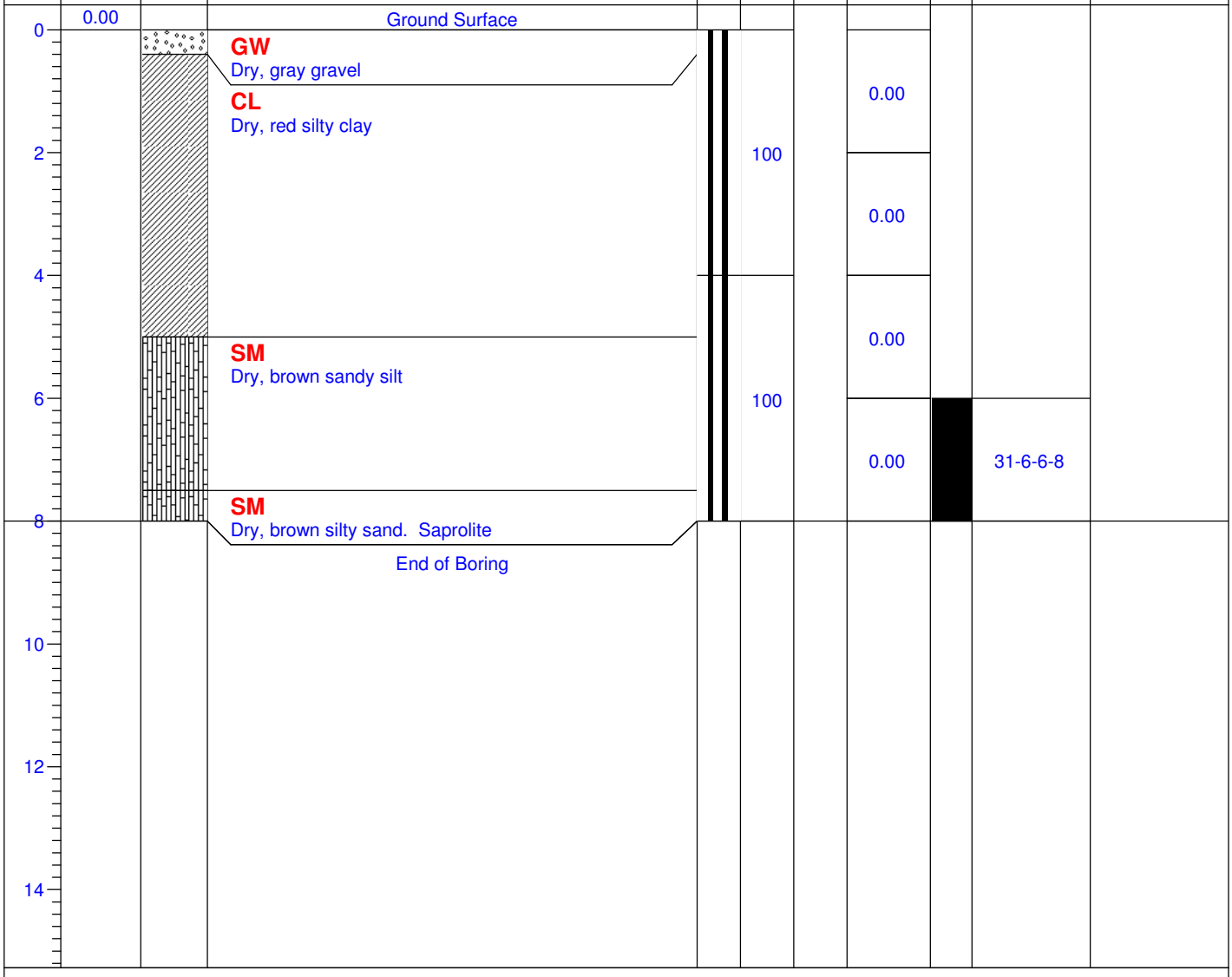
Log of Soil Boring: 31-6

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861290.703**
Easting: **1700740.707**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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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Log of Soil Boring: 31-7

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861185.732**
Easting: **1700767.667**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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							
2					100		0.00			
			SM Dry, brown sandy silt							
4			**CL** Dry, red silty clay				0.10			
6					100		0.42		31-7-6-8	
			SM Dry, gray and black sandy silt. Saprolite							
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: 31-8

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861223.278**
Easting: **1700778.274**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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		GW	Dry, gray gravel				0.00			
		CL	Dry, red silty clay							
2					100		0.00			
		CL	Dry, red micaceous clay							
4			No Recovery							
		CL	Dry, red silty clay				0.00			
6					90					
		SM	Dry, red and white sandy silt				0.57		31-8-6-8	
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: 31-9

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861193.615**
Easting: **1700769.629**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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							
			Asphalt Asphalt				0.00			
2			**SM** Dry, brown and tan silty sand. Saprolite		90		0.00			
4							0.12			
6					100		0.09		31-9-6-8	
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: 31-10

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861224.994**
Easting: **1700792.456**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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							0.00			
6					100					
			SM Dry, brown and tan silty sand				0.00		31-10-6-8	
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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Industrial & Environmental Services
1101 Nowell Road
Raleigh, North Carolina 27607
Tel.: 919.873.1060 Fax.: 919.813.1074

Log of Soil Boring: 31-11

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861191.158**
Easting: **1700833.831**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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			No Recovery				0.00			
2		SM	**SM** Dry, black sandy silt plant material		50		0.00			
		SM	**SM** Dry, brown and tan sandy silt. Saprolite							
4		GM	**GM** Dry, brown and tan silty sand. Gravelly saprolite				0.00			
6					100		0.00		31-11-6-8	
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: 31-12

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861189.193**
Easting: **1700835.223**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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							
			SM Dry, black sandy silt				0.00			
			CL Dry, red and orange silty clay		100		0.20			
4							0.00			
			SM Dry, brown and tan sandy silt. Saprolite		100		0.00		31-12-6-8	
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: 31-13

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861155.354**
Easting: **1700810.885**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
Date Started: **3/30/11**
Date Completed: **3/30/11**
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			**Asphalt** Asphalt				0.00			
2			**CL** Dry, red and orange silty clay		100		0.20			
4			**SM** Dry, tan sandy silt. Saprolite				0.00			
6					100		13.1		31-13-6-8	
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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Log of Soil Boring: 31-15

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861184.379**
Easting: **1700885.265**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
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			**SM** Dry, gray sandy silt				0.00			
2			**CL** Dry, orange and red silty clay		100		0.00			
4							0.00			
6					100		0.10			
8							0.00			
10			**SM** Dry, orange and tan sandy silt		100		0.30		31-15-10-12	
12			End of Boring							
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: 31-16

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861177.589**
Easting: **1700886.706**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
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		SM	Dry, black sandy silt				0.00			
		CL	Dry, orange silty clay		100					
2							0.00			
		CL	Dry, orange and red sandy clay							
4		CL	Dry, orange sandy clay				0.20			
		CL	Dry, orange micaceous clay with some silt and sand		100					
6							0.00			
8		CL	Dry, orange micaceous clay				0.30			
					100					
10		SM	Dry, tan sandy silt with some gravel / saprolite				0.30		31-16-10-12	
12			End of Boring							
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: 31-17

Project Name: **Guilford Co PSA**
Solutions-IES Project Number: **3948.11A3.NDOT**
Client: **NCDOT**
Northing: **861181.748**
Easting: **1700891.897**
Project Location: **Colfax, NC**
State: **NC**
County: **Guilford**
City: **Colfax**
Site or Area: **Parcel 31**
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, orange silty clay		100		0.00			
2		CL	Dry, red sandy mottled clay				0.00			
4		CL	Dry, orange and red silty clay		100		0.12			
6							0.00			
8					100		0.29			
10		SM	Dry, tan and white sandy silt. Saprolite				0.00		31-17-10-12	
12			End of Boring							
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 G

LABORATORY ANALYTICAL REPORT

Laboratory Report of Analysis

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

Report Number: **31100629**

Client Project: **3948 Guilford Parcel 31**

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 Michael D. Page 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.

Michael D. Page — Date
Project Manager
michael.page@sgs.com

Print Date: 04/18/2011

N.C. Certification # 481

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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5500 Business Drive, Wilmington, NC 28405
t 910.350.1903 f 910.350.1557 www.us.sgs.com
Member of SGS Group

Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
31-1-1-3	31100629001	03/29/2011 17:30	03/31/2011 10:10	Soil/Solid - dry
31-2-2-4	31100629002	03/29/2011 17:32	03/31/2011 10:10	Soil/Solid - dry
31-2-4-6	31100629003	03/30/2011 09:30	03/31/2011 10:10	Soil/Solid - dry
31-2-9-11	31100629004	03/30/2011 09:35	03/31/2011 10:10	Soil/Solid - dry
31-2-14-16	31100629005	03/30/2011 09:40	03/31/2011 10:10	Soil/Solid - dry
31-3-6-8	31100629006	03/30/2011 08:50	03/31/2011 10:10	Soil/Solid - dry
31-4-6-8	31100629007	03/30/2011 09:10	03/31/2011 10:10	Soil/Solid - dry
31-5-6-8	31100629008	03/30/2011 09:55	03/31/2011 10:10	Soil/Solid - dry
31-6-6-8	31100629009	03/30/2011 10:00	03/31/2011 10:10	Soil/Solid - dry
31-7-6-8	31100629010	03/30/2011 11:55	03/31/2011 10:10	Soil/Solid - dry
31-8-6-8	31100629011	03/30/2011 12:00	03/31/2011 10:10	Soil/Solid - dry
31-9-6-8	31100629012	03/30/2011 12:05	03/31/2011 10:10	Soil/Solid - dry
31-10-6-8	31100629013	03/30/2011 12:10	03/31/2011 10:10	Soil/Solid - dry
31-11-6-8	31100629014	03/30/2011 12:20	03/31/2011 10:10	Soil/Solid - dry
31-12-6-8	31100629015	03/30/2011 12:30	03/31/2011 10:10	Soil/Solid - dry
31-13-6-8	31100629016	03/30/2011 12:40	03/31/2011 10:10	Soil/Solid - dry
31-15-10-12	31100629017	03/29/2011 15:45	03/31/2011 10:10	Soil/Solid - dry
31-16-10-12	31100629018	03/29/2011 15:20	03/31/2011 10:10	Soil/Solid - dry
31-17-10-12	31100629019	03/29/2011 16:15	03/31/2011 10:10	Soil/Solid - dry

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Results of **31-1-1-3**

Client Sample ID: **31-1-1-3**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629001-E
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		4.67	mg/kg	1
C9-C12 Aliphatic	ND		4.67	mg/kg	1
C9-C10 Aromatic	ND		4.67	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	89.0		70.0-130	%	1
PID - 4-Bromofluorobenzene	80.0		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1140**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/14/2011 19:09**

Prep Batch: **VXX1337**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/14/2011 13:29**
Prep Initial Wt./Vol.: **7.07 g**
Prep Extract Vol: **5 mL**

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Results of **31-1-1-3**

Client Sample ID: **31-1-1-3**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629001-C
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		4.60	ug/Kg	1
1,1,1-Trichloroethane	ND		4.60	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		4.60	ug/Kg	1
1,1,2-Trichloroethane	ND		4.60	ug/Kg	1
1,1-Dichloroethane	ND		4.60	ug/Kg	1
1,1-Dichloroethene	ND		4.60	ug/Kg	1
1,1-Dichloropropene	ND		4.60	ug/Kg	1
1,2,3-Trichlorobenzene	ND		4.60	ug/Kg	1
1,2,3-Trichloropropane	ND		4.60	ug/Kg	1
1,2,4-Trichlorobenzene	ND		4.60	ug/Kg	1
1,2,4-Trimethylbenzene	ND		4.60	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		27.6	ug/Kg	1
1,2-Dibromoethane	ND		4.60	ug/Kg	1
1,2-Dichlorobenzene	ND		4.60	ug/Kg	1
1,2-Dichloroethane	ND		4.60	ug/Kg	1
1,2-Dichloropropane	ND		4.60	ug/Kg	1
1,3,5-Trimethylbenzene	ND		4.60	ug/Kg	1
1,3-Dichlorobenzene	ND		4.60	ug/Kg	1
1,3-Dichloropropane	ND		4.60	ug/Kg	1
1,4-Dichlorobenzene	ND		4.60	ug/Kg	1
2,2-Dichloropropane	ND		4.60	ug/Kg	1
2-Butanone	ND		23.0	ug/Kg	1
2-Chlorotoluene	ND		4.60	ug/Kg	1
2-Hexanone	ND		11.5	ug/Kg	1
4-Chlorotoluene	ND		4.60	ug/Kg	1
4-Isopropyltoluene	ND		4.60	ug/Kg	1
4-Methyl-2-pentanone	ND		11.5	ug/Kg	1
Acetone	ND		46.0	ug/Kg	1
Benzene	ND		4.60	ug/Kg	1
Bromobenzene	ND		4.60	ug/Kg	1
Bromochloromethane	ND		4.60	ug/Kg	1
Bromodichloromethane	ND		4.60	ug/Kg	1
Bromoform	ND		4.60	ug/Kg	1
Bromomethane	ND		4.60	ug/Kg	1
n-Butylbenzene	ND		4.60	ug/Kg	1
Carbon disulfide	ND		4.60	ug/Kg	1
Carbon tetrachloride	ND		4.60	ug/Kg	1
Chlorobenzene	ND		4.60	ug/Kg	1
Chloroethane	ND		4.60	ug/Kg	1
Chloroform	ND		4.60	ug/Kg	1
Chloromethane	ND		4.60	ug/Kg	1
Dibromochloromethane	ND		4.60	ug/Kg	1
Dibromomethane	ND		4.60	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-1-1-3**

Client Sample ID: **31-1-1-3**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629001-C
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		4.60	ug/Kg	1
trans-1,3-Dichloropropene	ND		4.60	ug/Kg	1
Diisopropyl Ether	ND		4.60	ug/Kg	1
Ethyl Benzene	ND		4.60	ug/Kg	1
Hexachlorobutadiene	ND		4.60	ug/Kg	1
Isopropylbenzene (Cumene)	ND		4.60	ug/Kg	1
Methyl iodide	ND		4.60	ug/Kg	1
Methylene chloride	ND		18.4	ug/Kg	1
Naphthalene	ND		4.60	ug/Kg	1
Styrene	ND		4.60	ug/Kg	1
Tetrachloroethene	ND		4.60	ug/Kg	1
Toluene	ND		4.60	ug/Kg	1
Trichloroethene	ND		4.60	ug/Kg	1
Trichlorofluoromethane	ND		4.60	ug/Kg	1
Vinyl chloride	ND		4.60	ug/Kg	1
cis-1,2-Dichloroethene	ND		4.60	ug/Kg	1
m,p-Xylene	ND		9.20	ug/Kg	1
n-Propylbenzene	ND		4.60	ug/Kg	1
o-Xylene	ND		4.60	ug/Kg	1
sec-Butylbenzene	ND		4.60	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		4.60	ug/Kg	1
tert-Butylbenzene	ND		4.60	ug/Kg	1
trans-1,2-Dichloroethene	ND		4.60	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		23.0	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	112		55.0-173	%	1
4-Bromofluorobenzene	90.0		23.0-141	%	1
Toluene d8	90.0		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1121**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **04/04/2011 10:53**

Prep Batch: **VXX1274**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/04/2011 00:00**
Prep Initial Wt./Vol.: **7.18 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-1-1-3**

Client Sample ID: **31-1-1-3**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629001
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		16.6	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		5.92	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		7.93	mg/kg	1
Surrogates					
n-Tricosane	98.0		40.0-140	%	1
o-Terphenyl	90.0		40.0-140	%	1
2-Bromonaphthalene	110		40.0-140	%	1
2-Fluorobiphenyl	111		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/08/2011 18:13**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **13.39 g**
Prep Extract Vol: **10 mL**

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Results of **31-1-1-3**

Client Sample ID: **31-1-1-3**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629001-F
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		411	ug/Kg	1
1,2-Dichlorobenzene	ND		411	ug/Kg	1
1,3-Dichlorobenzene	ND		411	ug/Kg	1
1,4-Dichlorobenzene	ND		411	ug/Kg	1
2,4,5-Trichlorophenol	ND		411	ug/Kg	1
2,4,6-Trichlorophenol	ND		411	ug/Kg	1
2,4-Dichlorophenol	ND		411	ug/Kg	1
2,4-Dinitrophenol	ND		822	ug/Kg	1
2,4-Dinitrotoluene	ND		411	ug/Kg	1
2,6-Dinitrotoluene	ND		411	ug/Kg	1
2-Chloronaphthalene	ND		411	ug/Kg	1
2-Chlorophenol	ND		411	ug/Kg	1
2-Methylnaphthalene	ND		411	ug/Kg	1
2-Methylphenol	ND		411	ug/Kg	1
2-Nitroaniline	ND		411	ug/Kg	1
2-Nitrophenol	ND		411	ug/Kg	1
3 and/or 4-Methylphenol	ND		411	ug/Kg	1
3,3'-Dichlorobenzidine	ND		411	ug/Kg	1
3-Nitroaniline	ND		411	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		411	ug/Kg	1
4-Chloro-3-methylphenol	ND		411	ug/Kg	1
4-Chloroaniline	ND		411	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		411	ug/Kg	1
Acenaphthene	ND		411	ug/Kg	1
Acenaphthylene	ND		411	ug/Kg	1
Anthracene	ND		411	ug/Kg	1
Benzo(a)anthracene	ND		411	ug/Kg	1
Benzo(a)pyrene	ND		411	ug/Kg	1
Benzo(b)fluoranthene	ND		411	ug/Kg	1
Benzo(g,h,i)perylene	ND		411	ug/Kg	1
Benzo(k)fluoranthene	ND		411	ug/Kg	1
Benzoic acid	ND		411	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		411	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		411	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		411	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		411	ug/Kg	1
4-Bromophenyl phenyl ether	ND		411	ug/Kg	1
Butyl benzyl phthalate	ND		411	ug/Kg	1
Chrysene	ND		411	ug/Kg	1
Di-n-butyl phthalate	ND		411	ug/Kg	1
Di-n-octyl phthalate	ND		411	ug/Kg	1
Dibenz(a,h)anthracene	ND		411	ug/Kg	1
Dibenzofuran	ND		411	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-1-1-3**

Client Sample ID: **31-1-1-3**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629001-F
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		411	ug/Kg	1
Dimethyl phthalate	ND		411	ug/Kg	1
2,4-Dimethylphenol	ND		411	ug/Kg	1
Diphenylamine	ND		411	ug/Kg	1
Fluoranthene	ND		411	ug/Kg	1
Fluorene	ND		411	ug/Kg	1
Hexachlorobenzene	ND		411	ug/Kg	1
Hexachlorobutadiene	ND		411	ug/Kg	1
Hexachlorocyclopentadiene	ND		411	ug/Kg	1
Hexachloroethane	ND		411	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		411	ug/Kg	1
Isophorone	ND		411	ug/Kg	1
Naphthalene	ND		411	ug/Kg	1
4-Nitroaniline	ND		411	ug/Kg	1
Nitrobenzene	ND		411	ug/Kg	1
4-Nitrophenol	ND		411	ug/Kg	1
Pentachlorophenol	ND		411	ug/Kg	1
Phenanthrene	ND		411	ug/Kg	1
Phenol	ND		411	ug/Kg	1
Pyrene	ND		411	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		411	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	65.0		41.0-129	%	1
2-Fluorobiphenyl	78.0		48.0-123	%	1
2-Fluorophenol	86.0		42.0-123	%	1
Nitrobenzene-d5	85.0		46.0-117	%	1
Phenol-d6	85.0		48.0-125	%	1
Terphenyl-d14	91.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1060**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/04/2011 22:27**

Prep Batch: **XXX1179**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.17 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-2-2-4**

Client Sample ID: **31-2-2-4**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629002-E
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:32
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 71

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		5.36	mg/kg	1
C9-C12 Aliphatic	ND		5.36	mg/kg	1
C9-C10 Aromatic	ND		5.36	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	96.0		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 03:59**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **6.54 g**
Prep Extract Vol: **5 mL**

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Results of **31-2-2-4**

Client Sample ID: **31-2-2-4**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629002-C
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:32
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 71

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		5.25	ug/Kg	1
1,1,1-Trichloroethane	ND		5.25	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		5.25	ug/Kg	1
1,1,2-Trichloroethane	ND		5.25	ug/Kg	1
1,1-Dichloroethane	ND		5.25	ug/Kg	1
1,1-Dichloroethene	ND		5.25	ug/Kg	1
1,1-Dichloropropene	ND		5.25	ug/Kg	1
1,2,3-Trichlorobenzene	ND		5.25	ug/Kg	1
1,2,3-Trichloropropane	ND		5.25	ug/Kg	1
1,2,4-Trichlorobenzene	ND		5.25	ug/Kg	1
1,2,4-Trimethylbenzene	ND		5.25	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		31.5	ug/Kg	1
1,2-Dibromoethane	ND		5.25	ug/Kg	1
1,2-Dichlorobenzene	ND		5.25	ug/Kg	1
1,2-Dichloroethane	ND		5.25	ug/Kg	1
1,2-Dichloropropane	ND		5.25	ug/Kg	1
1,3,5-Trimethylbenzene	ND		5.25	ug/Kg	1
1,3-Dichlorobenzene	ND		5.25	ug/Kg	1
1,3-Dichloropropane	ND		5.25	ug/Kg	1
1,4-Dichlorobenzene	ND		5.25	ug/Kg	1
2,2-Dichloropropane	ND		5.25	ug/Kg	1
2-Butanone	ND		26.2	ug/Kg	1
2-Chlorotoluene	ND		5.25	ug/Kg	1
2-Hexanone	ND		13.1	ug/Kg	1
4-Chlorotoluene	ND		5.25	ug/Kg	1
4-Isopropyltoluene	ND		5.25	ug/Kg	1
4-Methyl-2-pentanone	ND		13.1	ug/Kg	1
Acetone	ND		52.5	ug/Kg	1
Benzene	ND		5.25	ug/Kg	1
Bromobenzene	ND		5.25	ug/Kg	1
Bromochloromethane	ND		5.25	ug/Kg	1
Bromodichloromethane	ND		5.25	ug/Kg	1
Bromoform	ND		5.25	ug/Kg	1
Bromomethane	ND		5.25	ug/Kg	1
n-Butylbenzene	ND		5.25	ug/Kg	1
Carbon disulfide	ND		5.25	ug/Kg	1
Carbon tetrachloride	ND		5.25	ug/Kg	1
Chlorobenzene	ND		5.25	ug/Kg	1
Chloroethane	ND		5.25	ug/Kg	1
Chloroform	ND		5.25	ug/Kg	1
Chloromethane	ND		5.25	ug/Kg	1
Dibromochloromethane	ND		5.25	ug/Kg	1
Dibromomethane	ND		5.25	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-2-2-4**

Client Sample ID: **31-2-2-4**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629002-C
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:32
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 71

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		5.25	ug/Kg	1
trans-1,3-Dichloropropene	ND		5.25	ug/Kg	1
Diisopropyl Ether	ND		5.25	ug/Kg	1
Ethyl Benzene	ND		5.25	ug/Kg	1
Hexachlorobutadiene	ND		5.25	ug/Kg	1
Isopropylbenzene (Cumene)	ND		5.25	ug/Kg	1
Methyl iodide	ND		5.25	ug/Kg	1
Methylene chloride	ND		21.0	ug/Kg	1
Naphthalene	ND		5.25	ug/Kg	1
Styrene	ND		5.25	ug/Kg	1
Tetrachloroethene	ND		5.25	ug/Kg	1
Toluene	ND		5.25	ug/Kg	1
Trichloroethene	ND		5.25	ug/Kg	1
Trichlorofluoromethane	ND		5.25	ug/Kg	1
Vinyl chloride	ND		5.25	ug/Kg	1
cis-1,2-Dichloroethene	ND		5.25	ug/Kg	1
m,p-Xylene	ND		10.5	ug/Kg	1
n-Propylbenzene	ND		5.25	ug/Kg	1
o-Xylene	ND		5.25	ug/Kg	1
sec-Butylbenzene	ND		5.25	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		5.25	ug/Kg	1
tert-Butylbenzene	ND		5.25	ug/Kg	1
trans-1,2-Dichloroethene	ND		5.25	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		26.2	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	139		55.0-173	%	1
4-Bromofluorobenzene	118		23.0-141	%	1
Toluene d8	98.0		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1120**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 16:23**

Prep Batch: **VXX1270**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **6.68 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

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Results of **31-2-2-4**

Client Sample ID: **31-2-2-4**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629002-A
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:32
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 71

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	**65.9**		18.6	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		6.63	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		8.89	mg/kg	1
Surrogates					
n-Tricosane	97.0		40.0-140	%	1
o-Terphenyl	101		40.0-140	%	1
2-Bromonaphthalene	122		40.0-140	%	1
2-Fluorobiphenyl	123		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/08/2011 21:03**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12.69 g**
Prep Extract Vol: **10 mL**

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Results of **31-2-2-4**

Client Sample ID: **31-2-2-4**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629002-F
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:32
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 71

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		433	ug/Kg	1
1,2-Dichlorobenzene	ND		433	ug/Kg	1
1,3-Dichlorobenzene	ND		433	ug/Kg	1
1,4-Dichlorobenzene	ND		433	ug/Kg	1
2,4,5-Trichlorophenol	ND		433	ug/Kg	1
2,4,6-Trichlorophenol	ND		433	ug/Kg	1
2,4-Dichlorophenol	ND		433	ug/Kg	1
2,4-Dinitrophenol	ND		865	ug/Kg	1
2,4-Dinitrotoluene	ND		433	ug/Kg	1
2,6-Dinitrotoluene	ND		433	ug/Kg	1
2-Chloronaphthalene	ND		433	ug/Kg	1
2-Chlorophenol	ND		433	ug/Kg	1
2-Methylnaphthalene	ND		433	ug/Kg	1
2-Methylphenol	ND		433	ug/Kg	1
2-Nitroaniline	ND		433	ug/Kg	1
2-Nitrophenol	ND		433	ug/Kg	1
3 and/or 4-Methylphenol	ND		433	ug/Kg	1
3,3'-Dichlorobenzidine	ND		433	ug/Kg	1
3-Nitroaniline	ND		433	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		433	ug/Kg	1
4-Chloro-3-methylphenol	ND		433	ug/Kg	1
4-Chloroaniline	ND		433	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		433	ug/Kg	1
Acenaphthene	ND		433	ug/Kg	1
Acenaphthylene	ND		433	ug/Kg	1
Anthracene	ND		433	ug/Kg	1
Benzo(a)anthracene	ND		433	ug/Kg	1
Benzo(a)pyrene	ND		433	ug/Kg	1
Benzo(b)fluoranthene	ND		433	ug/Kg	1
Benzo(g,h,i)perylene	ND		433	ug/Kg	1
Benzo(k)fluoranthene	ND		433	ug/Kg	1
Benzoic acid	ND		433	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		433	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		433	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		433	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		433	ug/Kg	1
4-Bromophenyl phenyl ether	ND		433	ug/Kg	1
Butyl benzyl phthalate	ND		433	ug/Kg	1
Chrysene	ND		433	ug/Kg	1
Di-n-butyl phthalate	ND		433	ug/Kg	1
Di-n-octyl phthalate	ND		433	ug/Kg	1
Dibenz(a,h)anthracene	ND		433	ug/Kg	1
Dibenzofuran	ND		433	ug/Kg	1

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Results of **31-2-2-4**

Client Sample ID: **31-2-2-4**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629002-F
Lab Project ID: 31100629

Collection Date: 03/29/2011 17:32
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 71

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		433	ug/Kg	1
Dimethyl phthalate	ND		433	ug/Kg	1
2,4-Dimethylphenol	ND		433	ug/Kg	1
Diphenylamine	ND		433	ug/Kg	1
Fluoranthene	ND		433	ug/Kg	1
Fluorene	ND		433	ug/Kg	1
Hexachlorobenzene	ND		433	ug/Kg	1
Hexachlorobutadiene	ND		433	ug/Kg	1
Hexachlorocyclopentadiene	ND		433	ug/Kg	1
Hexachloroethane	ND		433	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		433	ug/Kg	1
Isophorone	ND		433	ug/Kg	1
Naphthalene	ND		433	ug/Kg	1
4-Nitroaniline	ND		433	ug/Kg	1
Nitrobenzene	ND		433	ug/Kg	1
4-Nitrophenol	ND		433	ug/Kg	1
Pentachlorophenol	ND		433	ug/Kg	1
Phenanthrene	ND		433	ug/Kg	1
Phenol	ND		433	ug/Kg	1
Pyrene	ND		433	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		433	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	81.0		41.0-129	%	1
2-Fluorobiphenyl	87.0		48.0-123	%	1
2-Fluorophenol	97.0		42.0-123	%	1
Nitrobenzene-d5	96.0		46.0-117	%	1
Phenol-d6	97.0		48.0-125	%	1
Terphenyl-d14	94.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1060**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/04/2011 22:51**

Prep Batch: **XXX1179**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.42 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-2-4-6**

Client Sample ID: **31-2-4-6**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629003-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 67

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		5.82	mg/kg	1
C9-C12 Aliphatic	**7.69**		5.82	mg/kg	1
C9-C10 Aromatic	**6.26**		5.82	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 04:25**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **6.43 g**
Prep Extract Vol: **5 mL**

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Results of **31-2-4-6**

Client Sample ID: **31-2-4-6**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629003-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 67

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		218	ug/Kg	200
1,1,1-Trichloroethane	ND		218	ug/Kg	200
1,1,2,2-Tetrachloroethane	ND		218	ug/Kg	200
1,1,2-Trichloroethane	ND		218	ug/Kg	200
1,1-Dichloroethane	ND		218	ug/Kg	200
1,1-Dichloroethene	ND		218	ug/Kg	200
1,1-Dichloropropene	ND		218	ug/Kg	200
1,2,3-Trichlorobenzene	ND		218	ug/Kg	200
1,2,3-Trichloropropane	ND		218	ug/Kg	200
1,2,4-Trichlorobenzene	ND		218	ug/Kg	200
1,2,4-Trimethylbenzene	ND		218	ug/Kg	200
1,2-Dibromo-3-chloropropane	ND		1090	ug/Kg	200
1,2-Dibromoethane	ND		218	ug/Kg	200
1,2-Dichlorobenzene	ND		218	ug/Kg	200
1,2-Dichloroethane	ND		218	ug/Kg	200
1,2-Dichloropropane	ND		218	ug/Kg	200
1,3,5-Trimethylbenzene	ND		218	ug/Kg	200
1,3-Dichlorobenzene	ND		218	ug/Kg	200
1,3-Dichloropropane	ND		218	ug/Kg	200
1,4-Dichlorobenzene	ND		218	ug/Kg	200
2,2-Dichloropropane	ND		218	ug/Kg	200
2-Butanone	ND		5450	ug/Kg	200
2-Chlorotoluene	ND		218	ug/Kg	200
2-Hexanone	ND		1090	ug/Kg	200
4-Chlorotoluene	ND		218	ug/Kg	200
4-Isopropyltoluene	**7120**		218	ug/Kg	200
4-Methyl-2-pentanone	ND		1090	ug/Kg	200
Acetone	ND		5450	ug/Kg	200
Benzene	ND		218	ug/Kg	200
Bromobenzene	ND		218	ug/Kg	200
Bromochloromethane	ND		218	ug/Kg	200
Bromodichloromethane	ND		218	ug/Kg	200
Bromoform	ND		218	ug/Kg	200
Bromomethane	ND		218	ug/Kg	200
n-Butylbenzene	ND		218	ug/Kg	200
Carbon disulfide	ND		218	ug/Kg	200
Carbon tetrachloride	ND		218	ug/Kg	200
Chlorobenzene	ND		218	ug/Kg	200
Chloroethane	ND		218	ug/Kg	200
Chloroform	ND		218	ug/Kg	200
Chloromethane	ND		218	ug/Kg	200
Dibromochloromethane	ND		218	ug/Kg	200
Dibromomethane	ND		218	ug/Kg	200

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Results of **31-2-4-6**

Client Sample ID: **31-2-4-6**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629003-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 67

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		218	ug/Kg	200
trans-1,3-Dichloropropene	ND		218	ug/Kg	200
Diisopropyl Ether	ND		218	ug/Kg	200
Ethyl Benzene	ND		218	ug/Kg	200
Hexachlorobutadiene	ND		218	ug/Kg	200
Isopropylbenzene (Cumene)	ND		218	ug/Kg	200
Methyl iodide	ND		218	ug/Kg	200
Methylene chloride	ND		1090	ug/Kg	200
Naphthalene	ND		218	ug/Kg	200
Styrene	ND		218	ug/Kg	200
Tetrachloroethene	ND		218	ug/Kg	200
Toluene	ND		218	ug/Kg	200
Trichloroethene	ND		218	ug/Kg	200
Trichlorofluoromethane	ND		218	ug/Kg	200
Vinyl chloride	ND		218	ug/Kg	200
cis-1,2-Dichloroethene	ND		218	ug/Kg	200
m,p-Xylene	ND		436	ug/Kg	200
n-Propylbenzene	ND		218	ug/Kg	200
o-Xylene	ND		218	ug/Kg	200
sec-Butylbenzene	ND		218	ug/Kg	200
tert-Butyl methyl ether (MTBE)	ND		218	ug/Kg	200
tert-Butylbenzene	ND		218	ug/Kg	200
trans-1,2-Dichloroethene	ND		218	ug/Kg	200
trans-1,4-Dichloro-2-butene	ND		1090	ug/Kg	200
Surrogates					
1,2-Dichloroethane-d4	91.0		55.0-173	%	200
4-Bromofluorobenzene	103		23.0-141	%	200
Toluene d8	101		57.0-134	%	200

Batch Information

Analytical Batch: **VMS1118**
Analytical Method: **SW-846 8260B**
Instrument: **MSD3**
Analyst: **BWS**
Analytical Date/Time: **04/01/2011 20:38**

Prep Batch: **VXX1268**
Prep Method: **SW-846 5035 SM**
Prep Date/Time: **04/01/2011 00:00**
Prep Initial Wt./Vol.: **6.86 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

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Results of **31-2-4-6**

Client Sample ID: **31-2-4-6**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629003-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 67

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	**62.0**		19.2	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	**16.6**		6.85	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	**140**		9.18	mg/kg	1
Surrogates					
n-Tricosane	98.0		40.0-140	%	1
o-Terphenyl	87.0		40.0-140	%	1
2-Bromonaphthalene	107		40.0-140	%	1
2-Fluorobiphenyl	107		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/08/2011 21:59**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **13.11 g**
Prep Extract Vol: **10 mL**

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Results of **31-2-4-6**

Client Sample ID: **31-2-4-6**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629003-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 67

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		461	ug/Kg	1
1,2-Dichlorobenzene	ND		461	ug/Kg	1
1,3-Dichlorobenzene	ND		461	ug/Kg	1
1,4-Dichlorobenzene	ND		461	ug/Kg	1
2,4,5-Trichlorophenol	ND		461	ug/Kg	1
2,4,6-Trichlorophenol	ND		461	ug/Kg	1
2,4-Dichlorophenol	ND		461	ug/Kg	1
2,4-Dinitrophenol	ND		920	ug/Kg	1
2,4-Dinitrotoluene	ND		461	ug/Kg	1
2,6-Dinitrotoluene	ND		461	ug/Kg	1
2-Chloronaphthalene	ND		461	ug/Kg	1
2-Chlorophenol	ND		461	ug/Kg	1
2-Methylnaphthalene	ND		461	ug/Kg	1
2-Methylphenol	ND		461	ug/Kg	1
2-Nitroaniline	ND		461	ug/Kg	1
2-Nitrophenol	ND		461	ug/Kg	1
3 and/or 4-Methylphenol	ND		461	ug/Kg	1
3,3'-Dichlorobenzidine	ND		461	ug/Kg	1
3-Nitroaniline	ND		461	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		461	ug/Kg	1
4-Chloro-3-methylphenol	ND		461	ug/Kg	1
4-Chloroaniline	ND		461	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		461	ug/Kg	1
Acenaphthene	ND		461	ug/Kg	1
Acenaphthylene	ND		461	ug/Kg	1
Anthracene	ND		461	ug/Kg	1
Benzo(a)anthracene	ND		461	ug/Kg	1
Benzo(a)pyrene	ND		461	ug/Kg	1
Benzo(b)fluoranthene	ND		461	ug/Kg	1
Benzo(g,h,i)perylene	ND		461	ug/Kg	1
Benzo(k)fluoranthene	ND		461	ug/Kg	1
Benzoic acid	ND		461	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		461	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		461	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		461	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		461	ug/Kg	1
4-Bromophenyl phenyl ether	ND		461	ug/Kg	1
Butyl benzyl phthalate	ND		461	ug/Kg	1
Chrysene	ND		461	ug/Kg	1
Di-n-butyl phthalate	ND		461	ug/Kg	1
Di-n-octyl phthalate	ND		461	ug/Kg	1
Dibenz(a,h)anthracene	ND		461	ug/Kg	1
Dibenzofuran	ND		461	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-2-4-6**

Client Sample ID: **31-2-4-6**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629003-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 67

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		461	ug/Kg	1
Dimethyl phthalate	ND		461	ug/Kg	1
2,4-Dimethylphenol	ND		461	ug/Kg	1
Diphenylamine	ND		461	ug/Kg	1
Fluoranthene	ND		461	ug/Kg	1
Fluorene	ND		461	ug/Kg	1
Hexachlorobenzene	ND		461	ug/Kg	1
Hexachlorobutadiene	ND		461	ug/Kg	1
Hexachlorocyclopentadiene	ND		461	ug/Kg	1
Hexachloroethane	ND		461	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		461	ug/Kg	1
Isophorone	ND		461	ug/Kg	1
Naphthalene	ND		461	ug/Kg	1
4-Nitroaniline	ND		461	ug/Kg	1
Nitrobenzene	ND		461	ug/Kg	1
4-Nitrophenol	ND		461	ug/Kg	1
Pentachlorophenol	ND		461	ug/Kg	1
Phenanthrene	ND		461	ug/Kg	1
Phenol	ND		461	ug/Kg	1
Pyrene	ND		461	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		461	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	75.0		41.0-129	%	1
2-Fluorobiphenyl	83.0		48.0-123	%	1
2-Fluorophenol	89.0		42.0-123	%	1
Nitrobenzene-d5	87.0		46.0-117	%	1
Phenol-d6	87.0		48.0-125	%	1
Terphenyl-d14	85.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1060**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/04/2011 23:15**

Prep Batch: **XXX1179**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.54 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-2-9-11**

Client Sample ID: **31-2-9-11**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629004-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:35
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		5.69	mg/kg	1
C9-C12 Aliphatic	ND		5.69	mg/kg	1
C9-C10 Aromatic	ND		5.69	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 04:52**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **5.8 g**
Prep Extract Vol: **5 mL**

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Results of **31-2-9-11**

Client Sample ID: **31-2-9-11**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629004-C
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:35
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		4.98	ug/Kg	1
1,1,1-Trichloroethane	ND		4.98	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		4.98	ug/Kg	1
1,1,2-Trichloroethane	ND		4.98	ug/Kg	1
1,1-Dichloroethane	ND		4.98	ug/Kg	1
1,1-Dichloroethene	ND		4.98	ug/Kg	1
1,1-Dichloropropene	ND		4.98	ug/Kg	1
1,2,3-Trichlorobenzene	ND		4.98	ug/Kg	1
1,2,3-Trichloropropane	ND		4.98	ug/Kg	1
1,2,4-Trichlorobenzene	ND		4.98	ug/Kg	1
1,2,4-Trimethylbenzene	ND		4.98	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		29.9	ug/Kg	1
1,2-Dibromoethane	ND		4.98	ug/Kg	1
1,2-Dichlorobenzene	ND		4.98	ug/Kg	1
1,2-Dichloroethane	ND		4.98	ug/Kg	1
1,2-Dichloropropane	ND		4.98	ug/Kg	1
1,3,5-Trimethylbenzene	ND		4.98	ug/Kg	1
1,3-Dichlorobenzene	ND		4.98	ug/Kg	1
1,3-Dichloropropane	ND		4.98	ug/Kg	1
1,4-Dichlorobenzene	ND		4.98	ug/Kg	1
2,2-Dichloropropane	ND		4.98	ug/Kg	1
2-Butanone	ND		24.9	ug/Kg	1
2-Chlorotoluene	ND		4.98	ug/Kg	1
2-Hexanone	ND		12.4	ug/Kg	1
4-Chlorotoluene	ND		4.98	ug/Kg	1
4-Isopropyltoluene	ND		4.98	ug/Kg	1
4-Methyl-2-pentanone	ND		12.4	ug/Kg	1
Acetone	ND		49.8	ug/Kg	1
Benzene	ND		4.98	ug/Kg	1
Bromobenzene	ND		4.98	ug/Kg	1
Bromochloromethane	ND		4.98	ug/Kg	1
Bromodichloromethane	ND		4.98	ug/Kg	1
Bromoform	ND		4.98	ug/Kg	1
Bromomethane	ND		4.98	ug/Kg	1
n-Butylbenzene	ND		4.98	ug/Kg	1
Carbon disulfide	ND		4.98	ug/Kg	1
Carbon tetrachloride	ND		4.98	ug/Kg	1
Chlorobenzene	ND		4.98	ug/Kg	1
Chloroethane	ND		4.98	ug/Kg	1
Chloroform	ND		4.98	ug/Kg	1
Chloromethane	ND		4.98	ug/Kg	1
Dibromochloromethane	ND		4.98	ug/Kg	1
Dibromomethane	ND		4.98	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-2-9-11**

Client Sample ID: **31-2-9-11**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629004-C
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:35
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		4.98	ug/Kg	1
trans-1,3-Dichloropropene	ND		4.98	ug/Kg	1
Diisopropyl Ether	ND		4.98	ug/Kg	1
Ethyl Benzene	ND		4.98	ug/Kg	1
Hexachlorobutadiene	ND		4.98	ug/Kg	1
Isopropylbenzene (Cumene)	ND		4.98	ug/Kg	1
Methyl iodide	ND		4.98	ug/Kg	1
Methylene chloride	ND		19.9	ug/Kg	1
Naphthalene	ND		4.98	ug/Kg	1
Styrene	ND		4.98	ug/Kg	1
Tetrachloroethene	ND		4.98	ug/Kg	1
Toluene	ND		4.98	ug/Kg	1
Trichloroethene	ND		4.98	ug/Kg	1
Trichlorofluoromethane	ND		4.98	ug/Kg	1
Vinyl chloride	ND		4.98	ug/Kg	1
cis-1,2-Dichloroethene	ND		4.98	ug/Kg	1
m,p-Xylene	ND		9.96	ug/Kg	1
n-Propylbenzene	ND		4.98	ug/Kg	1
o-Xylene	ND		4.98	ug/Kg	1
sec-Butylbenzene	ND		4.98	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		4.98	ug/Kg	1
tert-Butylbenzene	ND		4.98	ug/Kg	1
trans-1,2-Dichloroethene	ND		4.98	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		24.9	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	129		55.0-173	%	1
4-Bromofluorobenzene	105		23.0-141	%	1
Toluene d8	100		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1120**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 11:33**

Prep Batch: **VXX1270**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **6.63 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

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Results of **31-2-9-11**

Client Sample ID: **31-2-9-11**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629004-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:35
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		18.2	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		6.48	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		8.69	mg/kg	1
Surrogates					
n-Tricosane	101		40.0-140	%	1
o-Terphenyl	88.0		40.0-140	%	1
2-Bromonaphthalene	105		40.0-140	%	1
2-Fluorobiphenyl	106		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/08/2011 22:55**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12.22 g**
Prep Extract Vol: **10 mL**

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Results of **31-2-9-11**

Client Sample ID: **31-2-9-11**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629004-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:35
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		414	ug/Kg	1
1,2-Dichlorobenzene	ND		414	ug/Kg	1
1,3-Dichlorobenzene	ND		414	ug/Kg	1
1,4-Dichlorobenzene	ND		414	ug/Kg	1
2,4,5-Trichlorophenol	ND		414	ug/Kg	1
2,4,6-Trichlorophenol	ND		414	ug/Kg	1
2,4-Dichlorophenol	ND		414	ug/Kg	1
2,4-Dinitrophenol	ND		827	ug/Kg	1
2,4-Dinitrotoluene	ND		414	ug/Kg	1
2,6-Dinitrotoluene	ND		414	ug/Kg	1
2-Chloronaphthalene	ND		414	ug/Kg	1
2-Chlorophenol	ND		414	ug/Kg	1
2-Methylnaphthalene	ND		414	ug/Kg	1
2-Methylphenol	ND		414	ug/Kg	1
2-Nitroaniline	ND		414	ug/Kg	1
2-Nitrophenol	ND		414	ug/Kg	1
3 and/or 4-Methylphenol	ND		414	ug/Kg	1
3,3'-Dichlorobenzidine	ND		414	ug/Kg	1
3-Nitroaniline	ND		414	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		414	ug/Kg	1
4-Chloro-3-methylphenol	ND		414	ug/Kg	1
4-Chloroaniline	ND		414	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		414	ug/Kg	1
Acenaphthene	ND		414	ug/Kg	1
Acenaphthylene	ND		414	ug/Kg	1
Anthracene	ND		414	ug/Kg	1
Benzo(a)anthracene	ND		414	ug/Kg	1
Benzo(a)pyrene	ND		414	ug/Kg	1
Benzo(b)fluoranthene	ND		414	ug/Kg	1
Benzo(g,h,i)perylene	ND		414	ug/Kg	1
Benzo(k)fluoranthene	ND		414	ug/Kg	1
Benzoic acid	ND		414	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		414	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		414	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		414	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		414	ug/Kg	1
4-Bromophenyl phenyl ether	ND		414	ug/Kg	1
Butyl benzyl phthalate	ND		414	ug/Kg	1
Chrysene	ND		414	ug/Kg	1
Di-n-butyl phthalate	ND		414	ug/Kg	1
Di-n-octyl phthalate	ND		414	ug/Kg	1
Dibenz(a,h)anthracene	ND		414	ug/Kg	1
Dibenzofuran	ND		414	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-2-9-11**

Client Sample ID: **31-2-9-11**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629004-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:35
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 76

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		414	ug/Kg	1
Dimethyl phthalate	ND		414	ug/Kg	1
2,4-Dimethylphenol	ND		414	ug/Kg	1
Diphenylamine	ND		414	ug/Kg	1
Fluoranthene	ND		414	ug/Kg	1
Fluorene	ND		414	ug/Kg	1
Hexachlorobenzene	ND		414	ug/Kg	1
Hexachlorobutadiene	ND		414	ug/Kg	1
Hexachlorocyclopentadiene	ND		414	ug/Kg	1
Hexachloroethane	ND		414	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		414	ug/Kg	1
Isophorone	ND		414	ug/Kg	1
Naphthalene	ND		414	ug/Kg	1
4-Nitroaniline	ND		414	ug/Kg	1
Nitrobenzene	ND		414	ug/Kg	1
4-Nitrophenol	ND		414	ug/Kg	1
Pentachlorophenol	ND		414	ug/Kg	1
Phenanthrene	ND		414	ug/Kg	1
Phenol	ND		414	ug/Kg	1
Pyrene	ND		414	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		414	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	65.0		41.0-129	%	1
2-Fluorobiphenyl	74.0		48.0-123	%	1
2-Fluorophenol	81.0		42.0-123	%	1
Nitrobenzene-d5	78.0		46.0-117	%	1
Phenol-d6	79.0		48.0-125	%	1
Terphenyl-d14	73.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1060**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/04/2011 23:39**

Prep Batch: **XXX1179**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **31.95 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-2-14-16**

Client Sample ID: **31-2-14-16**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629005-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		4.41	mg/kg	1
C9-C12 Aliphatic	ND		4.41	mg/kg	1
C9-C10 Aromatic	ND		4.41	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: **VGC1126**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/08/2011 05:19**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **7.56 g**
Prep Extract Vol: **5 mL**

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Results of **31-2-14-16**

Client Sample ID: **31-2-14-16**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629005-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		5.07	ug/Kg	1
1,1,1-Trichloroethane	ND		5.07	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		5.07	ug/Kg	1
1,1,2-Trichloroethane	ND		5.07	ug/Kg	1
1,1-Dichloroethane	ND		5.07	ug/Kg	1
1,1-Dichloroethene	ND		5.07	ug/Kg	1
1,1-Dichloropropene	ND		5.07	ug/Kg	1
1,2,3-Trichlorobenzene	ND		5.07	ug/Kg	1
1,2,3-Trichloropropane	ND		5.07	ug/Kg	1
1,2,4-Trichlorobenzene	ND		5.07	ug/Kg	1
1,2,4-Trimethylbenzene	ND		5.07	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		30.4	ug/Kg	1
1,2-Dibromoethane	ND		5.07	ug/Kg	1
1,2-Dichlorobenzene	ND		5.07	ug/Kg	1
1,2-Dichloroethane	ND		5.07	ug/Kg	1
1,2-Dichloropropane	ND		5.07	ug/Kg	1
1,3,5-Trimethylbenzene	ND		5.07	ug/Kg	1
1,3-Dichlorobenzene	ND		5.07	ug/Kg	1
1,3-Dichloropropane	ND		5.07	ug/Kg	1
1,4-Dichlorobenzene	ND		5.07	ug/Kg	1
2,2-Dichloropropane	ND		5.07	ug/Kg	1
2-Butanone	ND		25.4	ug/Kg	1
2-Chlorotoluene	ND		5.07	ug/Kg	1
2-Hexanone	ND		12.7	ug/Kg	1
4-Chlorotoluene	ND		5.07	ug/Kg	1
4-Isopropyltoluene	ND		5.07	ug/Kg	1
4-Methyl-2-pentanone	ND		12.7	ug/Kg	1
Acetone	ND		50.7	ug/Kg	1
Benzene	ND		5.07	ug/Kg	1
Bromobenzene	ND		5.07	ug/Kg	1
Bromochloromethane	ND		5.07	ug/Kg	1
Bromodichloromethane	ND		5.07	ug/Kg	1
Bromoform	ND		5.07	ug/Kg	1
Bromomethane	ND		5.07	ug/Kg	1
n-Butylbenzene	ND		5.07	ug/Kg	1
Carbon disulfide	ND		5.07	ug/Kg	1
Carbon tetrachloride	ND		5.07	ug/Kg	1
Chlorobenzene	ND		5.07	ug/Kg	1
Chloroethane	ND		5.07	ug/Kg	1
Chloroform	ND		5.07	ug/Kg	1
Chloromethane	ND		5.07	ug/Kg	1
Dibromochloromethane	ND		5.07	ug/Kg	1
Dibromomethane	ND		5.07	ug/Kg	1

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Results of **31-2-14-16**

Client Sample ID: **31-2-14-16**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629005-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		5.07	ug/Kg	1
trans-1,3-Dichloropropene	ND		5.07	ug/Kg	1
Diisopropyl Ether	ND		5.07	ug/Kg	1
Ethyl Benzene	ND		5.07	ug/Kg	1
Hexachlorobutadiene	ND		5.07	ug/Kg	1
Isopropylbenzene (Cumene)	ND		5.07	ug/Kg	1
Methyl iodide	ND		5.07	ug/Kg	1
Methylene chloride	ND		20.3	ug/Kg	1
Naphthalene	ND		5.07	ug/Kg	1
Styrene	ND		5.07	ug/Kg	1
Tetrachloroethene	ND		5.07	ug/Kg	1
Toluene	ND		5.07	ug/Kg	1
Trichloroethene	ND		5.07	ug/Kg	1
Trichlorofluoromethane	ND		5.07	ug/Kg	1
Vinyl chloride	ND		5.07	ug/Kg	1
cis-1,2-Dichloroethene	ND		5.07	ug/Kg	1
m,p-Xylene	ND		10.1	ug/Kg	1
n-Propylbenzene	ND		5.07	ug/Kg	1
o-Xylene	ND		5.07	ug/Kg	1
sec-Butylbenzene	ND		5.07	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		5.07	ug/Kg	1
tert-Butylbenzene	ND		5.07	ug/Kg	1
trans-1,2-Dichloroethene	ND		5.07	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		25.4	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	123		55.0-173	%	1
4-Bromofluorobenzene	99.0		23.0-141	%	1
Toluene d8	99.0		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 11:55**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **6.57 g**
Prep Extract Vol: **5 mL**

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Results of **31-2-14-16**

Client Sample ID: **31-2-14-16**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629005-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		18.7	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		6.68	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		8.96	mg/kg	1
Surrogates					
n-Tricosane	87.0		40.0-140	%	1
o-Terphenyl	79.0		40.0-140	%	1
2-Bromonaphthalene	106		40.0-140	%	1
2-Fluorobiphenyl	106		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/08/2011 23:51**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **11.97 g**
Prep Extract Vol: **10 mL**

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Results of **31-2-14-16**

Client Sample ID: **31-2-14-16**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629005-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		409	ug/Kg	1
1,2-Dichlorobenzene	ND		409	ug/Kg	1
1,3-Dichlorobenzene	ND		409	ug/Kg	1
1,4-Dichlorobenzene	ND		409	ug/Kg	1
2,4,5-Trichlorophenol	ND		409	ug/Kg	1
2,4,6-Trichlorophenol	ND		409	ug/Kg	1
2,4-Dichlorophenol	ND		409	ug/Kg	1
2,4-Dinitrophenol	ND		816	ug/Kg	1
2,4-Dinitrotoluene	ND		409	ug/Kg	1
2,6-Dinitrotoluene	ND		409	ug/Kg	1
2-Chloronaphthalene	ND		409	ug/Kg	1
2-Chlorophenol	ND		409	ug/Kg	1
2-Methylnaphthalene	ND		409	ug/Kg	1
2-Methylphenol	ND		409	ug/Kg	1
2-Nitroaniline	ND		409	ug/Kg	1
2-Nitrophenol	ND		409	ug/Kg	1
3 and/or 4-Methylphenol	ND		409	ug/Kg	1
3,3'-Dichlorobenzidine	ND		409	ug/Kg	1
3-Nitroaniline	ND		409	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		409	ug/Kg	1
4-Chloro-3-methylphenol	ND		409	ug/Kg	1
4-Chloroaniline	ND		409	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		409	ug/Kg	1
Acenaphthene	ND		409	ug/Kg	1
Acenaphthylene	ND		409	ug/Kg	1
Anthracene	ND		409	ug/Kg	1
Benzo(a)anthracene	ND		409	ug/Kg	1
Benzo(a)pyrene	ND		409	ug/Kg	1
Benzo(b)fluoranthene	ND		409	ug/Kg	1
Benzo(g,h,i)perylene	ND		409	ug/Kg	1
Benzo(k)fluoranthene	ND		409	ug/Kg	1
Benzoic acid	ND		409	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		409	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		409	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		409	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		409	ug/Kg	1
4-Bromophenyl phenyl ether	ND		409	ug/Kg	1
Butyl benzyl phthalate	ND		409	ug/Kg	1
Chrysene	ND		409	ug/Kg	1
Di-n-butyl phthalate	ND		409	ug/Kg	1
Di-n-octyl phthalate	ND		409	ug/Kg	1
Dibenz(a,h)anthracene	ND		409	ug/Kg	1
Dibenzofuran	ND		409	ug/Kg	1

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Results of **31-2-14-16**

Client Sample ID: **31-2-14-16**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629005-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		409	ug/Kg	1
Dimethyl phthalate	ND		409	ug/Kg	1
2,4-Dimethylphenol	ND		409	ug/Kg	1
Diphenylamine	ND		409	ug/Kg	1
Fluoranthene	ND		409	ug/Kg	1
Fluorene	ND		409	ug/Kg	1
Hexachlorobenzene	ND		409	ug/Kg	1
Hexachlorobutadiene	ND		409	ug/Kg	1
Hexachlorocyclopentadiene	ND		409	ug/Kg	1
Hexachloroethane	ND		409	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		409	ug/Kg	1
Isophorone	ND		409	ug/Kg	1
Naphthalene	ND		409	ug/Kg	1
4-Nitroaniline	ND		409	ug/Kg	1
Nitrobenzene	ND		409	ug/Kg	1
4-Nitrophenol	ND		409	ug/Kg	1
Pentachlorophenol	ND		409	ug/Kg	1
Phenanthrene	ND		409	ug/Kg	1
Phenol	ND		409	ug/Kg	1
Pyrene	ND		409	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		409	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	71.0		41.0-129	%	1
2-Fluorobiphenyl	83.0		48.0-123	%	1
2-Fluorophenol	91.0		42.0-123	%	1
Nitrobenzene-d5	87.0		46.0-117	%	1
Phenol-d6	88.0		48.0-125	%	1
Terphenyl-d14	78.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1060**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/05/2011 00:02**

Prep Batch: **XXX1179**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.69 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-3-6-8**

Client Sample ID: **31-3-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629006-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 08:50
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		5.29	mg/kg	1
C9-C12 Aliphatic	ND		5.29	mg/kg	1
C9-C10 Aromatic	ND		5.29	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	98.0		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 05:46**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **6.26 g**
Prep Extract Vol: **5 mL**

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Results of **31-3-6-8**

Client Sample ID: **31-3-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629006-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 08:50
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		4.80	ug/Kg	1
1,1,1-Trichloroethane	ND		4.80	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		4.80	ug/Kg	1
1,1,2-Trichloroethane	ND		4.80	ug/Kg	1
1,1-Dichloroethane	ND		4.80	ug/Kg	1
1,1-Dichloroethene	ND		4.80	ug/Kg	1
1,1-Dichloropropene	ND		4.80	ug/Kg	1
1,2,3-Trichlorobenzene	ND		4.80	ug/Kg	1
1,2,3-Trichloropropane	ND		4.80	ug/Kg	1
1,2,4-Trichlorobenzene	ND		4.80	ug/Kg	1
1,2,4-Trimethylbenzene	ND		4.80	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		28.8	ug/Kg	1
1,2-Dibromoethane	ND		4.80	ug/Kg	1
1,2-Dichlorobenzene	ND		4.80	ug/Kg	1
1,2-Dichloroethane	ND		4.80	ug/Kg	1
1,2-Dichloropropane	ND		4.80	ug/Kg	1
1,3,5-Trimethylbenzene	ND		4.80	ug/Kg	1
1,3-Dichlorobenzene	ND		4.80	ug/Kg	1
1,3-Dichloropropane	ND		4.80	ug/Kg	1
1,4-Dichlorobenzene	ND		4.80	ug/Kg	1
2,2-Dichloropropane	ND		4.80	ug/Kg	1
2-Butanone	ND		24.0	ug/Kg	1
2-Chlorotoluene	ND		4.80	ug/Kg	1
2-Hexanone	ND		12.0	ug/Kg	1
4-Chlorotoluene	ND		4.80	ug/Kg	1
4-Isopropyltoluene	ND		4.80	ug/Kg	1
4-Methyl-2-pentanone	ND		12.0	ug/Kg	1
Acetone	ND		48.0	ug/Kg	1
Benzene	ND		4.80	ug/Kg	1
Bromobenzene	ND		4.80	ug/Kg	1
Bromochloromethane	ND		4.80	ug/Kg	1
Bromodichloromethane	ND		4.80	ug/Kg	1
Bromoform	ND		4.80	ug/Kg	1
Bromomethane	ND		4.80	ug/Kg	1
n-Butylbenzene	ND		4.80	ug/Kg	1
Carbon disulfide	ND		4.80	ug/Kg	1
Carbon tetrachloride	ND		4.80	ug/Kg	1
Chlorobenzene	ND		4.80	ug/Kg	1
Chloroethane	ND		4.80	ug/Kg	1
Chloroform	ND		4.80	ug/Kg	1
Chloromethane	ND		4.80	ug/Kg	1
Dibromochloromethane	ND		4.80	ug/Kg	1
Dibromomethane	ND		4.80	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-3-6-8**

Client Sample ID: **31-3-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629006-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 08:50
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		4.80	ug/Kg	1
trans-1,3-Dichloropropene	ND		4.80	ug/Kg	1
Diisopropyl Ether	ND		4.80	ug/Kg	1
Ethyl Benzene	ND		4.80	ug/Kg	1
Hexachlorobutadiene	ND		4.80	ug/Kg	1
Isopropylbenzene (Cumene)	ND		4.80	ug/Kg	1
Methyl iodide	ND		4.80	ug/Kg	1
Methylene chloride	ND		19.2	ug/Kg	1
Naphthalene	ND		4.80	ug/Kg	1
Styrene	ND		4.80	ug/Kg	1
Tetrachloroethene	ND		4.80	ug/Kg	1
Toluene	ND		4.80	ug/Kg	1
Trichloroethene	ND		4.80	ug/Kg	1
Trichlorofluoromethane	ND		4.80	ug/Kg	1
Vinyl chloride	ND		4.80	ug/Kg	1
cis-1,2-Dichloroethene	ND		4.80	ug/Kg	1
m,p-Xylene	ND		9.61	ug/Kg	1
n-Propylbenzene	ND		4.80	ug/Kg	1
o-Xylene	ND		4.80	ug/Kg	1
sec-Butylbenzene	ND		4.80	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		4.80	ug/Kg	1
tert-Butylbenzene	ND		4.80	ug/Kg	1
trans-1,2-Dichloroethene	ND		4.80	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		24.0	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	122		55.0-173	%	1
4-Bromofluorobenzene	99.0		23.0-141	%	1
Toluene d8	103		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 12:24**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **6.9 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-3-6-8**

Client Sample ID: **31-3-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629006-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 08:50
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		18.1	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		6.46	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		8.65	mg/kg	1
Surrogates					
n-Tricosane	114		40.0-140	%	1
o-Terphenyl	106		40.0-140	%	1
2-Bromonaphthalene	114		40.0-140	%	1
2-Fluorobiphenyl	113		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 00:49**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12.32 g**
Prep Extract Vol: **10 mL**

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Results of **31-3-6-8**

Client Sample ID: **31-3-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629006-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 08:50
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		411	ug/Kg	1
1,2-Dichlorobenzene	ND		411	ug/Kg	1
1,3-Dichlorobenzene	ND		411	ug/Kg	1
1,4-Dichlorobenzene	ND		411	ug/Kg	1
2,4,5-Trichlorophenol	ND		411	ug/Kg	1
2,4,6-Trichlorophenol	ND		411	ug/Kg	1
2,4-Dichlorophenol	ND		411	ug/Kg	1
2,4-Dinitrophenol	ND		821	ug/Kg	1
2,4-Dinitrotoluene	ND		411	ug/Kg	1
2,6-Dinitrotoluene	ND		411	ug/Kg	1
2-Chloronaphthalene	ND		411	ug/Kg	1
2-Chlorophenol	ND		411	ug/Kg	1
2-Methylnaphthalene	ND		411	ug/Kg	1
2-Methylphenol	ND		411	ug/Kg	1
2-Nitroaniline	ND		411	ug/Kg	1
2-Nitrophenol	ND		411	ug/Kg	1
3 and/or 4-Methylphenol	ND		411	ug/Kg	1
3,3'-Dichlorobenzidine	ND		411	ug/Kg	1
3-Nitroaniline	ND		411	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		411	ug/Kg	1
4-Chloro-3-methylphenol	ND		411	ug/Kg	1
4-Chloroaniline	ND		411	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		411	ug/Kg	1
Acenaphthene	ND		411	ug/Kg	1
Acenaphthylene	ND		411	ug/Kg	1
Anthracene	ND		411	ug/Kg	1
Benzo(a)anthracene	ND		411	ug/Kg	1
Benzo(a)pyrene	ND		411	ug/Kg	1
Benzo(b)fluoranthene	ND		411	ug/Kg	1
Benzo(g,h,i)perylene	ND		411	ug/Kg	1
Benzo(k)fluoranthene	ND		411	ug/Kg	1
Benzoic acid	ND		411	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		411	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		411	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		411	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		411	ug/Kg	1
4-Bromophenyl phenyl ether	ND		411	ug/Kg	1
Butyl benzyl phthalate	ND		411	ug/Kg	1
Chrysene	ND		411	ug/Kg	1
Di-n-butyl phthalate	ND		411	ug/Kg	1
Di-n-octyl phthalate	ND		411	ug/Kg	1
Dibenz(a,h)anthracene	ND		411	ug/Kg	1
Dibenzofuran	ND		411	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-3-6-8**

Client Sample ID: **31-3-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629006-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 08:50
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 75

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		411	ug/Kg	1
Dimethyl phthalate	ND		411	ug/Kg	1
2,4-Dimethylphenol	ND		411	ug/Kg	1
Diphenylamine	ND		411	ug/Kg	1
Fluoranthene	ND		411	ug/Kg	1
Fluorene	ND		411	ug/Kg	1
Hexachlorobenzene	ND		411	ug/Kg	1
Hexachlorobutadiene	ND		411	ug/Kg	1
Hexachlorocyclopentadiene	ND		411	ug/Kg	1
Hexachloroethane	ND		411	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		411	ug/Kg	1
Isophorone	ND		411	ug/Kg	1
Naphthalene	ND		411	ug/Kg	1
4-Nitroaniline	ND		411	ug/Kg	1
Nitrobenzene	ND		411	ug/Kg	1
4-Nitrophenol	ND		411	ug/Kg	1
Pentachlorophenol	ND		411	ug/Kg	1
Phenanthrene	ND		411	ug/Kg	1
Phenol	ND		411	ug/Kg	1
Pyrene	ND		411	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		411	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	71.0		41.0-129	%	1
2-Fluorobiphenyl	83.0		48.0-123	%	1
2-Fluorophenol	92.0		42.0-123	%	1
Nitrobenzene-d5	89.0		46.0-117	%	1
Phenol-d6	89.0		48.0-125	%	1
Terphenyl-d14	80.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1060**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/05/2011 00:25**

Prep Batch: **XXX1179**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.28 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-4-6-8**

Client Sample ID: **31-4-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629007-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 89

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		4.81	mg/kg	1
C9-C12 Aliphatic	ND		4.81	mg/kg	1
C9-C10 Aromatic	ND		4.81	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	93.0		70.0-130	%	1
PID - 4-Bromofluorobenzene	90.0		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1126**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/08/2011 06:13**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **5.87 g**
Prep Extract Vol: **5 mL**

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Results of **31-4-6-8**

Client Sample ID: **31-4-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629007-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 89

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		5.29	ug/Kg	1
1,1,1-Trichloroethane	ND		5.29	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		5.29	ug/Kg	1
1,1,2-Trichloroethane	ND		5.29	ug/Kg	1
1,1-Dichloroethane	ND		5.29	ug/Kg	1
1,1-Dichloroethene	ND		5.29	ug/Kg	1
1,1-Dichloropropene	ND		5.29	ug/Kg	1
1,2,3-Trichlorobenzene	ND		5.29	ug/Kg	1
1,2,3-Trichloropropane	ND		5.29	ug/Kg	1
1,2,4-Trichlorobenzene	ND		5.29	ug/Kg	1
1,2,4-Trimethylbenzene	ND		5.29	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		31.8	ug/Kg	1
1,2-Dibromoethane	ND		5.29	ug/Kg	1
1,2-Dichlorobenzene	ND		5.29	ug/Kg	1
1,2-Dichloroethane	ND		5.29	ug/Kg	1
1,2-Dichloropropane	ND		5.29	ug/Kg	1
1,3,5-Trimethylbenzene	ND		5.29	ug/Kg	1
1,3-Dichlorobenzene	ND		5.29	ug/Kg	1
1,3-Dichloropropane	ND		5.29	ug/Kg	1
1,4-Dichlorobenzene	ND		5.29	ug/Kg	1
2,2-Dichloropropane	ND		5.29	ug/Kg	1
2-Butanone	ND		26.5	ug/Kg	1
2-Chlorotoluene	ND		5.29	ug/Kg	1
2-Hexanone	ND		13.2	ug/Kg	1
4-Chlorotoluene	ND		5.29	ug/Kg	1
4-Isopropyltoluene	ND		5.29	ug/Kg	1
4-Methyl-2-pentanone	ND		13.2	ug/Kg	1
Acetone	ND		52.9	ug/Kg	1
Benzene	ND		5.29	ug/Kg	1
Bromobenzene	ND		5.29	ug/Kg	1
Bromochloromethane	ND		5.29	ug/Kg	1
Bromodichloromethane	ND		5.29	ug/Kg	1
Bromoform	ND		5.29	ug/Kg	1
Bromomethane	ND		5.29	ug/Kg	1
n-Butylbenzene	ND		5.29	ug/Kg	1
Carbon disulfide	ND		5.29	ug/Kg	1
Carbon tetrachloride	ND		5.29	ug/Kg	1
Chlorobenzene	ND		5.29	ug/Kg	1
Chloroethane	ND		5.29	ug/Kg	1
Chloroform	ND		5.29	ug/Kg	1
Chloromethane	ND		5.29	ug/Kg	1
Dibromochloromethane	ND		5.29	ug/Kg	1
Dibromomethane	ND		5.29	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-4-6-8**

Client Sample ID: **31-4-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629007-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 89

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		5.29	ug/Kg	1
trans-1,3-Dichloropropene	ND		5.29	ug/Kg	1
Diisopropyl Ether	ND		5.29	ug/Kg	1
Ethyl Benzene	ND		5.29	ug/Kg	1
Hexachlorobutadiene	ND		5.29	ug/Kg	1
Isopropylbenzene (Cumene)	ND		5.29	ug/Kg	1
Methyl iodide	ND		5.29	ug/Kg	1
Methylene chloride	ND		21.2	ug/Kg	1
Naphthalene	ND		5.29	ug/Kg	1
Styrene	ND		5.29	ug/Kg	1
Tetrachloroethene	ND		5.29	ug/Kg	1
Toluene	ND		5.29	ug/Kg	1
Trichloroethene	ND		5.29	ug/Kg	1
Trichlorofluoromethane	ND		5.29	ug/Kg	1
Vinyl chloride	ND		5.29	ug/Kg	1
cis-1,2-Dichloroethene	ND		5.29	ug/Kg	1
m,p-Xylene	ND		10.6	ug/Kg	1
n-Propylbenzene	ND		5.29	ug/Kg	1
o-Xylene	ND		5.29	ug/Kg	1
sec-Butylbenzene	ND		5.29	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		5.29	ug/Kg	1
tert-Butylbenzene	ND		5.29	ug/Kg	1
trans-1,2-Dichloroethene	ND		5.29	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		26.5	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	122		55.0-173	%	1
4-Bromofluorobenzene	100		23.0-141	%	1
Toluene d8	98.0		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 12:54**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **5.33 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-4-6-8**

Client Sample ID: **31-4-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629007-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 89

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		15.0	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		5.37	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		7.20	mg/kg	1
Surrogates					
n-Tricosane	113		40.0-140	%	1
o-Terphenyl	106		40.0-140	%	1
2-Bromonaphthalene	111		40.0-140	%	1
2-Fluorobiphenyl	111		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 01:45**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12.61 g**
Prep Extract Vol: **10 mL**

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Results of **31-4-6-8**

Client Sample ID: **31-4-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629007-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 89

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		345	ug/Kg	1
1,2-Dichlorobenzene	ND		345	ug/Kg	1
1,3-Dichlorobenzene	ND		345	ug/Kg	1
1,4-Dichlorobenzene	ND		345	ug/Kg	1
2,4,5-Trichlorophenol	ND		345	ug/Kg	1
2,4,6-Trichlorophenol	ND		345	ug/Kg	1
2,4-Dichlorophenol	ND		345	ug/Kg	1
2,4-Dinitrophenol	ND		688	ug/Kg	1
2,4-Dinitrotoluene	ND		345	ug/Kg	1
2,6-Dinitrotoluene	ND		345	ug/Kg	1
2-Chloronaphthalene	ND		345	ug/Kg	1
2-Chlorophenol	ND		345	ug/Kg	1
2-Methylnaphthalene	ND		345	ug/Kg	1
2-Methylphenol	ND		345	ug/Kg	1
2-Nitroaniline	ND		345	ug/Kg	1
2-Nitrophenol	ND		345	ug/Kg	1
3 and/or 4-Methylphenol	ND		345	ug/Kg	1
3,3'-Dichlorobenzidine	ND		345	ug/Kg	1
3-Nitroaniline	ND		345	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		345	ug/Kg	1
4-Chloro-3-methylphenol	ND		345	ug/Kg	1
4-Chloroaniline	ND		345	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		345	ug/Kg	1
Acenaphthene	ND		345	ug/Kg	1
Acenaphthylene	ND		345	ug/Kg	1
Anthracene	ND		345	ug/Kg	1
Benzo(a)anthracene	ND		345	ug/Kg	1
Benzo(a)pyrene	ND		345	ug/Kg	1
Benzo(b)fluoranthene	ND		345	ug/Kg	1
Benzo(g,h,i)perylene	ND		345	ug/Kg	1
Benzo(k)fluoranthene	ND		345	ug/Kg	1
Benzoic acid	ND		345	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		345	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		345	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		345	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		345	ug/Kg	1
4-Bromophenyl phenyl ether	ND		345	ug/Kg	1
Butyl benzyl phthalate	ND		345	ug/Kg	1
Chrysene	ND		345	ug/Kg	1
Di-n-butyl phthalate	ND		345	ug/Kg	1
Di-n-octyl phthalate	ND		345	ug/Kg	1
Dibenz(a,h)anthracene	ND		345	ug/Kg	1
Dibenzofuran	ND		345	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-4-6-8**

Client Sample ID: **31-4-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629007-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 89

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		345	ug/Kg	1
Dimethyl phthalate	ND		345	ug/Kg	1
2,4-Dimethylphenol	ND		345	ug/Kg	1
Diphenylamine	ND		345	ug/Kg	1
Fluoranthene	ND		345	ug/Kg	1
Fluorene	ND		345	ug/Kg	1
Hexachlorobenzene	ND		345	ug/Kg	1
Hexachlorobutadiene	ND		345	ug/Kg	1
Hexachlorocyclopentadiene	ND		345	ug/Kg	1
Hexachloroethane	ND		345	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		345	ug/Kg	1
Isophorone	ND		345	ug/Kg	1
Naphthalene	ND		345	ug/Kg	1
4-Nitroaniline	ND		345	ug/Kg	1
Nitrobenzene	ND		345	ug/Kg	1
4-Nitrophenol	ND		345	ug/Kg	1
Pentachlorophenol	ND		345	ug/Kg	1
Phenanthrene	ND		345	ug/Kg	1
Phenol	ND		345	ug/Kg	1
Pyrene	ND		345	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		345	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	69.0		41.0-129	%	1
2-Fluorobiphenyl	84.0		48.0-123	%	1
2-Fluorophenol	92.0		42.0-123	%	1
Nitrobenzene-d5	87.0		46.0-117	%	1
Phenol-d6	89.0		48.0-125	%	1
Terphenyl-d14	80.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1060**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/05/2011 00:49**

Prep Batch: **XXX1179**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.8 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-5-6-8**

Client Sample ID: **31-5-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629008-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 79

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		4.77	mg/kg	1
C9-C12 Aliphatic	ND		4.77	mg/kg	1
C9-C10 Aromatic	ND		4.77	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	95.0		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 06:40**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **6.65 g**
Prep Extract Vol: **5 mL**

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Results of **31-5-6-8**

Client Sample ID: **31-5-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629008-C
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 79

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		4.67	ug/Kg	1
1,1,1-Trichloroethane	ND		4.67	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		4.67	ug/Kg	1
1,1,2-Trichloroethane	ND		4.67	ug/Kg	1
1,1-Dichloroethane	ND		4.67	ug/Kg	1
1,1-Dichloroethene	ND		4.67	ug/Kg	1
1,1-Dichloropropene	ND		4.67	ug/Kg	1
1,2,3-Trichlorobenzene	ND		4.67	ug/Kg	1
1,2,3-Trichloropropane	ND		4.67	ug/Kg	1
1,2,4-Trichlorobenzene	ND		4.67	ug/Kg	1
1,2,4-Trimethylbenzene	ND		4.67	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		28.0	ug/Kg	1
1,2-Dibromoethane	ND		4.67	ug/Kg	1
1,2-Dichlorobenzene	ND		4.67	ug/Kg	1
1,2-Dichloroethane	ND		4.67	ug/Kg	1
1,2-Dichloropropane	ND		4.67	ug/Kg	1
1,3,5-Trimethylbenzene	ND		4.67	ug/Kg	1
1,3-Dichlorobenzene	ND		4.67	ug/Kg	1
1,3-Dichloropropane	ND		4.67	ug/Kg	1
1,4-Dichlorobenzene	ND		4.67	ug/Kg	1
2,2-Dichloropropane	ND		4.67	ug/Kg	1
2-Butanone	ND		23.4	ug/Kg	1
2-Chlorotoluene	ND		4.67	ug/Kg	1
2-Hexanone	ND		11.7	ug/Kg	1
4-Chlorotoluene	ND		4.67	ug/Kg	1
4-Isopropyltoluene	ND		4.67	ug/Kg	1
4-Methyl-2-pentanone	ND		11.7	ug/Kg	1
Acetone	ND		46.7	ug/Kg	1
Benzene	ND		4.67	ug/Kg	1
Bromobenzene	ND		4.67	ug/Kg	1
Bromochloromethane	ND		4.67	ug/Kg	1
Bromodichloromethane	ND		4.67	ug/Kg	1
Bromoform	ND		4.67	ug/Kg	1
Bromomethane	ND		4.67	ug/Kg	1
n-Butylbenzene	ND		4.67	ug/Kg	1
Carbon disulfide	ND		4.67	ug/Kg	1
Carbon tetrachloride	ND		4.67	ug/Kg	1
Chlorobenzene	ND		4.67	ug/Kg	1
Chloroethane	ND		4.67	ug/Kg	1
Chloroform	ND		4.67	ug/Kg	1
Chloromethane	ND		4.67	ug/Kg	1
Dibromochloromethane	ND		4.67	ug/Kg	1
Dibromomethane	ND		4.67	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-5-6-8**

Client Sample ID: **31-5-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629008-C
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 79

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		4.67	ug/Kg	1
trans-1,3-Dichloropropene	ND		4.67	ug/Kg	1
Diisopropyl Ether	ND		4.67	ug/Kg	1
Ethyl Benzene	ND		4.67	ug/Kg	1
Hexachlorobutadiene	ND		4.67	ug/Kg	1
Isopropylbenzene (Cumene)	ND		4.67	ug/Kg	1
Methyl iodide	ND		4.67	ug/Kg	1
Methylene chloride	ND		18.7	ug/Kg	1
Naphthalene	ND		4.67	ug/Kg	1
Styrene	ND		4.67	ug/Kg	1
Tetrachloroethene	ND		4.67	ug/Kg	1
Toluene	ND		4.67	ug/Kg	1
Trichloroethene	ND		4.67	ug/Kg	1
Trichlorofluoromethane	ND		4.67	ug/Kg	1
Vinyl chloride	ND		4.67	ug/Kg	1
cis-1,2-Dichloroethene	ND		4.67	ug/Kg	1
m,p-Xylene	ND		9.35	ug/Kg	1
n-Propylbenzene	ND		4.67	ug/Kg	1
o-Xylene	ND		4.67	ug/Kg	1
sec-Butylbenzene	ND		4.67	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		4.67	ug/Kg	1
tert-Butylbenzene	ND		4.67	ug/Kg	1
trans-1,2-Dichloroethene	ND		4.67	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		23.4	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	122		55.0-173	%	1
4-Bromofluorobenzene	99.0		23.0-141	%	1
Toluene d8	99.0		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 13:23**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **6.79 g**
Prep Extract Vol: **5 mL**

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Results of **31-5-6-8**

Client Sample ID: **31-5-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629008-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 79

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		16.8	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		6.02	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		8.06	mg/kg	1
Surrogates					
n-Tricosane	104		40.0-140	%	1
o-Terphenyl	79.0		40.0-140	%	1
2-Bromonaphthalene	94.0		40.0-140	%	1
2-Fluorobiphenyl	94.0		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 02:41**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12.66 g**
Prep Extract Vol: **10 mL**

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Results of **31-5-6-8**

Client Sample ID: **31-5-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629008-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 79

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		389	ug/Kg	1
1,2-Dichlorobenzene	ND		389	ug/Kg	1
1,3-Dichlorobenzene	ND		389	ug/Kg	1
1,4-Dichlorobenzene	ND		389	ug/Kg	1
2,4,5-Trichlorophenol	ND		389	ug/Kg	1
2,4,6-Trichlorophenol	ND		389	ug/Kg	1
2,4-Dichlorophenol	ND		389	ug/Kg	1
2,4-Dinitrophenol	ND		777	ug/Kg	1
2,4-Dinitrotoluene	ND		389	ug/Kg	1
2,6-Dinitrotoluene	ND		389	ug/Kg	1
2-Chloronaphthalene	ND		389	ug/Kg	1
2-Chlorophenol	ND		389	ug/Kg	1
2-Methylnaphthalene	ND		389	ug/Kg	1
2-Methylphenol	ND		389	ug/Kg	1
2-Nitroaniline	ND		389	ug/Kg	1
2-Nitrophenol	ND		389	ug/Kg	1
3 and/or 4-Methylphenol	ND		389	ug/Kg	1
3,3'-Dichlorobenzidine	ND		389	ug/Kg	1
3-Nitroaniline	ND		389	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		389	ug/Kg	1
4-Chloro-3-methylphenol	ND		389	ug/Kg	1
4-Chloroaniline	ND		389	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		389	ug/Kg	1
Acenaphthene	ND		389	ug/Kg	1
Acenaphthylene	ND		389	ug/Kg	1
Anthracene	ND		389	ug/Kg	1
Benzo(a)anthracene	ND		389	ug/Kg	1
Benzo(a)pyrene	ND		389	ug/Kg	1
Benzo(b)fluoranthene	ND		389	ug/Kg	1
Benzo(g,h,i)perylene	ND		389	ug/Kg	1
Benzo(k)fluoranthene	ND		389	ug/Kg	1
Benzoic acid	ND		389	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		389	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		389	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		389	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		389	ug/Kg	1
4-Bromophenyl phenyl ether	ND		389	ug/Kg	1
Butyl benzyl phthalate	ND		389	ug/Kg	1
Chrysene	ND		389	ug/Kg	1
Di-n-butyl phthalate	ND		389	ug/Kg	1
Di-n-octyl phthalate	ND		389	ug/Kg	1
Dibenz(a,h)anthracene	ND		389	ug/Kg	1
Dibenzofuran	ND		389	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-5-6-8**

Client Sample ID: **31-5-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629008-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 09:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 79

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		389	ug/Kg	1
Dimethyl phthalate	ND		389	ug/Kg	1
2,4-Dimethylphenol	ND		389	ug/Kg	1
Diphenylamine	ND		389	ug/Kg	1
Fluoranthene	ND		389	ug/Kg	1
Fluorene	ND		389	ug/Kg	1
Hexachlorobenzene	ND		389	ug/Kg	1
Hexachlorobutadiene	ND		389	ug/Kg	1
Hexachlorocyclopentadiene	ND		389	ug/Kg	1
Hexachloroethane	ND		389	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		389	ug/Kg	1
Isophorone	ND		389	ug/Kg	1
Naphthalene	ND		389	ug/Kg	1
4-Nitroaniline	ND		389	ug/Kg	1
Nitrobenzene	ND		389	ug/Kg	1
4-Nitrophenol	ND		389	ug/Kg	1
Pentachlorophenol	ND		389	ug/Kg	1
Phenanthrene	ND		389	ug/Kg	1
Phenol	ND		389	ug/Kg	1
Pyrene	ND		389	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		389	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	71.0		41.0-129	%	1
2-Fluorobiphenyl	86.0		48.0-123	%	1
2-Fluorophenol	93.0		42.0-123	%	1
Nitrobenzene-d5	90.0		46.0-117	%	1
Phenol-d6	90.0		48.0-125	%	1
Terphenyl-d14	82.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1060**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/05/2011 01:12**

Prep Batch: **XXX1179**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.67 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-6-6-8**

Client Sample ID: **31-6-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629009-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 10:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		4.51	mg/kg	1
C9-C12 Aliphatic	ND		4.51	mg/kg	1
C9-C10 Aromatic	ND		4.51	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	97.0		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: **04/08/2011 07:07**

Prep Batch: **VXX1308**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/07/2011 11:24**
Prep Initial Wt./Vol.: **6.52 g**
Prep Extract Vol: **5 mL**

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Results of **31-6-6-8**

Client Sample ID: **31-6-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629009-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 10:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		5.05	ug/Kg	1
1,1,1-Trichloroethane	ND		5.05	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		5.05	ug/Kg	1
1,1,2-Trichloroethane	ND		5.05	ug/Kg	1
1,1-Dichloroethane	ND		5.05	ug/Kg	1
1,1-Dichloroethene	ND		5.05	ug/Kg	1
1,1-Dichloropropene	ND		5.05	ug/Kg	1
1,2,3-Trichlorobenzene	ND		5.05	ug/Kg	1
1,2,3-Trichloropropane	ND		5.05	ug/Kg	1
1,2,4-Trichlorobenzene	ND		5.05	ug/Kg	1
1,2,4-Trimethylbenzene	ND		5.05	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		30.3	ug/Kg	1
1,2-Dibromoethane	ND		5.05	ug/Kg	1
1,2-Dichlorobenzene	ND		5.05	ug/Kg	1
1,2-Dichloroethane	ND		5.05	ug/Kg	1
1,2-Dichloropropane	ND		5.05	ug/Kg	1
1,3,5-Trimethylbenzene	ND		5.05	ug/Kg	1
1,3-Dichlorobenzene	ND		5.05	ug/Kg	1
1,3-Dichloropropane	ND		5.05	ug/Kg	1
1,4-Dichlorobenzene	ND		5.05	ug/Kg	1
2,2-Dichloropropane	ND		5.05	ug/Kg	1
2-Butanone	ND		25.2	ug/Kg	1
2-Chlorotoluene	ND		5.05	ug/Kg	1
2-Hexanone	ND		12.6	ug/Kg	1
4-Chlorotoluene	ND		5.05	ug/Kg	1
4-Isopropyltoluene	ND		5.05	ug/Kg	1
4-Methyl-2-pentanone	ND		12.6	ug/Kg	1
Acetone	ND		50.5	ug/Kg	1
Benzene	ND		5.05	ug/Kg	1
Bromobenzene	ND		5.05	ug/Kg	1
Bromochloromethane	ND		5.05	ug/Kg	1
Bromodichloromethane	ND		5.05	ug/Kg	1
Bromoform	ND		5.05	ug/Kg	1
Bromomethane	ND		5.05	ug/Kg	1
n-Butylbenzene	ND		5.05	ug/Kg	1
Carbon disulfide	ND		5.05	ug/Kg	1
Carbon tetrachloride	ND		5.05	ug/Kg	1
Chlorobenzene	ND		5.05	ug/Kg	1
Chloroethane	ND		5.05	ug/Kg	1
Chloroform	ND		5.05	ug/Kg	1
Chloromethane	ND		5.05	ug/Kg	1
Dibromochloromethane	ND		5.05	ug/Kg	1
Dibromomethane	ND		5.05	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-6-6-8**

Client Sample ID: **31-6-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629009-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 10:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		5.05	ug/Kg	1
trans-1,3-Dichloropropene	ND		5.05	ug/Kg	1
Diisopropyl Ether	ND		5.05	ug/Kg	1
Ethyl Benzene	ND		5.05	ug/Kg	1
Hexachlorobutadiene	ND		5.05	ug/Kg	1
Isopropylbenzene (Cumene)	ND		5.05	ug/Kg	1
Methyl iodide	ND		5.05	ug/Kg	1
Methylene chloride	ND		20.2	ug/Kg	1
Naphthalene	ND		5.05	ug/Kg	1
Styrene	ND		5.05	ug/Kg	1
Tetrachloroethene	ND		5.05	ug/Kg	1
Toluene	ND		5.05	ug/Kg	1
Trichloroethene	ND		5.05	ug/Kg	1
Trichlorofluoromethane	ND		5.05	ug/Kg	1
Vinyl chloride	ND		5.05	ug/Kg	1
cis-1,2-Dichloroethene	ND		5.05	ug/Kg	1
m,p-Xylene	ND		10.1	ug/Kg	1
n-Propylbenzene	ND		5.05	ug/Kg	1
o-Xylene	ND		5.05	ug/Kg	1
sec-Butylbenzene	ND		5.05	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		5.05	ug/Kg	1
tert-Butylbenzene	ND		5.05	ug/Kg	1
trans-1,2-Dichloroethene	ND		5.05	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		25.2	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	127		55.0-173	%	1
4-Bromofluorobenzene	100		23.0-141	%	1
Toluene d8	101		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 13:53**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **5.83 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-6-6-8**

Client Sample ID: **31-6-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629009-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 10:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		14.6	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		5.21	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		6.98	mg/kg	1
Surrogates					
n-Tricosane	61.0		40.0-140	%	1
o-Terphenyl	58.0		40.0-140	%	1
2-Bromonaphthalene	70.0		40.0-140	%	1
2-Fluorobiphenyl	71.0		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 03:38**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **13.57 g**
Prep Extract Vol: **10 mL**

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Results of **31-6-6-8**

Client Sample ID: **31-6-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629009-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 10:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		367	ug/Kg	1
1,2-Dichlorobenzene	ND		367	ug/Kg	1
1,3-Dichlorobenzene	ND		367	ug/Kg	1
1,4-Dichlorobenzene	ND		367	ug/Kg	1
2,4,5-Trichlorophenol	ND		367	ug/Kg	1
2,4,6-Trichlorophenol	ND		367	ug/Kg	1
2,4-Dichlorophenol	ND		367	ug/Kg	1
2,4-Dinitrophenol	ND		734	ug/Kg	1
2,4-Dinitrotoluene	ND		367	ug/Kg	1
2,6-Dinitrotoluene	ND		367	ug/Kg	1
2-Chloronaphthalene	ND		367	ug/Kg	1
2-Chlorophenol	ND		367	ug/Kg	1
2-Methylnaphthalene	ND		367	ug/Kg	1
2-Methylphenol	ND		367	ug/Kg	1
2-Nitroaniline	ND		367	ug/Kg	1
2-Nitrophenol	ND		367	ug/Kg	1
3 and/or 4-Methylphenol	ND		367	ug/Kg	1
3,3'-Dichlorobenzidine	ND		367	ug/Kg	1
3-Nitroaniline	ND		367	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		367	ug/Kg	1
4-Chloro-3-methylphenol	ND		367	ug/Kg	1
4-Chloroaniline	ND		367	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		367	ug/Kg	1
Acenaphthene	ND		367	ug/Kg	1
Acenaphthylene	ND		367	ug/Kg	1
Anthracene	ND		367	ug/Kg	1
Benzo(a)anthracene	ND		367	ug/Kg	1
Benzo(a)pyrene	ND		367	ug/Kg	1
Benzo(b)fluoranthene	ND		367	ug/Kg	1
Benzo(g,h,i)perylene	ND		367	ug/Kg	1
Benzo(k)fluoranthene	ND		367	ug/Kg	1
Benzoic acid	ND		367	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		367	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		367	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		367	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		367	ug/Kg	1
4-Bromophenyl phenyl ether	ND		367	ug/Kg	1
Butyl benzyl phthalate	ND		367	ug/Kg	1
Chrysene	ND		367	ug/Kg	1
Di-n-butyl phthalate	ND		367	ug/Kg	1
Di-n-octyl phthalate	ND		367	ug/Kg	1
Dibenz(a,h)anthracene	ND		367	ug/Kg	1
Dibenzofuran	ND		367	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-6-6-8**

Client Sample ID: **31-6-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629009-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 10:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		367	ug/Kg	1
Dimethyl phthalate	ND		367	ug/Kg	1
2,4-Dimethylphenol	ND		367	ug/Kg	1
Diphenylamine	ND		367	ug/Kg	1
Fluoranthene	ND		367	ug/Kg	1
Fluorene	ND		367	ug/Kg	1
Hexachlorobenzene	ND		367	ug/Kg	1
Hexachlorobutadiene	ND		367	ug/Kg	1
Hexachlorocyclopentadiene	ND		367	ug/Kg	1
Hexachloroethane	ND		367	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		367	ug/Kg	1
Isophorone	ND		367	ug/Kg	1
Naphthalene	ND		367	ug/Kg	1
4-Nitroaniline	ND		367	ug/Kg	1
Nitrobenzene	ND		367	ug/Kg	1
4-Nitrophenol	ND		367	ug/Kg	1
Pentachlorophenol	ND		367	ug/Kg	1
Phenanthrene	ND		367	ug/Kg	1
Phenol	ND		367	ug/Kg	1
Pyrene	ND		367	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		367	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	68.0		41.0-129	%	1
2-Fluorobiphenyl	84.0		48.0-123	%	1
2-Fluorophenol	94.0		42.0-123	%	1
Nitrobenzene-d5	88.0		46.0-117	%	1
Phenol-d6	92.0		48.0-125	%	1
Terphenyl-d14	81.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1060**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/05/2011 01:36**

Prep Batch: **XXX1179**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.1 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-7-6-8**

Client Sample ID: **31-7-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629010-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 11:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		5.79	mg/kg	1
C9-C12 Aliphatic	ND		5.79	mg/kg	1
C9-C10 Aromatic	ND		5.79	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	95.0		70.0-130	%	1
PID - 4-Bromofluorobenzene	94.0		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1131**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/11/2011 23:59**

Prep Batch: **VXX1319**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/11/2011 10:07**
Prep Initial Wt./Vol.: **5.5 g**
Prep Extract Vol: **5 mL**

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Results of **31-7-6-8**

Client Sample ID: **31-7-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629010-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 11:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		5.87	ug/Kg	1
1,1,1-Trichloroethane	ND		5.87	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		5.87	ug/Kg	1
1,1,2-Trichloroethane	ND		5.87	ug/Kg	1
1,1-Dichloroethane	ND		5.87	ug/Kg	1
1,1-Dichloroethene	ND		5.87	ug/Kg	1
1,1-Dichloropropene	ND		5.87	ug/Kg	1
1,2,3-Trichlorobenzene	ND		5.87	ug/Kg	1
1,2,3-Trichloropropane	ND		5.87	ug/Kg	1
1,2,4-Trichlorobenzene	ND		5.87	ug/Kg	1
1,2,4-Trimethylbenzene	ND		5.87	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		35.2	ug/Kg	1
1,2-Dibromoethane	ND		5.87	ug/Kg	1
1,2-Dichlorobenzene	ND		5.87	ug/Kg	1
1,2-Dichloroethane	ND		5.87	ug/Kg	1
1,2-Dichloropropane	ND		5.87	ug/Kg	1
1,3,5-Trimethylbenzene	ND		5.87	ug/Kg	1
1,3-Dichlorobenzene	ND		5.87	ug/Kg	1
1,3-Dichloropropane	ND		5.87	ug/Kg	1
1,4-Dichlorobenzene	ND		5.87	ug/Kg	1
2,2-Dichloropropane	ND		5.87	ug/Kg	1
2-Butanone	ND		29.3	ug/Kg	1
2-Chlorotoluene	ND		5.87	ug/Kg	1
2-Hexanone	ND		14.7	ug/Kg	1
4-Chlorotoluene	ND		5.87	ug/Kg	1
4-Isopropyltoluene	ND		5.87	ug/Kg	1
4-Methyl-2-pentanone	ND		14.7	ug/Kg	1
Acetone	ND		58.7	ug/Kg	1
Benzene	ND		5.87	ug/Kg	1
Bromobenzene	ND		5.87	ug/Kg	1
Bromochloromethane	ND		5.87	ug/Kg	1
Bromodichloromethane	ND		5.87	ug/Kg	1
Bromoform	ND		5.87	ug/Kg	1
Bromomethane	ND		5.87	ug/Kg	1
n-Butylbenzene	ND		5.87	ug/Kg	1
Carbon disulfide	ND		5.87	ug/Kg	1
Carbon tetrachloride	ND		5.87	ug/Kg	1
Chlorobenzene	ND		5.87	ug/Kg	1
Chloroethane	ND		5.87	ug/Kg	1
Chloroform	ND		5.87	ug/Kg	1
Chloromethane	ND		5.87	ug/Kg	1
Dibromochloromethane	ND		5.87	ug/Kg	1
Dibromomethane	ND		5.87	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-7-6-8**

Client Sample ID: **31-7-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629010-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 11:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		5.87	ug/Kg	1
trans-1,3-Dichloropropene	ND		5.87	ug/Kg	1
Diisopropyl Ether	ND		5.87	ug/Kg	1
Ethyl Benzene	ND		5.87	ug/Kg	1
Hexachlorobutadiene	ND		5.87	ug/Kg	1
Isopropylbenzene (Cumene)	ND		5.87	ug/Kg	1
Methyl iodide	ND		5.87	ug/Kg	1
Methylene chloride	ND		23.5	ug/Kg	1
Naphthalene	ND		5.87	ug/Kg	1
Styrene	ND		5.87	ug/Kg	1
Tetrachloroethene	ND		5.87	ug/Kg	1
Toluene	ND		5.87	ug/Kg	1
Trichloroethene	ND		5.87	ug/Kg	1
Trichlorofluoromethane	ND		5.87	ug/Kg	1
Vinyl chloride	ND		5.87	ug/Kg	1
cis-1,2-Dichloroethene	ND		5.87	ug/Kg	1
m,p-Xylene	ND		11.7	ug/Kg	1
n-Propylbenzene	ND		5.87	ug/Kg	1
o-Xylene	ND		5.87	ug/Kg	1
sec-Butylbenzene	ND		5.87	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		5.87	ug/Kg	1
tert-Butylbenzene	ND		5.87	ug/Kg	1
trans-1,2-Dichloroethene	ND		5.87	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		29.3	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	124		55.0-173	%	1
4-Bromofluorobenzene	98.0		23.0-141	%	1
Toluene d8	101		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 14:23**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **5.43 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

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Results of **31-7-6-8**

Client Sample ID: **31-7-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629010-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 11:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		17.6	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		6.28	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		8.42	mg/kg	1
Surrogates					
n-Tricosane	91.0		40.0-140	%	1
o-Terphenyl	48.0		40.0-140	%	1
2-Bromonaphthalene	55.0		40.0-140	%	1
2-Fluorobiphenyl	55.0		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 04:34**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12.17 g**
Prep Extract Vol: **10 mL**

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Results of **31-7-6-8**

Client Sample ID: **31-7-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629010-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 11:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		395	ug/Kg	1
1,2-Dichlorobenzene	ND		395	ug/Kg	1
1,3-Dichlorobenzene	ND		395	ug/Kg	1
1,4-Dichlorobenzene	ND		395	ug/Kg	1
2,4,5-Trichlorophenol	ND		395	ug/Kg	1
2,4,6-Trichlorophenol	ND		395	ug/Kg	1
2,4-Dichlorophenol	ND		395	ug/Kg	1
2,4-Dinitrophenol	ND		790	ug/Kg	1
2,4-Dinitrotoluene	ND		395	ug/Kg	1
2,6-Dinitrotoluene	ND		395	ug/Kg	1
2-Chloronaphthalene	ND		395	ug/Kg	1
2-Chlorophenol	ND		395	ug/Kg	1
2-Methylnaphthalene	ND		395	ug/Kg	1
2-Methylphenol	ND		395	ug/Kg	1
2-Nitroaniline	ND		395	ug/Kg	1
2-Nitrophenol	ND		395	ug/Kg	1
3 and/or 4-Methylphenol	ND		395	ug/Kg	1
3,3'-Dichlorobenzidine	ND		395	ug/Kg	1
3-Nitroaniline	ND		395	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		395	ug/Kg	1
4-Chloro-3-methylphenol	ND		395	ug/Kg	1
4-Chloroaniline	ND		395	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		395	ug/Kg	1
Acenaphthene	ND		395	ug/Kg	1
Acenaphthylene	ND		395	ug/Kg	1
Anthracene	ND		395	ug/Kg	1
Benzo(a)anthracene	ND		395	ug/Kg	1
Benzo(a)pyrene	ND		395	ug/Kg	1
Benzo(b)fluoranthene	ND		395	ug/Kg	1
Benzo(g,h,i)perylene	ND		395	ug/Kg	1
Benzo(k)fluoranthene	ND		395	ug/Kg	1
Benzoic acid	ND		395	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		395	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		395	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		395	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		395	ug/Kg	1
4-Bromophenyl phenyl ether	ND		395	ug/Kg	1
Butyl benzyl phthalate	ND		395	ug/Kg	1
Chrysene	ND		395	ug/Kg	1
Di-n-butyl phthalate	ND		395	ug/Kg	1
Di-n-octyl phthalate	ND		395	ug/Kg	1
Dibenz(a,h)anthracene	ND		395	ug/Kg	1
Dibenzofuran	ND		395	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-7-6-8**

Client Sample ID: **31-7-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629010-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 11:55
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		395	ug/Kg	1
Dimethyl phthalate	ND		395	ug/Kg	1
2,4-Dimethylphenol	ND		395	ug/Kg	1
Diphenylamine	ND		395	ug/Kg	1
Fluoranthene	ND		395	ug/Kg	1
Fluorene	ND		395	ug/Kg	1
Hexachlorobenzene	ND		395	ug/Kg	1
Hexachlorobutadiene	ND		395	ug/Kg	1
Hexachlorocyclopentadiene	ND		395	ug/Kg	1
Hexachloroethane	ND		395	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		395	ug/Kg	1
Isophorone	ND		395	ug/Kg	1
Naphthalene	ND		395	ug/Kg	1
4-Nitroaniline	ND		395	ug/Kg	1
Nitrobenzene	ND		395	ug/Kg	1
4-Nitrophenol	ND		395	ug/Kg	1
Pentachlorophenol	ND		395	ug/Kg	1
Phenanthrene	ND		395	ug/Kg	1
Phenol	ND		395	ug/Kg	1
Pyrene	ND		395	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		395	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	69.0		41.0-129	%	1
2-Fluorobiphenyl	82.0		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	78.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1060**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **04/05/2011 02:00**

Prep Batch: **XXX1179**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.28 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

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Results of **31-8-6-8**

Client Sample ID: **31-8-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629011-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		5.53	mg/kg	1
C9-C12 Aliphatic	ND		5.53	mg/kg	1
C9-C10 Aromatic	ND		5.53	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	95.0		70.0-130	%	1
PID - 4-Bromofluorobenzene	93.0		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1131**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/12/2011 00:26**

Prep Batch: **VXX1319**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/11/2011 10:07**
Prep Initial Wt./Vol.: **5.8 g**
Prep Extract Vol: **5 mL**

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Results of **31-8-6-8**

Client Sample ID: **31-8-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629011-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		5.59	ug/Kg	1
1,1,1-Trichloroethane	ND		5.59	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		5.59	ug/Kg	1
1,1,2-Trichloroethane	ND		5.59	ug/Kg	1
1,1-Dichloroethane	ND		5.59	ug/Kg	1
1,1-Dichloroethene	ND		5.59	ug/Kg	1
1,1-Dichloropropene	ND		5.59	ug/Kg	1
1,2,3-Trichlorobenzene	ND		5.59	ug/Kg	1
1,2,3-Trichloropropane	ND		5.59	ug/Kg	1
1,2,4-Trichlorobenzene	ND		5.59	ug/Kg	1
1,2,4-Trimethylbenzene	ND		5.59	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		33.5	ug/Kg	1
1,2-Dibromoethane	ND		5.59	ug/Kg	1
1,2-Dichlorobenzene	ND		5.59	ug/Kg	1
1,2-Dichloroethane	ND		5.59	ug/Kg	1
1,2-Dichloropropane	ND		5.59	ug/Kg	1
1,3,5-Trimethylbenzene	ND		5.59	ug/Kg	1
1,3-Dichlorobenzene	ND		5.59	ug/Kg	1
1,3-Dichloropropane	ND		5.59	ug/Kg	1
1,4-Dichlorobenzene	ND		5.59	ug/Kg	1
2,2-Dichloropropane	ND		5.59	ug/Kg	1
2-Butanone	ND		27.9	ug/Kg	1
2-Chlorotoluene	ND		5.59	ug/Kg	1
2-Hexanone	ND		14.0	ug/Kg	1
4-Chlorotoluene	ND		5.59	ug/Kg	1
4-Isopropyltoluene	ND		5.59	ug/Kg	1
4-Methyl-2-pentanone	ND		14.0	ug/Kg	1
Acetone	ND		55.9	ug/Kg	1
Benzene	ND		5.59	ug/Kg	1
Bromobenzene	ND		5.59	ug/Kg	1
Bromochloromethane	ND		5.59	ug/Kg	1
Bromodichloromethane	ND		5.59	ug/Kg	1
Bromoform	ND		5.59	ug/Kg	1
Bromomethane	ND		5.59	ug/Kg	1
n-Butylbenzene	ND		5.59	ug/Kg	1
Carbon disulfide	ND		5.59	ug/Kg	1
Carbon tetrachloride	ND		5.59	ug/Kg	1
Chlorobenzene	ND		5.59	ug/Kg	1
Chloroethane	ND		5.59	ug/Kg	1
Chloroform	ND		5.59	ug/Kg	1
Chloromethane	ND		5.59	ug/Kg	1
Dibromochloromethane	ND		5.59	ug/Kg	1
Dibromomethane	ND		5.59	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-8-6-8**

Client Sample ID: **31-8-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629011-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		5.59	ug/Kg	1
trans-1,3-Dichloropropene	ND		5.59	ug/Kg	1
Diisopropyl Ether	ND		5.59	ug/Kg	1
Ethyl Benzene	ND		5.59	ug/Kg	1
Hexachlorobutadiene	ND		5.59	ug/Kg	1
Isopropylbenzene (Cumene)	ND		5.59	ug/Kg	1
Methyl iodide	ND		5.59	ug/Kg	1
Methylene chloride	ND		22.3	ug/Kg	1
Naphthalene	ND		5.59	ug/Kg	1
Styrene	ND		5.59	ug/Kg	1
Tetrachloroethene	ND		5.59	ug/Kg	1
Toluene	ND		5.59	ug/Kg	1
Trichloroethene	ND		5.59	ug/Kg	1
Trichlorofluoromethane	ND		5.59	ug/Kg	1
Vinyl chloride	ND		5.59	ug/Kg	1
cis-1,2-Dichloroethene	ND		5.59	ug/Kg	1
m,p-Xylene	ND		11.2	ug/Kg	1
n-Propylbenzene	ND		5.59	ug/Kg	1
o-Xylene	ND		5.59	ug/Kg	1
sec-Butylbenzene	ND		5.59	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		5.59	ug/Kg	1
tert-Butylbenzene	ND		5.59	ug/Kg	1
trans-1,2-Dichloroethene	ND		5.59	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		27.9	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	125		55.0-173	%	1
4-Bromofluorobenzene	100		23.0-141	%	1
Toluene d8	101		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 14:52**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **5.74 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-8-6-8**

Client Sample ID: **31-8-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629011-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		16.7	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		5.95	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		7.97	mg/kg	1
Surrogates					
n-Tricosane	77.0		40.0-140	%	1
o-Terphenyl	114		40.0-140	%	1
2-Bromonaphthalene	124		40.0-140	%	1
2-Fluorobiphenyl	125		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 05:30**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12.94 g**
Prep Extract Vol: **10 mL**

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Results of **31-8-6-8**

Client Sample ID: **31-8-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629011-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		398	ug/Kg	1
1,2-Dichlorobenzene	ND		398	ug/Kg	1
1,3-Dichlorobenzene	ND		398	ug/Kg	1
1,4-Dichlorobenzene	ND		398	ug/Kg	1
2,4,5-Trichlorophenol	ND		398	ug/Kg	1
2,4,6-Trichlorophenol	ND		398	ug/Kg	1
2,4-Dichlorophenol	ND		398	ug/Kg	1
2,4-Dinitrophenol	ND		794	ug/Kg	1
2,4-Dinitrotoluene	ND		398	ug/Kg	1
2,6-Dinitrotoluene	ND		398	ug/Kg	1
2-Chloronaphthalene	ND		398	ug/Kg	1
2-Chlorophenol	ND		398	ug/Kg	1
2-Methylnaphthalene	ND		398	ug/Kg	1
2-Methylphenol	ND		398	ug/Kg	1
2-Nitroaniline	ND		398	ug/Kg	1
2-Nitrophenol	ND		398	ug/Kg	1
3 and/or 4-Methylphenol	ND		398	ug/Kg	1
3,3'-Dichlorobenzidine	ND		398	ug/Kg	1
3-Nitroaniline	ND		398	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		398	ug/Kg	1
4-Chloro-3-methylphenol	ND		398	ug/Kg	1
4-Chloroaniline	ND		398	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		398	ug/Kg	1
Acenaphthene	ND		398	ug/Kg	1
Acenaphthylene	ND		398	ug/Kg	1
Anthracene	ND		398	ug/Kg	1
Benzo(a)anthracene	ND		398	ug/Kg	1
Benzo(a)pyrene	ND		398	ug/Kg	1
Benzo(b)fluoranthene	ND		398	ug/Kg	1
Benzo(g,h,i)perylene	ND		398	ug/Kg	1
Benzo(k)fluoranthene	ND		398	ug/Kg	1
Benzoic acid	ND		398	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		398	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		398	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		398	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		398	ug/Kg	1
4-Bromophenyl phenyl ether	ND		398	ug/Kg	1
Butyl benzyl phthalate	ND		398	ug/Kg	1
Chrysene	ND		398	ug/Kg	1
Di-n-butyl phthalate	ND		398	ug/Kg	1
Di-n-octyl phthalate	ND		398	ug/Kg	1
Dibenz(a,h)anthracene	ND		398	ug/Kg	1
Dibenzofuran	ND		398	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-8-6-8**

Client Sample ID: **31-8-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629011-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:00
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 78

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		398	ug/Kg	1
Dimethyl phthalate	ND		398	ug/Kg	1
2,4-Dimethylphenol	ND		398	ug/Kg	1
Diphenylamine	ND		398	ug/Kg	1
Fluoranthene	ND		398	ug/Kg	1
Fluorene	ND		398	ug/Kg	1
Hexachlorobenzene	ND		398	ug/Kg	1
Hexachlorobutadiene	ND		398	ug/Kg	1
Hexachlorocyclopentadiene	ND		398	ug/Kg	1
Hexachloroethane	ND		398	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		398	ug/Kg	1
Isophorone	ND		398	ug/Kg	1
Naphthalene	ND		398	ug/Kg	1
4-Nitroaniline	ND		398	ug/Kg	1
Nitrobenzene	ND		398	ug/Kg	1
4-Nitrophenol	ND		398	ug/Kg	1
Pentachlorophenol	ND		398	ug/Kg	1
Phenanthrene	ND		398	ug/Kg	1
Phenol	ND		398	ug/Kg	1
Pyrene	ND		398	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		398	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	67.0		41.0-129	%	1
2-Fluorobiphenyl	89.0		48.0-123	%	1
2-Fluorophenol	96.0		42.0-123	%	1
Nitrobenzene-d5	98.0		46.0-117	%	1
Phenol-d6	94.0		48.0-125	%	1
Terphenyl-d14	107		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1068**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **04/12/2011 10:41**

Prep Batch: **XXX1191**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/07/2011 09:00**
Prep Initial Wt./Vol.: **32.32 g**
Prep Extract Vol: **10 mL**

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Results of **31-9-6-8**

Client Sample ID: **31-9-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629012-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:05
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		5.53	mg/kg	1
C9-C12 Aliphatic	ND		5.53	mg/kg	1
C9-C10 Aromatic	ND		5.53	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: **VGC1131**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/12/2011 00:53**

Prep Batch: **VXX1319**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/11/2011 10:07**
Prep Initial Wt./Vol.: **5.31 g**
Prep Extract Vol: **5 mL**

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Results of **31-9-6-8**

Client Sample ID: **31-9-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629012-C
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:05
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		5.05	ug/Kg	1
1,1,1-Trichloroethane	ND		5.05	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		5.05	ug/Kg	1
1,1,2-Trichloroethane	ND		5.05	ug/Kg	1
1,1-Dichloroethane	ND		5.05	ug/Kg	1
1,1-Dichloroethene	ND		5.05	ug/Kg	1
1,1-Dichloropropene	ND		5.05	ug/Kg	1
1,2,3-Trichlorobenzene	ND		5.05	ug/Kg	1
1,2,3-Trichloropropane	ND		5.05	ug/Kg	1
1,2,4-Trichlorobenzene	ND		5.05	ug/Kg	1
1,2,4-Trimethylbenzene	ND		5.05	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		30.3	ug/Kg	1
1,2-Dibromoethane	ND		5.05	ug/Kg	1
1,2-Dichlorobenzene	ND		5.05	ug/Kg	1
1,2-Dichloroethane	ND		5.05	ug/Kg	1
1,2-Dichloropropane	ND		5.05	ug/Kg	1
1,3,5-Trimethylbenzene	ND		5.05	ug/Kg	1
1,3-Dichlorobenzene	ND		5.05	ug/Kg	1
1,3-Dichloropropane	ND		5.05	ug/Kg	1
1,4-Dichlorobenzene	ND		5.05	ug/Kg	1
2,2-Dichloropropane	ND		5.05	ug/Kg	1
2-Butanone	ND		25.2	ug/Kg	1
2-Chlorotoluene	ND		5.05	ug/Kg	1
2-Hexanone	ND		12.6	ug/Kg	1
4-Chlorotoluene	ND		5.05	ug/Kg	1
4-Isopropyltoluene	ND		5.05	ug/Kg	1
4-Methyl-2-pentanone	ND		12.6	ug/Kg	1
Acetone	ND		50.5	ug/Kg	1
Benzene	ND		5.05	ug/Kg	1
Bromobenzene	ND		5.05	ug/Kg	1
Bromochloromethane	ND		5.05	ug/Kg	1
Bromodichloromethane	ND		5.05	ug/Kg	1
Bromoform	ND		5.05	ug/Kg	1
Bromomethane	ND		5.05	ug/Kg	1
n-Butylbenzene	ND		5.05	ug/Kg	1
Carbon disulfide	ND		5.05	ug/Kg	1
Carbon tetrachloride	ND		5.05	ug/Kg	1
Chlorobenzene	ND		5.05	ug/Kg	1
Chloroethane	ND		5.05	ug/Kg	1
Chloroform	ND		5.05	ug/Kg	1
Chloromethane	ND		5.05	ug/Kg	1
Dibromochloromethane	ND		5.05	ug/Kg	1
Dibromomethane	ND		5.05	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-9-6-8**

Client Sample ID: **31-9-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629012-C
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:05
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		5.05	ug/Kg	1
trans-1,3-Dichloropropene	ND		5.05	ug/Kg	1
Diisopropyl Ether	ND		5.05	ug/Kg	1
Ethyl Benzene	ND		5.05	ug/Kg	1
Hexachlorobutadiene	ND		5.05	ug/Kg	1
Isopropylbenzene (Cumene)	ND		5.05	ug/Kg	1
Methyl iodide	ND		5.05	ug/Kg	1
Methylene chloride	ND		20.2	ug/Kg	1
Naphthalene	ND		5.05	ug/Kg	1
Styrene	ND		5.05	ug/Kg	1
Tetrachloroethene	ND		5.05	ug/Kg	1
Toluene	ND		5.05	ug/Kg	1
Trichloroethene	ND		5.05	ug/Kg	1
Trichlorofluoromethane	ND		5.05	ug/Kg	1
Vinyl chloride	ND		5.05	ug/Kg	1
cis-1,2-Dichloroethene	ND		5.05	ug/Kg	1
m,p-Xylene	ND		10.1	ug/Kg	1
n-Propylbenzene	ND		5.05	ug/Kg	1
o-Xylene	ND		5.05	ug/Kg	1
sec-Butylbenzene	ND		5.05	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		5.05	ug/Kg	1
tert-Butylbenzene	ND		5.05	ug/Kg	1
trans-1,2-Dichloroethene	ND		5.05	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		25.2	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	128		55.0-173	%	1
4-Bromofluorobenzene	98.0		23.0-141	%	1
Toluene d8	102		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 15:22**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **5.81 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-9-6-8**

Client Sample ID: **31-9-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629012-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:05
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		15.0	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		5.37	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		7.20	mg/kg	1
Surrogates					
n-Tricosane	58.0		40.0-140	%	1
o-Terphenyl	82.0		40.0-140	%	1
2-Bromonaphthalene	90.0		40.0-140	%	1
2-Fluorobiphenyl	92.0		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 08:19**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **13.11 g**
Prep Extract Vol: **10 mL**

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Results of **31-9-6-8**

Client Sample ID: **31-9-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629012-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:05
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		368	ug/Kg	1
1,2-Dichlorobenzene	ND		368	ug/Kg	1
1,3-Dichlorobenzene	ND		368	ug/Kg	1
1,4-Dichlorobenzene	ND		368	ug/Kg	1
2,4,5-Trichlorophenol	ND		368	ug/Kg	1
2,4,6-Trichlorophenol	ND		368	ug/Kg	1
2,4-Dichlorophenol	ND		368	ug/Kg	1
2,4-Dinitrophenol	ND		736	ug/Kg	1
2,4-Dinitrotoluene	ND		368	ug/Kg	1
2,6-Dinitrotoluene	ND		368	ug/Kg	1
2-Chloronaphthalene	ND		368	ug/Kg	1
2-Chlorophenol	ND		368	ug/Kg	1
2-Methylnaphthalene	ND		368	ug/Kg	1
2-Methylphenol	ND		368	ug/Kg	1
2-Nitroaniline	ND		368	ug/Kg	1
2-Nitrophenol	ND		368	ug/Kg	1
3 and/or 4-Methylphenol	ND		368	ug/Kg	1
3,3'-Dichlorobenzidine	ND		368	ug/Kg	1
3-Nitroaniline	ND		368	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		368	ug/Kg	1
4-Chloro-3-methylphenol	ND		368	ug/Kg	1
4-Chloroaniline	ND		368	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		368	ug/Kg	1
Acenaphthene	ND		368	ug/Kg	1
Acenaphthylene	ND		368	ug/Kg	1
Anthracene	ND		368	ug/Kg	1
Benzo(a)anthracene	ND		368	ug/Kg	1
Benzo(a)pyrene	ND		368	ug/Kg	1
Benzo(b)fluoranthene	ND		368	ug/Kg	1
Benzo(g,h,i)perylene	ND		368	ug/Kg	1
Benzo(k)fluoranthene	ND		368	ug/Kg	1
Benzoic acid	ND		368	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		368	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		368	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		368	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		368	ug/Kg	1
4-Bromophenyl phenyl ether	ND		368	ug/Kg	1
Butyl benzyl phthalate	ND		368	ug/Kg	1
Chrysene	ND		368	ug/Kg	1
Di-n-butyl phthalate	ND		368	ug/Kg	1
Di-n-octyl phthalate	ND		368	ug/Kg	1
Dibenz(a,h)anthracene	ND		368	ug/Kg	1
Dibenzofuran	ND		368	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-9-6-8**

Client Sample ID: **31-9-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629012-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:05
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 85

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		368	ug/Kg	1
Dimethyl phthalate	ND		368	ug/Kg	1
2,4-Dimethylphenol	ND		368	ug/Kg	1
Diphenylamine	ND		368	ug/Kg	1
Fluoranthene	ND		368	ug/Kg	1
Fluorene	ND		368	ug/Kg	1
Hexachlorobenzene	ND		368	ug/Kg	1
Hexachlorobutadiene	ND		368	ug/Kg	1
Hexachlorocyclopentadiene	ND		368	ug/Kg	1
Hexachloroethane	ND		368	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		368	ug/Kg	1
Isophorone	ND		368	ug/Kg	1
Naphthalene	ND		368	ug/Kg	1
4-Nitroaniline	ND		368	ug/Kg	1
Nitrobenzene	ND		368	ug/Kg	1
4-Nitrophenol	ND		368	ug/Kg	1
Pentachlorophenol	ND		368	ug/Kg	1
Phenanthrene	ND		368	ug/Kg	1
Phenol	ND		368	ug/Kg	1
Pyrene	ND		368	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		368	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	53.0		41.0-129	%	1
2-Fluorobiphenyl	74.0		48.0-123	%	1
2-Fluorophenol	81.0		42.0-123	%	1
Nitrobenzene-d5	82.0		46.0-117	%	1
Phenol-d6	80.0		48.0-125	%	1
Terphenyl-d14	89.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1068**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **04/12/2011 11:04**

Prep Batch: **XXX1191**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/07/2011 09:00**
Prep Initial Wt./Vol.: **31.91 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-10-6-8**

Client Sample ID: **31-10-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629013-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		5.75	mg/kg	1
C9-C12 Aliphatic	ND		5.75	mg/kg	1
C9-C10 Aromatic	ND		5.75	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	99.0		70.0-130	%	1
PID - 4-Bromofluorobenzene	96.0		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1131**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/12/2011 01:20**

Prep Batch: **VXX1319**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/11/2011 10:07**
Prep Initial Wt./Vol.: **4.96 g**
Prep Extract Vol: **5 mL**

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Results of **31-10-6-8**

Client Sample ID: **31-10-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629013-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		5.00	ug/Kg	1
1,1,1-Trichloroethane	ND		5.00	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		5.00	ug/Kg	1
1,1,2-Trichloroethane	ND		5.00	ug/Kg	1
1,1-Dichloroethane	ND		5.00	ug/Kg	1
1,1-Dichloroethene	ND		5.00	ug/Kg	1
1,1-Dichloropropene	ND		5.00	ug/Kg	1
1,2,3-Trichlorobenzene	ND		5.00	ug/Kg	1
1,2,3-Trichloropropane	ND		5.00	ug/Kg	1
1,2,4-Trichlorobenzene	ND		5.00	ug/Kg	1
1,2,4-Trimethylbenzene	ND		5.00	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		30.0	ug/Kg	1
1,2-Dibromoethane	ND		5.00	ug/Kg	1
1,2-Dichlorobenzene	ND		5.00	ug/Kg	1
1,2-Dichloroethane	ND		5.00	ug/Kg	1
1,2-Dichloropropane	ND		5.00	ug/Kg	1
1,3,5-Trimethylbenzene	ND		5.00	ug/Kg	1
1,3-Dichlorobenzene	ND		5.00	ug/Kg	1
1,3-Dichloropropane	ND		5.00	ug/Kg	1
1,4-Dichlorobenzene	ND		5.00	ug/Kg	1
2,2-Dichloropropane	ND		5.00	ug/Kg	1
2-Butanone	ND		25.0	ug/Kg	1
2-Chlorotoluene	ND		5.00	ug/Kg	1
2-Hexanone	ND		12.5	ug/Kg	1
4-Chlorotoluene	ND		5.00	ug/Kg	1
4-Isopropyltoluene	ND		5.00	ug/Kg	1
4-Methyl-2-pentanone	ND		12.5	ug/Kg	1
Acetone	ND		50.0	ug/Kg	1
Benzene	ND		5.00	ug/Kg	1
Bromobenzene	ND		5.00	ug/Kg	1
Bromochloromethane	ND		5.00	ug/Kg	1
Bromodichloromethane	ND		5.00	ug/Kg	1
Bromoform	ND		5.00	ug/Kg	1
Bromomethane	ND		5.00	ug/Kg	1
n-Butylbenzene	ND		5.00	ug/Kg	1
Carbon disulfide	ND		5.00	ug/Kg	1
Carbon tetrachloride	ND		5.00	ug/Kg	1
Chlorobenzene	ND		5.00	ug/Kg	1
Chloroethane	ND		5.00	ug/Kg	1
Chloroform	ND		5.00	ug/Kg	1
Chloromethane	ND		5.00	ug/Kg	1
Dibromochloromethane	ND		5.00	ug/Kg	1
Dibromomethane	ND		5.00	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-10-6-8**

Client Sample ID: **31-10-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629013-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		5.00	ug/Kg	1
trans-1,3-Dichloropropene	ND		5.00	ug/Kg	1
Diisopropyl Ether	ND		5.00	ug/Kg	1
Ethyl Benzene	ND		5.00	ug/Kg	1
Hexachlorobutadiene	ND		5.00	ug/Kg	1
Isopropylbenzene (Cumene)	ND		5.00	ug/Kg	1
Methyl iodide	ND		5.00	ug/Kg	1
Methylene chloride	ND		20.0	ug/Kg	1
Naphthalene	ND		5.00	ug/Kg	1
Styrene	ND		5.00	ug/Kg	1
Tetrachloroethene	ND		5.00	ug/Kg	1
Toluene	ND		5.00	ug/Kg	1
Trichloroethene	ND		5.00	ug/Kg	1
Trichlorofluoromethane	ND		5.00	ug/Kg	1
Vinyl chloride	ND		5.00	ug/Kg	1
cis-1,2-Dichloroethene	ND		5.00	ug/Kg	1
m,p-Xylene	ND		9.99	ug/Kg	1
n-Propylbenzene	ND		5.00	ug/Kg	1
o-Xylene	ND		5.00	ug/Kg	1
sec-Butylbenzene	ND		5.00	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		5.00	ug/Kg	1
tert-Butylbenzene	ND		5.00	ug/Kg	1
trans-1,2-Dichloroethene	ND		5.00	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		25.0	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	127		55.0-173	%	1
4-Bromofluorobenzene	97.0		23.0-141	%	1
Toluene d8	101		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 15:51**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **5.71 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-10-6-8**

Client Sample ID: **31-10-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629013-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		15.5	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		5.54	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		7.42	mg/kg	1
Surrogates					
n-Tricosane	106		40.0-140	%	1
o-Terphenyl	91.0		40.0-140	%	1
2-Bromonaphthalene	106		40.0-140	%	1
2-Fluorobiphenyl	107		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 09:15**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12.37 g**
Prep Extract Vol: **10 mL**

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Results of **31-10-6-8**

Client Sample ID: **31-10-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629013-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		366	ug/Kg	1
1,2-Dichlorobenzene	ND		366	ug/Kg	1
1,3-Dichlorobenzene	ND		366	ug/Kg	1
1,4-Dichlorobenzene	ND		366	ug/Kg	1
2,4,5-Trichlorophenol	ND		366	ug/Kg	1
2,4,6-Trichlorophenol	ND		366	ug/Kg	1
2,4-Dichlorophenol	ND		366	ug/Kg	1
2,4-Dinitrophenol	ND		730	ug/Kg	1
2,4-Dinitrotoluene	ND		366	ug/Kg	1
2,6-Dinitrotoluene	ND		366	ug/Kg	1
2-Chloronaphthalene	ND		366	ug/Kg	1
2-Chlorophenol	ND		366	ug/Kg	1
2-Methylnaphthalene	ND		366	ug/Kg	1
2-Methylphenol	ND		366	ug/Kg	1
2-Nitroaniline	ND		366	ug/Kg	1
2-Nitrophenol	ND		366	ug/Kg	1
3 and/or 4-Methylphenol	ND		366	ug/Kg	1
3,3'-Dichlorobenzidine	ND		366	ug/Kg	1
3-Nitroaniline	ND		366	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		366	ug/Kg	1
4-Chloro-3-methylphenol	ND		366	ug/Kg	1
4-Chloroaniline	ND		366	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		366	ug/Kg	1
Acenaphthene	ND		366	ug/Kg	1
Acenaphthylene	ND		366	ug/Kg	1
Anthracene	ND		366	ug/Kg	1
Benzo(a)anthracene	ND		366	ug/Kg	1
Benzo(a)pyrene	ND		366	ug/Kg	1
Benzo(b)fluoranthene	ND		366	ug/Kg	1
Benzo(g,h,i)perylene	ND		366	ug/Kg	1
Benzo(k)fluoranthene	ND		366	ug/Kg	1
Benzoic acid	ND		366	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		366	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		366	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		366	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		366	ug/Kg	1
4-Bromophenyl phenyl ether	ND		366	ug/Kg	1
Butyl benzyl phthalate	ND		366	ug/Kg	1
Chrysene	ND		366	ug/Kg	1
Di-n-butyl phthalate	ND		366	ug/Kg	1
Di-n-octyl phthalate	ND		366	ug/Kg	1
Dibenz(a,h)anthracene	ND		366	ug/Kg	1
Dibenzofuran	ND		366	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-10-6-8**

Client Sample ID: **31-10-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629013-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:10
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		366	ug/Kg	1
Dimethyl phthalate	ND		366	ug/Kg	1
2,4-Dimethylphenol	ND		366	ug/Kg	1
Diphenylamine	ND		366	ug/Kg	1
Fluoranthene	ND		366	ug/Kg	1
Fluorene	ND		366	ug/Kg	1
Hexachlorobenzene	ND		366	ug/Kg	1
Hexachlorobutadiene	ND		366	ug/Kg	1
Hexachlorocyclopentadiene	ND		366	ug/Kg	1
Hexachloroethane	ND		366	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		366	ug/Kg	1
Isophorone	ND		366	ug/Kg	1
Naphthalene	ND		366	ug/Kg	1
4-Nitroaniline	ND		366	ug/Kg	1
Nitrobenzene	ND		366	ug/Kg	1
4-Nitrophenol	ND		366	ug/Kg	1
Pentachlorophenol	ND		366	ug/Kg	1
Phenanthrene	ND		366	ug/Kg	1
Phenol	ND		366	ug/Kg	1
Pyrene	ND		366	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		366	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	51.0		41.0-129	%	1
2-Fluorobiphenyl	78.0		48.0-123	%	1
2-Fluorophenol	79.0		42.0-123	%	1
Nitrobenzene-d5	84.0		46.0-117	%	1
Phenol-d6	79.0		48.0-125	%	1
Terphenyl-d14	97.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1068**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **04/12/2011 11:27**

Prep Batch: **XXX1191**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/07/2011 09:00**
Prep Initial Wt./Vol.: **31.26 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-11-6-8**

Client Sample ID: **31-11-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629014-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:20
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 90

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		4.66	mg/kg	1
C9-C12 Aliphatic	ND		4.66	mg/kg	1
C9-C10 Aromatic	ND		4.66	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	101		70.0-130	%	1
PID - 4-Bromofluorobenzene	98.0		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1131**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/12/2011 01:48**

Prep Batch: **VXX1319**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/11/2011 10:07**
Prep Initial Wt./Vol.: **5.99 g**
Prep Extract Vol: **5 mL**

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Results of **31-11-6-8**

Client Sample ID: **31-11-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629014-D
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:20
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 90

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		4.44	ug/Kg	1
1,1,1-Trichloroethane	ND		4.44	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		4.44	ug/Kg	1
1,1,2-Trichloroethane	ND		4.44	ug/Kg	1
1,1-Dichloroethane	ND		4.44	ug/Kg	1
1,1-Dichloroethene	ND		4.44	ug/Kg	1
1,1-Dichloropropene	ND		4.44	ug/Kg	1
1,2,3-Trichlorobenzene	ND		4.44	ug/Kg	1
1,2,3-Trichloropropane	ND		4.44	ug/Kg	1
1,2,4-Trichlorobenzene	ND		4.44	ug/Kg	1
1,2,4-Trimethylbenzene	ND		4.44	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		26.6	ug/Kg	1
1,2-Dibromoethane	ND		4.44	ug/Kg	1
1,2-Dichlorobenzene	ND		4.44	ug/Kg	1
1,2-Dichloroethane	ND		4.44	ug/Kg	1
1,2-Dichloropropane	ND		4.44	ug/Kg	1
1,3,5-Trimethylbenzene	ND		4.44	ug/Kg	1
1,3-Dichlorobenzene	ND		4.44	ug/Kg	1
1,3-Dichloropropane	ND		4.44	ug/Kg	1
1,4-Dichlorobenzene	ND		4.44	ug/Kg	1
2,2-Dichloropropane	ND		4.44	ug/Kg	1
2-Butanone	ND		22.2	ug/Kg	1
2-Chlorotoluene	ND		4.44	ug/Kg	1
2-Hexanone	ND		11.1	ug/Kg	1
4-Chlorotoluene	ND		4.44	ug/Kg	1
4-Isopropyltoluene	ND		4.44	ug/Kg	1
4-Methyl-2-pentanone	ND		11.1	ug/Kg	1
Acetone	ND		44.4	ug/Kg	1
Benzene	ND		4.44	ug/Kg	1
Bromobenzene	ND		4.44	ug/Kg	1
Bromochloromethane	ND		4.44	ug/Kg	1
Bromodichloromethane	ND		4.44	ug/Kg	1
Bromoform	ND		4.44	ug/Kg	1
Bromomethane	ND		4.44	ug/Kg	1
n-Butylbenzene	ND		4.44	ug/Kg	1
Carbon disulfide	ND		4.44	ug/Kg	1
Carbon tetrachloride	ND		4.44	ug/Kg	1
Chlorobenzene	ND		4.44	ug/Kg	1
Chloroethane	ND		4.44	ug/Kg	1
Chloroform	ND		4.44	ug/Kg	1
Chloromethane	ND		4.44	ug/Kg	1
Dibromochloromethane	ND		4.44	ug/Kg	1
Dibromomethane	ND		4.44	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-11-6-8**

Client Sample ID: **31-11-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629014-D
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:20
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 90

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		4.44	ug/Kg	1
trans-1,3-Dichloropropene	ND		4.44	ug/Kg	1
Diisopropyl Ether	ND		4.44	ug/Kg	1
Ethyl Benzene	ND		4.44	ug/Kg	1
Hexachlorobutadiene	ND		4.44	ug/Kg	1
Isopropylbenzene (Cumene)	ND		4.44	ug/Kg	1
Methyl iodide	ND		4.44	ug/Kg	1
Methylene chloride	ND		17.7	ug/Kg	1
Naphthalene	ND		4.44	ug/Kg	1
Styrene	ND		4.44	ug/Kg	1
Tetrachloroethene	ND		4.44	ug/Kg	1
Toluene	ND		4.44	ug/Kg	1
Trichloroethene	ND		4.44	ug/Kg	1
Trichlorofluoromethane	ND		4.44	ug/Kg	1
Vinyl chloride	ND		4.44	ug/Kg	1
cis-1,2-Dichloroethene	ND		4.44	ug/Kg	1
m,p-Xylene	ND		8.87	ug/Kg	1
n-Propylbenzene	ND		4.44	ug/Kg	1
o-Xylene	ND		4.44	ug/Kg	1
sec-Butylbenzene	ND		4.44	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		4.44	ug/Kg	1
tert-Butylbenzene	ND		4.44	ug/Kg	1
trans-1,2-Dichloroethene	ND		4.44	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		22.2	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	124		55.0-173	%	1
4-Bromofluorobenzene	101		23.0-141	%	1
Toluene d8	100		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 16:21**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **6.29 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-11-6-8**

Client Sample ID: **31-11-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629014-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:20
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 90

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		15.6	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		5.58	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		7.48	mg/kg	1
Surrogates					
n-Tricosane	99.0		40.0-140	%	1
o-Terphenyl	81.0		40.0-140	%	1
2-Bromonaphthalene	100		40.0-140	%	1
2-Fluorobiphenyl	101		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 10:12**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12 g**
Prep Extract Vol: **10 mL**

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Results of **31-11-6-8**

Client Sample ID: **31-11-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629014-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:20
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 90

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		352	ug/Kg	1
1,2-Dichlorobenzene	ND		352	ug/Kg	1
1,3-Dichlorobenzene	ND		352	ug/Kg	1
1,4-Dichlorobenzene	ND		352	ug/Kg	1
2,4,5-Trichlorophenol	ND		352	ug/Kg	1
2,4,6-Trichlorophenol	ND		352	ug/Kg	1
2,4-Dichlorophenol	ND		352	ug/Kg	1
2,4-Dinitrophenol	ND		702	ug/Kg	1
2,4-Dinitrotoluene	ND		352	ug/Kg	1
2,6-Dinitrotoluene	ND		352	ug/Kg	1
2-Chloronaphthalene	ND		352	ug/Kg	1
2-Chlorophenol	ND		352	ug/Kg	1
2-Methylnaphthalene	ND		352	ug/Kg	1
2-Methylphenol	ND		352	ug/Kg	1
2-Nitroaniline	ND		352	ug/Kg	1
2-Nitrophenol	ND		352	ug/Kg	1
3 and/or 4-Methylphenol	ND		352	ug/Kg	1
3,3'-Dichlorobenzidine	ND		352	ug/Kg	1
3-Nitroaniline	ND		352	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		352	ug/Kg	1
4-Chloro-3-methylphenol	ND		352	ug/Kg	1
4-Chloroaniline	ND		352	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		352	ug/Kg	1
Acenaphthene	ND		352	ug/Kg	1
Acenaphthylene	ND		352	ug/Kg	1
Anthracene	ND		352	ug/Kg	1
Benzo(a)anthracene	ND		352	ug/Kg	1
Benzo(a)pyrene	ND		352	ug/Kg	1
Benzo(b)fluoranthene	ND		352	ug/Kg	1
Benzo(g,h,i)perylene	ND		352	ug/Kg	1
Benzo(k)fluoranthene	ND		352	ug/Kg	1
Benzoic acid	ND		352	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		352	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		352	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		352	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		352	ug/Kg	1
4-Bromophenyl phenyl ether	ND		352	ug/Kg	1
Butyl benzyl phthalate	ND		352	ug/Kg	1
Chrysene	ND		352	ug/Kg	1
Di-n-butyl phthalate	ND		352	ug/Kg	1
Di-n-octyl phthalate	ND		352	ug/Kg	1
Dibenz(a,h)anthracene	ND		352	ug/Kg	1
Dibenzofuran	ND		352	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-11-6-8**

Client Sample ID: **31-11-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629014-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:20
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 90

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		352	ug/Kg	1
Dimethyl phthalate	ND		352	ug/Kg	1
2,4-Dimethylphenol	ND		352	ug/Kg	1
Diphenylamine	ND		352	ug/Kg	1
Fluoranthene	ND		352	ug/Kg	1
Fluorene	ND		352	ug/Kg	1
Hexachlorobenzene	ND		352	ug/Kg	1
Hexachlorobutadiene	ND		352	ug/Kg	1
Hexachlorocyclopentadiene	ND		352	ug/Kg	1
Hexachloroethane	ND		352	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		352	ug/Kg	1
Isophorone	ND		352	ug/Kg	1
Naphthalene	ND		352	ug/Kg	1
4-Nitroaniline	ND		352	ug/Kg	1
Nitrobenzene	ND		352	ug/Kg	1
4-Nitrophenol	ND		352	ug/Kg	1
Pentachlorophenol	ND		352	ug/Kg	1
Phenanthrene	ND		352	ug/Kg	1
Phenol	ND		352	ug/Kg	1
Pyrene	ND		352	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		352	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	49.0		41.0-129	%	1
2-Fluorobiphenyl	78.0		48.0-123	%	1
2-Fluorophenol	85.0		42.0-123	%	1
Nitrobenzene-d5	86.0		46.0-117	%	1
Phenol-d6	84.0		48.0-125	%	1
Terphenyl-d14	99.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1068**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **04/12/2011 11:50**

Prep Batch: **XXX1191**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/07/2011 09:00**
Prep Initial Wt./Vol.: **31.79 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-12-6-8**

Client Sample ID: **31-12-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629015-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 84

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		6.20	mg/kg	1
C9-C12 Aliphatic	ND		6.20	mg/kg	1
C9-C10 Aromatic	ND		6.20	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	97.0		70.0-130	%	1
PID - 4-Bromofluorobenzene	93.0		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1131**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/12/2011 02:15**

Prep Batch: **VXX1319**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/11/2011 10:07**
Prep Initial Wt./Vol.: **4.79 g**
Prep Extract Vol: **5 mL**

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Results of **31-12-6-8**

Client Sample ID: **31-12-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629015-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 84

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		5.82	ug/Kg	1
1,1,1-Trichloroethane	ND		5.82	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		5.82	ug/Kg	1
1,1,2-Trichloroethane	ND		5.82	ug/Kg	1
1,1-Dichloroethane	ND		5.82	ug/Kg	1
1,1-Dichloroethene	ND		5.82	ug/Kg	1
1,1-Dichloropropene	ND		5.82	ug/Kg	1
1,2,3-Trichlorobenzene	ND		5.82	ug/Kg	1
1,2,3-Trichloropropane	ND		5.82	ug/Kg	1
1,2,4-Trichlorobenzene	ND		5.82	ug/Kg	1
1,2,4-Trimethylbenzene	ND		5.82	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		34.9	ug/Kg	1
1,2-Dibromoethane	ND		5.82	ug/Kg	1
1,2-Dichlorobenzene	ND		5.82	ug/Kg	1
1,2-Dichloroethane	ND		5.82	ug/Kg	1
1,2-Dichloropropane	ND		5.82	ug/Kg	1
1,3,5-Trimethylbenzene	ND		5.82	ug/Kg	1
1,3-Dichlorobenzene	ND		5.82	ug/Kg	1
1,3-Dichloropropane	ND		5.82	ug/Kg	1
1,4-Dichlorobenzene	ND		5.82	ug/Kg	1
2,2-Dichloropropane	ND		5.82	ug/Kg	1
2-Butanone	ND		29.1	ug/Kg	1
2-Chlorotoluene	ND		5.82	ug/Kg	1
2-Hexanone	ND		14.6	ug/Kg	1
4-Chlorotoluene	ND		5.82	ug/Kg	1
4-Isopropyltoluene	ND		5.82	ug/Kg	1
4-Methyl-2-pentanone	ND		14.6	ug/Kg	1
Acetone	ND		58.2	ug/Kg	1
Benzene	ND		5.82	ug/Kg	1
Bromobenzene	ND		5.82	ug/Kg	1
Bromochloromethane	ND		5.82	ug/Kg	1
Bromodichloromethane	ND		5.82	ug/Kg	1
Bromoform	ND		5.82	ug/Kg	1
Bromomethane	ND		5.82	ug/Kg	1
n-Butylbenzene	ND		5.82	ug/Kg	1
Carbon disulfide	ND		5.82	ug/Kg	1
Carbon tetrachloride	ND		5.82	ug/Kg	1
Chlorobenzene	ND		5.82	ug/Kg	1
Chloroethane	ND		5.82	ug/Kg	1
Chloroform	ND		5.82	ug/Kg	1
Chloromethane	ND		5.82	ug/Kg	1
Dibromochloromethane	ND		5.82	ug/Kg	1
Dibromomethane	ND		5.82	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-12-6-8**

Client Sample ID: **31-12-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629015-B
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 84

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		5.82	ug/Kg	1
trans-1,3-Dichloropropene	ND		5.82	ug/Kg	1
Diisopropyl Ether	ND		5.82	ug/Kg	1
Ethyl Benzene	ND		5.82	ug/Kg	1
Hexachlorobutadiene	ND		5.82	ug/Kg	1
Isopropylbenzene (Cumene)	ND		5.82	ug/Kg	1
Methyl iodide	ND		5.82	ug/Kg	1
Methylene chloride	ND		23.3	ug/Kg	1
Naphthalene	ND		5.82	ug/Kg	1
Styrene	ND		5.82	ug/Kg	1
Tetrachloroethene	ND		5.82	ug/Kg	1
Toluene	ND		5.82	ug/Kg	1
Trichloroethene	ND		5.82	ug/Kg	1
Trichlorofluoromethane	ND		5.82	ug/Kg	1
Vinyl chloride	ND		5.82	ug/Kg	1
cis-1,2-Dichloroethene	ND		5.82	ug/Kg	1
m,p-Xylene	ND		11.6	ug/Kg	1
n-Propylbenzene	ND		5.82	ug/Kg	1
o-Xylene	ND		5.82	ug/Kg	1
sec-Butylbenzene	ND		5.82	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		5.82	ug/Kg	1
tert-Butylbenzene	ND		5.82	ug/Kg	1
trans-1,2-Dichloroethene	ND		5.82	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		29.1	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	124		55.0-173	%	1
4-Bromofluorobenzene	98.0		23.0-141	%	1
Toluene d8	101		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 16:50**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **5.1 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-12-6-8**

Client Sample ID: **31-12-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629015-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 84

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	ND		16.0	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	ND		5.72	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		7.66	mg/kg	1
Surrogates					
n-Tricosane	110		40.0-140	%	1
o-Terphenyl	69.0		40.0-140	%	1
2-Bromonaphthalene	78.0		40.0-140	%	1
2-Fluorobiphenyl	79.0		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 11:07**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12.46 g**
Prep Extract Vol: **10 mL**

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Results of **31-12-6-8**

Client Sample ID: **31-12-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629015-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 84

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		369	ug/Kg	1
1,2-Dichlorobenzene	ND		369	ug/Kg	1
1,3-Dichlorobenzene	ND		369	ug/Kg	1
1,4-Dichlorobenzene	ND		369	ug/Kg	1
2,4,5-Trichlorophenol	ND		369	ug/Kg	1
2,4,6-Trichlorophenol	ND		369	ug/Kg	1
2,4-Dichlorophenol	ND		369	ug/Kg	1
2,4-Dinitrophenol	ND		737	ug/Kg	1
2,4-Dinitrotoluene	ND		369	ug/Kg	1
2,6-Dinitrotoluene	ND		369	ug/Kg	1
2-Chloronaphthalene	ND		369	ug/Kg	1
2-Chlorophenol	ND		369	ug/Kg	1
2-Methylnaphthalene	ND		369	ug/Kg	1
2-Methylphenol	ND		369	ug/Kg	1
2-Nitroaniline	ND		369	ug/Kg	1
2-Nitrophenol	ND		369	ug/Kg	1
3 and/or 4-Methylphenol	ND		369	ug/Kg	1
3,3'-Dichlorobenzidine	ND		369	ug/Kg	1
3-Nitroaniline	ND		369	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		369	ug/Kg	1
4-Chloro-3-methylphenol	ND		369	ug/Kg	1
4-Chloroaniline	ND		369	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		369	ug/Kg	1
Acenaphthene	ND		369	ug/Kg	1
Acenaphthylene	ND		369	ug/Kg	1
Anthracene	ND		369	ug/Kg	1
Benzo(a)anthracene	ND		369	ug/Kg	1
Benzo(a)pyrene	ND		369	ug/Kg	1
Benzo(b)fluoranthene	ND		369	ug/Kg	1
Benzo(g,h,i)perylene	ND		369	ug/Kg	1
Benzo(k)fluoranthene	ND		369	ug/Kg	1
Benzoic acid	ND		369	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		369	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		369	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		369	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		369	ug/Kg	1
4-Bromophenyl phenyl ether	ND		369	ug/Kg	1
Butyl benzyl phthalate	ND		369	ug/Kg	1
Chrysene	ND		369	ug/Kg	1
Di-n-butyl phthalate	ND		369	ug/Kg	1
Di-n-octyl phthalate	ND		369	ug/Kg	1
Dibenz(a,h)anthracene	ND		369	ug/Kg	1
Dibenzofuran	ND		369	ug/Kg	1

Print Date: 04/18/2011

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Results of **31-12-6-8**

Client Sample ID: **31-12-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629015-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:30
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 84

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		369	ug/Kg	1
Dimethyl phthalate	ND		369	ug/Kg	1
2,4-Dimethylphenol	ND		369	ug/Kg	1
Diphenylamine	ND		369	ug/Kg	1
Fluoranthene	ND		369	ug/Kg	1
Fluorene	ND		369	ug/Kg	1
Hexachlorobenzene	ND		369	ug/Kg	1
Hexachlorobutadiene	ND		369	ug/Kg	1
Hexachlorocyclopentadiene	ND		369	ug/Kg	1
Hexachloroethane	ND		369	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		369	ug/Kg	1
Isophorone	ND		369	ug/Kg	1
Naphthalene	ND		369	ug/Kg	1
4-Nitroaniline	ND		369	ug/Kg	1
Nitrobenzene	ND		369	ug/Kg	1
4-Nitrophenol	ND		369	ug/Kg	1
Pentachlorophenol	ND		369	ug/Kg	1
Phenanthrene	ND		369	ug/Kg	1
Phenol	ND		369	ug/Kg	1
Pyrene	ND		369	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		369	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	49.0		41.0-129	%	1
2-Fluorobiphenyl	78.0		48.0-123	%	1
2-Fluorophenol	86.0		42.0-123	%	1
Nitrobenzene-d5	85.0		46.0-117	%	1
Phenol-d6	85.0		48.0-125	%	1
Terphenyl-d14	99.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1068**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **04/12/2011 12:14**

Prep Batch: **XXX1191**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/07/2011 09:00**
Prep Initial Wt./Vol.: **32.22 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-13-6-8**

Client Sample ID: **31-13-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629016-E
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **MADEP VPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C5-C8 Aliphatic	ND		5.43	mg/kg	1
C9-C12 Aliphatic	**21.1**		5.43	mg/kg	1
C9-C10 Aromatic	**12.3**		5.43	mg/kg	1
Surrogates					
FID - 4-Bromofluorobenzene	97.0		70.0-130	%	1
PID - 4-Bromofluorobenzene	93.0		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1131**
Analytical Method: **MADEP VPH**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/12/2011 02:42**

Prep Batch: **VXX1319**
Prep Method: **SW-846 5035 VPH prep**
Prep Date/Time: **04/11/2011 10:07**
Prep Initial Wt./Vol.: **5.21 g**
Prep Extract Vol: **5 mL**

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Results of **31-13-6-8**

Client Sample ID: **31-13-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629016-C
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,1,1,2-Tetrachloroethane	ND		5.26	ug/Kg	1
1,1,1-Trichloroethane	ND		5.26	ug/Kg	1
1,1,2,2-Tetrachloroethane	ND		5.26	ug/Kg	1
1,1,2-Trichloroethane	ND		5.26	ug/Kg	1
1,1-Dichloroethane	ND		5.26	ug/Kg	1
1,1-Dichloroethene	ND		5.26	ug/Kg	1
1,1-Dichloropropene	ND		5.26	ug/Kg	1
1,2,3-Trichlorobenzene	ND		5.26	ug/Kg	1
1,2,3-Trichloropropane	ND		5.26	ug/Kg	1
1,2,4-Trichlorobenzene	ND		5.26	ug/Kg	1
1,2,4-Trimethylbenzene	ND		5.26	ug/Kg	1
1,2-Dibromo-3-chloropropane	ND		31.5	ug/Kg	1
1,2-Dibromoethane	ND		5.26	ug/Kg	1
1,2-Dichlorobenzene	ND		5.26	ug/Kg	1
1,2-Dichloroethane	ND		5.26	ug/Kg	1
1,2-Dichloropropane	ND		5.26	ug/Kg	1
1,3,5-Trimethylbenzene	ND		5.26	ug/Kg	1
1,3-Dichlorobenzene	ND		5.26	ug/Kg	1
1,3-Dichloropropane	ND		5.26	ug/Kg	1
1,4-Dichlorobenzene	ND		5.26	ug/Kg	1
2,2-Dichloropropane	ND		5.26	ug/Kg	1
2-Butanone	ND		26.3	ug/Kg	1
2-Chlorotoluene	ND		5.26	ug/Kg	1
2-Hexanone	ND		13.1	ug/Kg	1
4-Chlorotoluene	ND		5.26	ug/Kg	1
4-Isopropyltoluene	ND		5.26	ug/Kg	1
4-Methyl-2-pentanone	ND		13.1	ug/Kg	1
Acetone	ND		52.6	ug/Kg	1
Benzene	ND		5.26	ug/Kg	1
Bromobenzene	ND		5.26	ug/Kg	1
Bromochloromethane	ND		5.26	ug/Kg	1
Bromodichloromethane	ND		5.26	ug/Kg	1
Bromoform	ND		5.26	ug/Kg	1
Bromomethane	ND		5.26	ug/Kg	1
n-Butylbenzene	ND		5.26	ug/Kg	1
Carbon disulfide	ND		5.26	ug/Kg	1
Carbon tetrachloride	ND		5.26	ug/Kg	1
Chlorobenzene	ND		5.26	ug/Kg	1
Chloroethane	ND		5.26	ug/Kg	1
Chloroform	ND		5.26	ug/Kg	1
Chloromethane	ND		5.26	ug/Kg	1
Dibromochloromethane	ND		5.26	ug/Kg	1
Dibromomethane	ND		5.26	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-13-6-8**

Client Sample ID: **31-13-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629016-C
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **SW-846 8260B**

Parameter	Result	Qual	LOQ/CL	Units	DF
cis-1,3-Dichloropropene	ND		5.26	ug/Kg	1
trans-1,3-Dichloropropene	ND		5.26	ug/Kg	1
Diisopropyl Ether	ND		5.26	ug/Kg	1
Ethyl Benzene	ND		5.26	ug/Kg	1
Hexachlorobutadiene	ND		5.26	ug/Kg	1
Isopropylbenzene (Cumene)	ND		5.26	ug/Kg	1
Methyl iodide	ND		5.26	ug/Kg	1
Methylene chloride	ND		21.0	ug/Kg	1
Naphthalene	ND		5.26	ug/Kg	1
Styrene	ND		5.26	ug/Kg	1
Tetrachloroethene	ND		5.26	ug/Kg	1
Toluene	ND		5.26	ug/Kg	1
Trichloroethene	ND		5.26	ug/Kg	1
Trichlorofluoromethane	ND		5.26	ug/Kg	1
Vinyl chloride	ND		5.26	ug/Kg	1
cis-1,2-Dichloroethene	ND		5.26	ug/Kg	1
m,p-Xylene	ND		10.5	ug/Kg	1
n-Propylbenzene	ND		5.26	ug/Kg	1
o-Xylene	ND		5.26	ug/Kg	1
sec-Butylbenzene	ND		5.26	ug/Kg	1
tert-Butyl methyl ether (MTBE)	ND		5.26	ug/Kg	1
tert-Butylbenzene	ND		5.26	ug/Kg	1
trans-1,2-Dichloroethene	ND		5.26	ug/Kg	1
trans-1,4-Dichloro-2-butene	ND		26.3	ug/Kg	1
Surrogates					
1,2-Dichloroethane-d4	124		55.0-173	%	1
4-Bromofluorobenzene	116		23.0-141	%	1
Toluene d8	102		57.0-134	%	1

Batch Information

Analytical Batch: **VMS1119**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **04/03/2011 17:20**

Prep Batch: **VXX1261**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **04/03/2011 00:00**
Prep Initial Wt./Vol.: **5.38 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-13-6-8**

Client Sample ID: **31-13-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629016-A
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **MADEP EPH**

Parameter	Result	Qual	LOQ/CL	Units	DF
C11-C22 Aromatics	**89.9**		15.6	mg/kg	1
C9-C18 Aliphatic Hydrocarbons	**1230**		5.56	mg/kg	1
C19-C36 Aliphatic Hydrocarbons	ND		7.46	mg/kg	1
Surrogates					
n-Tricosane	103		40.0-140	%	1
o-Terphenyl	70.0		40.0-140	%	1
2-Bromonaphthalene	80.0		40.0-140	%	1
2-Fluorobiphenyl	81.0		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1138**
Analytical Method: **MADEP EPH**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/09/2011 12:03**

Prep Batch: **XXX1186**
Prep Method: **SW-846 3541/8015 EPH**
Prep Date/Time: **04/05/2011 15:00**
Prep Initial Wt./Vol.: **12.2 g**
Prep Extract Vol: **10 mL**

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Results of **31-13-6-8**

Client Sample ID: **31-13-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629016-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
1,2,4-Trichlorobenzene	ND		340	ug/Kg	1
1,2-Dichlorobenzene	ND		340	ug/Kg	1
1,3-Dichlorobenzene	ND		340	ug/Kg	1
1,4-Dichlorobenzene	ND		340	ug/Kg	1
2,4,5-Trichlorophenol	ND		340	ug/Kg	1
2,4,6-Trichlorophenol	ND		340	ug/Kg	1
2,4-Dichlorophenol	ND		340	ug/Kg	1
2,4-Dinitrophenol	ND		680	ug/Kg	1
2,4-Dinitrotoluene	ND		340	ug/Kg	1
2,6-Dinitrotoluene	ND		340	ug/Kg	1
2-Chloronaphthalene	ND		340	ug/Kg	1
2-Chlorophenol	ND		340	ug/Kg	1
2-Methylnaphthalene	ND		340	ug/Kg	1
2-Methylphenol	ND		340	ug/Kg	1
2-Nitroaniline	ND		340	ug/Kg	1
2-Nitrophenol	ND		340	ug/Kg	1
3 and/or 4-Methylphenol	ND		340	ug/Kg	1
3,3'-Dichlorobenzidine	ND		340	ug/Kg	1
3-Nitroaniline	ND		340	ug/Kg	1
4,6-Dinitro-2-methylphenol	ND		340	ug/Kg	1
4-Chloro-3-methylphenol	ND		340	ug/Kg	1
4-Chloroaniline	ND		340	ug/Kg	1
4-Chlorophenyl phenyl ether	ND		340	ug/Kg	1
Acenaphthene	ND		340	ug/Kg	1
Acenaphthylene	ND		340	ug/Kg	1
Anthracene	ND		340	ug/Kg	1
Benzo(a)anthracene	ND		340	ug/Kg	1
Benzo(a)pyrene	ND		340	ug/Kg	1
Benzo(b)fluoranthene	ND		340	ug/Kg	1
Benzo(g,h,i)perylene	ND		340	ug/Kg	1
Benzo(k)fluoranthene	ND		340	ug/Kg	1
Benzoic acid	ND		340	ug/Kg	1
Bis(2-Chloroethoxy)methane	ND		340	ug/Kg	1
Bis(2-Chloroethyl)ether	ND		340	ug/Kg	1
Bis(2-Chloroisopropyl)ether	ND		340	ug/Kg	1
Bis(2-Ethylhexyl)phthalate	ND		340	ug/Kg	1
4-Bromophenyl phenyl ether	ND		340	ug/Kg	1
Butyl benzyl phthalate	ND		340	ug/Kg	1
Chrysene	ND		340	ug/Kg	1
Di-n-butyl phthalate	ND		340	ug/Kg	1
Di-n-octyl phthalate	ND		340	ug/Kg	1
Dibenz(a,h)anthracene	ND		340	ug/Kg	1
Dibenzofuran	ND		340	ug/Kg	1

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-13-6-8**

Client Sample ID: **31-13-6-8**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629016-F
Lab Project ID: 31100629

Collection Date: 03/30/2011 12:40
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 88

Results by **SW-846 8270D**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diethyl phthalate	ND		340	ug/Kg	1
Dimethyl phthalate	ND		340	ug/Kg	1
2,4-Dimethylphenol	ND		340	ug/Kg	1
Diphenylamine	ND		340	ug/Kg	1
Fluoranthene	ND		340	ug/Kg	1
Fluorene	ND		340	ug/Kg	1
Hexachlorobenzene	ND		340	ug/Kg	1
Hexachlorobutadiene	ND		340	ug/Kg	1
Hexachlorocyclopentadiene	ND		340	ug/Kg	1
Hexachloroethane	ND		340	ug/Kg	1
Indeno(1,2,3-cd)pyrene	ND		340	ug/Kg	1
Isophorone	ND		340	ug/Kg	1
Naphthalene	ND		340	ug/Kg	1
4-Nitroaniline	ND		340	ug/Kg	1
Nitrobenzene	ND		340	ug/Kg	1
4-Nitrophenol	ND		340	ug/Kg	1
Pentachlorophenol	ND		340	ug/Kg	1
Phenanthrene	ND		340	ug/Kg	1
Phenol	ND		340	ug/Kg	1
Pyrene	ND		340	ug/Kg	1
n-Nitrosodi-n-propylamine	ND		340	ug/Kg	1
Surrogates					
2,4,6-Tribromophenol	77.0		41.0-129	%	1
2-Fluorobiphenyl	86.0		48.0-123	%	1
2-Fluorophenol	75.0		42.0-123	%	1
Nitrobenzene-d5	93.0		46.0-117	%	1
Phenol-d6	73.0		48.0-125	%	1
Terphenyl-d14	92.0		44.0-140	%	1

Batch Information

Analytical Batch: **XMS1068**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **04/12/2011 12:37**

Prep Batch: **XXX1191**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/07/2011 09:00**
Prep Initial Wt./Vol.: **33.29 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-15-10-12**

Client Sample ID: **31-15-10-12**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629017-D
Lab Project ID: 31100629

Collection Date: 03/29/2011 15:45
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 80

Results by **SW-846 8015C GRO**

Parameter	Result	Qual	LOQ/CL	Units	DF
Gasoline Range Organics (GRO)	ND		5.79	mg/kg	1
Surrogates					
4-Bromofluorobenzene	103		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1129**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/11/2011 19:02**

Prep Batch: **VXX1315**
Prep Method: **SW-846 5035**
Prep Date/Time: **04/11/2011 09:28**
Prep Initial Wt./Vol.: **4.3 g**
Prep Extract Vol: **5 mL**

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Results of **31-15-10-12**

Client Sample ID: **31-15-10-12**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629017-F
Lab Project ID: 31100629

Collection Date: 03/29/2011 15:45
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 80

Results by **SW-846 8015C DRO**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diesel Range Organics (DRO)	ND		7.62	mg/kg	1
Surrogates					
o-Terphenyl	83.7		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1129**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/04/2011 20:35**

Prep Batch: **XXX1176**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.68 g**
Prep Extract Vol: **10 mL**

Results of **31-16-10-12**

Client Sample ID: **31-16-10-12**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629018-D
Lab Project ID: 31100629

Collection Date: 03/29/2011 15:20
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 77

Results by **SW-846 8015C GRO**

Parameter	Result	Qual	LOQ/CL	Units	DF
Gasoline Range Organics (GRO)	ND		5.08	mg/kg	1
Surrogates					
4-Bromofluorobenzene	107		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1129**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/11/2011 19:29**

Prep Batch: **VXX1315**
Prep Method: **SW-846 5035**
Prep Date/Time: **04/11/2011 09:28**
Prep Initial Wt./Vol.: **5.12 g**
Prep Extract Vol: **5 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-16-10-12**

Client Sample ID: **31-16-10-12**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629018-F
Lab Project ID: 31100629

Collection Date: 03/29/2011 15:20
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 77

Results by **SW-846 8015C DRO**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diesel Range Organics (DRO)	ND		8.02	mg/kg	1
Surrogates					
o-Terphenyl	67.7		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1129**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/04/2011 21:03**

Prep Batch: **XXX1176**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **32.44 g**
Prep Extract Vol: **10 mL**

Print Date: 04/18/2011

N.C. Certification # 481

Results of **31-17-10-12**

Client Sample ID: **31-17-10-12**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629019-D
Lab Project ID: 31100629

Collection Date: 03/29/2011 16:15
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 87

Results by **SW-846 8015C GRO**

Parameter	Result	Qual	LOQ/CL	Units	DF
Gasoline Range Organics (GRO)	ND		4.46	mg/kg	1
Surrogates					
4-Bromofluorobenzene	106		70.0-130	%	1

Batch Information

Analytical Batch: **VGC1129**
Analytical Method: **SW-846 8015C GRO**
Instrument: **GC4**
Analyst: **LMC**
Analytical Date/Time: **04/11/2011 19:56**

Prep Batch: **VXX1315**
Prep Method: **SW-846 5035**
Prep Date/Time: **04/11/2011 09:28**
Prep Initial Wt./Vol.: **5.14 g**
Prep Extract Vol: **5 mL**

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Results of **31-17-10-12**

Client Sample ID: **31-17-10-12**
Client Project ID: **3948 Guilford Parcel 31**
Lab Sample ID: 31100629019-F
Lab Project ID: 31100629

Collection Date: 03/29/2011 16:15
Received Date: 03/31/2011 10:10
Matrix: Soil/Solid - dry basis
Solids (%): 87

Results by **SW-846 8015C DRO**

Parameter	Result	Qual	LOQ/CL	Units	DF
Diesel Range Organics (DRO)	ND		7.23	mg/kg	1
Surrogates					
o-Terphenyl	68.5		40.0-140	%	1

Batch Information

Analytical Batch: **XGC1129**
Analytical Method: **SW-846 8015C DRO**
Instrument: **GC6**
Analyst: **DTF**
Analytical Date/Time: **04/04/2011 21:32**

Prep Batch: **XXX1176**
Prep Method: **SW-846 3541**
Prep Date/Time: **04/04/2011 11:50**
Prep Initial Wt./Vol.: **31.72 g**
Prep Extract Vol: **10 mL**

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(1)
CLIENT: Solutions IES
CONTACT: Jody Dreimyer PHONE NO:(919) 873-2060
PROJECT: 3948 Guilford Co SITE/PWSID#: Parcel 31
REPORTS TO: 1101 Nowell Rd Raleigh NC 27607 FAX NO.:( )
INVOICE TO: LBS NCDOT 34482.1.1 QUOTE #:
P.O. NUMBER: 4300163800

SGS Reference: 31100629

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 B	SVOC 8270 D	MADEP VPH	MADEP EPH	REMARKS
	31-1-1-3	3/29/11	1730	Soil	6	G		X	X	X	X	
	31-2-2-4	3/29/11	1732									
	31-2-4-6	3/30/11	930									
	31-2-9-11		935									
	31-2-14-16		940									
	31-3-6-8		850									
	31-4-6-8		910									
	31-5-6-8		955									
	31-6-6-8		1000									
	31-7-6-8		1155									

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
	3-30-11	1645	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 3/31/11	Time 10:10	Received By:

(4)

Shipping Carrier:
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature°C: 5.0, 3.1
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
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• New Jersey • New York
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(1) CLIENT: Solutions IES
CONTACT: Jody Overmyer PHONE NO:( )
PROJECT: 3948 Guilford CO. SITE/PWSID#: Parcel 31
REPORTS TO: 1101 Nowell Rd
Raleigh NC 27607 FAX NO.:( )
INVOICE TO: NCDOT UBS 34487.1.1 QUOTE #:
P.O. NUMBER: 4300163800

SGS Reference: 31100629 PAGE 2 OF 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C=COMP G=GRAB	(3) Analysis Required: VOC 8260 B	SVOC 8270 D	MADEP VPH	MADEP EPH	GRO	DRO	REMARKS
	31-8-6-8	3/30/11	1200	So:1	6	Gr.	X	X	X	X			
	31-9-6-8		1205										
	31-10-6-8		1210										
	31-11-6-8		1220										
	31-12-6-8		1230										
	31-13-6-8		1240										
	31-15-10-12	3/29/11	1545								X	X	* Added by client and
	31-16-10-12		1520								X	X	* fixed on edited
	31-17-10-12		1615								X	X	* chain of custody

(5)

	Date	Time	
Collected/Relinquished By:(1)	3-30-11	1645	Received By:
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	3/31/11	10:10	Received By:

(4)

Shipping Carrier:
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature°C: 5.0, 3.1.
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.: **31100629**

1. _X_ Shipped
   ___ Hand Delivered

2. ___ COC Present on Receipt
   _X_ 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: 5.0,3.1
   ___ 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: No COC in cooler, received later by FAX.

Inspected and Logged in by: JJ

Date: Thu-3/31/11 00:00

MI_11.5