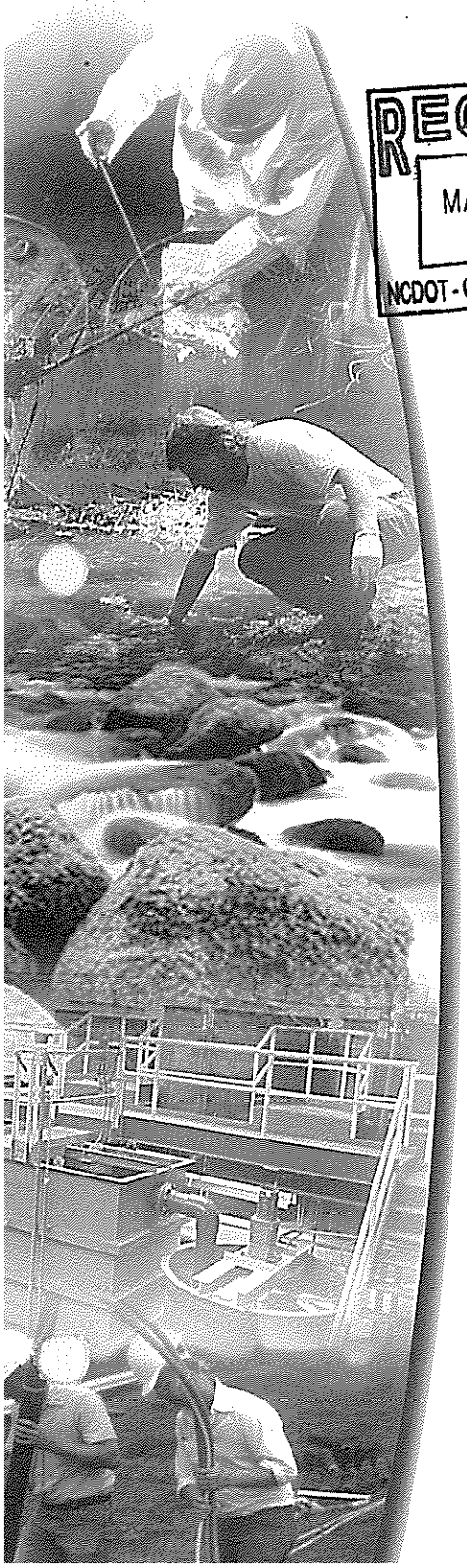


LIMITED PRELIMINARY SITE ASSESSMENT

Parcel 155
Yancy County Property
East Yancy Recycling Center
130 Burnsville School Road
Burnsville, NC 28714

State Project No. R-2519A
WBS Element No. 35609.1.1
EI Project No. ENMO060029.00

Prepared For:

Gregory A. Smith
State of North Carolina
Department of Transportation
Geotechnical Unit
GeoEnvironmental Section
1589 Mail Service Center
Raleigh, NC 27699-1589

Prepared by:

Environmental Investigations, Inc.
2101 Gateway Centre Boulevard, Suite 200
Morrisville, NC 27560
PH (919) 657-7500 FAX (919) 657-7551

May 2006

LIMITED PRELIMINARY SITE ASSESSMENT (PSA)

Conducted on

Parcel 155
Yancy County Property
East Yancy Recycling Center
130 Burnsville School Road
Burnsville, NC 28714
State Project No. R-2519A
WBS Element No. 35609.1.1
EI Project No. ENMO060029.00

For

Mr. Gregory A. Smith
State of North Carolina
Department of Transportation
Geotechnical Engineering Unit
GeoEnvironmental Section
1589 Mail Service Center
Raleigh, NC 27699-1589

Issue Date: May 12, 2006

D. Sterling Turner
Environmental Scientist

Robert M. Shaut
Project Geologist/Manager

David C. Brewster, P.G.
Principal Geologist

Signature

Signature

Signature

NORTH CAROLINA LICENSED SEAL 1212 GEOLOGIST DAVID CHASE BREWSTER

Prepared By:

Environmental Investigations, Inc. (EI)
2101 Gateway Centre Blvd., Suite 200
Morrisville, North Carolina 27560
(919) 657-7500 FAX (919) 657-7551

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

1.0 INTRODUCTION

Environmental Investigations, Inc. (EI) conducted a *Limited Preliminary Site Assessment* (PSA) within the existing and/or proposed North Carolina Department of Transportation (NCDOT) *right-of-way* (ROW) adjacent to a parcel (identified by the NCDOT as Parcel 155) located at 130 Burnsville School Road, Burnsville, North Carolina 28714. A municipal waste collection and recycling center former BP gasoline station is located on the adjacent parcel. The report presented herein documents the findings of the PSA that was conducted within the described ROW. For purposes of this report, the terms subject site and/or site include the existing NCDOT ROW and the proposed ROW, and/or the abutting property/parcel.

1.1 Report Organization

Field activities were conducted by Mr. Sterling Turner, an Environmental Scientist with EI, on April 13, 2006. The report presented herein summarizes the scope of work conducted, discusses sampling procedures, and presents our findings, conclusions and recommendations. A table entitled "Summary of Soil Analytical Results" is presented in **Table 1.** A "Site Location Map", and a "Site Map" are presented in **Figures 1**, and **2**, respectively. A compilation of "Site Photographs" are presented in **Appendix A**, the "Standard Field Operating Procedures (SOP)" are presented in **Appendix B**, "Soil Boring Logs" are included in **Appendix C**, the "Analytical Laboratory Report" is presented in **Appendix D** and Geophysical Report conducted by Schnabel Engineering South is presented in **Appendix E**.

1.2 Background

Mr. Eugene Tarascio, GeoEnvironmental Project Manager with the NCDOT GeoTechnical Engineering Unit submitted to EI a "*Request for Supplemental Technical and Cost Proposal*" (RFP), dated February 24, 2006. The RFP solicited a technical and cost proposal to perform Limited PSAs on a total of 18 Parcels located within a NCDOT Highway Project, identified as WBS Element #35609.1.1, State Project #R-2519A, located in Burnsville, NC. The RFP outlined site information on each of the 18 parcels, some site photographs and NCDOT Figures (Plan Sheets) were attached to the RFP. Mr. Gregory A. Smith, LG, PE, GeoEnvironmental Supervisor with the NCDOT, GeoTechnical Engineering Unit, GeoEnvironmental Section authorized EI to perform the PSAs, as documented in a "Notice to Proceed" (NTP) dated March 13, 2006.

1.3 Objectives

The objective of performing the PSA was to determine if the solid waste collection and recycling center has impacted the subsurface of the existing and/or proposed ROW. The study (PSA) on the referenced parcel **(Parcel 155 – Yancy County Property)** included herein was performed with a reasonable effort to investigate and quantify potentially petroleum-hydrocarbon residual impacted subsurface soils. However, findings documented in the report do not constitute a guarantee that all potential sources of environmental contamination have been assessed and subsequently analyzed.

This report is provided for the sole use of the NCDOT on the project for which it was prepared. All materials and information used for this project were obtained by EI, Inc. Use of this report by any third parties other than the NCDOT will be at such party's sole risk. EI Inc. disclaims liability for any use of or reliance on this report by third parties.

2.0 SCOPE OF WORK & ENVIRONMENTAL SERVICES

2.1 Requested Scope of Work

Documented in the RFP, dated February 24, 2006, the NCDOT requested the following scope of work:

- Determine if contaminated soils are present around any underground storage tanks (UST) identified that are within the existing and/or proposed ROW;
- in addition, collect soil samples every 15 meters (~50 feet) to a maximum depth of 2.44 meters (8 feet) along the proposed drainage (if there is no proposed drainage, collect samples at same interval along the edge of existing and/or proposed ROW within the "area of investigation");
- delineate and estimate the quantity of impacted soils and indicate the approximate area of soil contamination on a site map for each site;
- if groundwater is encountered and the project manager suspects the possibility of groundwater contamination, obtain a sample for analysis by converting one (1) of the borings to a temporary monitoring well;
- for each groundwater sample collected, also obtain a 24-hour groundwater depth;
- if a groundwater sample is collected for proposed drainage, perform aquifer testing to determine the recharge rate and use this to provide an estimated quantity of contaminated water that will have to be disposed of when de-watering occurs to install the proposed drainage;
- prepare a report including field activities, findings, and recommendations for the site and submit in quadruplet to the NCDOT office.

2.2 Scope of Services

To accomplish the scope-of-services, a field reconnaissance was performed to identify general site conditions, and Direct Push Technology (DPT) was utilized to collect soil samples on the subject parcel.

To perform the requested Limited PSA, EI personnel supervised, oversaw and performed site reconnaissance activities and collected appropriate samples to complete the project objectives. To complete the study on the subject parcel, EI performed the following scope of services:

- Supervision and oversight of the advancement of two (2) soil test borings utilizing DPT methods to a total depth of 2.44 meters (8.0 feet) below the land surface (bls) within the existing and/or the proposed NCDOT right-of-way, in the proposed drainage area location.

- Supervision and oversight of the advancement of two (2) soil test borings utilizing DPT methods to a depth of 3.05 meters (10.0 feet) bls within the existing and/or the proposed NCDOT right-of-way, in the vicinity of a current UST.

- Collection and submittal of four (4) soil samples for laboratory analyses of a comprehensive spectrum of target analytes.

- Photo documentation of pertinent site features.

- Preparation of this *Limited PSA Report*, presenting our findings and conclusions along with our recommendations.

3.0 SITE CHARACTERIZATION

3.1 Site Location

The East Yancy Recycling Center, a municipal waste collection and recycling center, currently is located on the south side of Burnsville School Road, approximately 300 meters (984 feet) east of US 19E. The specific address for the property is 130 Burnsville School Road in Burnsville, North Carolina 28714 (**Figure 1**). The subject property is currently located immediately adjacent to the DOT ROW (**Photograph 1**) as identified in DOT's R-2519A Plan Sheets 26 and 43. Copies of digital site photographs are presented in **Appendix A**.

3.2 Physical Setting

The subject site parcel contains a two-story metal warehouse building utilized for the collection of recyclable items. The remainder of the site consists of asphalt and gravel access/parking areas, concrete pads with metal collection dumpsters, a household waste trash compactor, grassy areas, minor landscaping, and a chain-link fence enclosure. **(Photographs 1)** See **Figure 2** for pertinent site features.

3.2.1 Number and Capacities of USTs

One (1) 3,785-liter (1,000-gallon) UST containing liquid/sediment runoff from an adjacent household waste compactor is located adjacent to the east side of the recycling center building.

3.2.2 Number and Capacities of ASTs

One (1) 2,082-liter (550-gallon) aboveground storage tank (AST) is located adjacent to the UST to the east. **(Photograph 2)**

3.3 Site Topography

Site observations and review of the Burnsville, NC United States Geological Survey (USGS) Topographic Quadrangle Map (July 1, 1987), revealed that the subject site is located at an elevation of approximately 780 meters (2,560 feet) above mean sea level (msl) (**Figure 1**). Topographically, the site slopes moderately to the south. Surface water runoff appears to flow south in the direction of Little Crabtree Creek which borders the site to the south.

3.4 Land Use & Surrounding Properties

The subject property is located inside the city limits of Burnsville, NC. Land use in the immediate vicinity of the site is characterized by residential and commercial properties. The site is bounded on the north by Burnsville School Road, beyond which are residential and vacant properties; to the east by commercial properties; to the south by Little Crabtree Creek, beyond which is US Highway 19E; and to the west by a newly developed gasoline filling station.

4.0 SUBURFACE INVESTIAGTION

4.1 Subsurface Soils Investigation

Environmental Probing, based in Clayton, North Carolina, was selected and subcontracted to provide DPT services. On April 13, 2006, EI directed and supervised the advancement of four (4) soil test borings (155-1-5, 155-2-5, 155-3-4, and 155-4-4), two (2) (155-1-5, and 155-2-5) of which were in the area of investigation in the vicinity of the UST and AST **(Photographs 3 & 4)**, while the remaining two (2) (155-3-4, and 155-4-4) were situated along the proposed drainage piping **(Photograph 5)**.

In general, the borings were advanced in order to evaluate the absence/presence of potential subsurface soil (vadose zone) impact and/or subsurface groundwater (petroleum smearing) impact associated with potential releases and/or spills associated with the UST, AST, and solid waste storage activities within the proposed ROW. The soil borings were advanced to investigative depths ranging from 2.44 meters (8.0 feet) to 3.05 meters (10.0 feet) bls.

4.2 Soil Test Boring Methodology

A complete descriptive explanation of EI's *Standard Field Operating Procedures* that discusses specific sampling methodology is presented in **Appendix B**.

4.3 Soil Sample Collection Procedures

A total of four (4) soil samples were collected for laboratory analysis. Soil samples retained for laboratory analysis were shipped to Paradigm Analytical Laboratory for laboratory analytical testing. Dates and times of sample shipment may be referenced in the analytical Chain-of Custodies (COC) presented in **Appendix D**.

4.4 Backfill Activities

At the completion of the exploratory subsurface advancement activities, the test borings were backfilled to surface grade. A complete descriptive explanation of EI's *Standard Field Operating Procedures* that discusses backfill procedures is presented in **Appendix B**.

4.5 Subsurface Soil Lithology

During boring advancement activities, soil samples were classified in the field by an EI scientist utilizing the Unified Soil Classification System (USCS). Subsurface soils encountered in the area of study were fairly consistent. The on-site geology consists of grass or gravel cover with

surficial topsoil from the surface to approximately 0.31 meters (1.0 foot) below grade. A layer of soil consisting of tan to orange, slightly indurated, clayey SILT with a large presence of mica was encountered to the maximum investigated depth of approximately 3.05 meters (10.0 feet) bls. Detailed descriptions are presented in Soil Boring Logs presented in **Appendix C**. The boring logs include an interpretation of subsurface conditions based on field samples.

4.6 Groundwater Investigation

4.6.1 Temporary Monitoring Well Installation

A groundwater monitoring well was not installed as part of this assessment.

4.6.2 Monitoring Well Sampling

A groundwater monitoring well was not installed as part of this assessment.

5.0 LABORATORY TESTING AND RESULTS

5.1 Subsurface Soil Analytical Methods

A total of four (4) soil samples ("155-1-5", "155-2-5", "155-3-4", and "155-4-4") were submitted for laboratory analyses of total petroleum hydrocarbons (TPH) Gasoline Range Organics (GRO) and Diesel Range Organics (DRO); volatile organic compounds (VOC); semi-volatile organic compounds (SVOC); priority pollutant metals including mercury; reactive cyanide and reactive sulfide; polychlorinated biphenyls (PCB); pesticides; and oil & grease. A fifth soil sample "155-BACKGROUND" was collected from an adjacent vacant parcel north of the site, at a comparable depth to the other samples. The sample was analyzed for priority pollutant metals including mercury to serve as a baseline of naturally-occurring metals in the subject vicinity.

5.2 Soil Laboratory Analyses Results

Laboratory analysis of the soil samples collected revealed slightly elevated levels of two (2) metals as compared to the background sample, one (1) SVOC analyte, and oil & grease. No other target analytes were detected at or above the laboratory method detection limits. The specific results of the analytical testing of the soil samples are tabulated and presented in **Table 1**. The complete laboratory results and Chain-of-Custody Records are presented in **Appendix D**.

5.3 Groundwater Laboratory Analysis

A groundwater sample was not collected from the subject site as part of this assessment.

5.4 Groundwater Laboratory Analyses Results

A groundwater sample was not collected from the subject site as part of this assessment.

6.0 SUMMARY OF FINDINGS

EI has reviewed information gathered during the Limited PSA study including the site reconnaissance activities, review of NCDOT plan sheets, review of the site investigation including soil collection activities, and review of a laboratory analysis report. Compiled below is a summarized list of the significant findings.

- One fiberglass UST containing runoff from a household waste compactor, and one AST with secondary containment containing waste oil, are located on the eastern portion of the subject site within the proposed ROW. The area also is used as a staging area for spent automotive batteries.

- Laboratory analyses of two (2) soil samples collected in the vicinity of the UST and AST at approximate depths of 3.05 meters (10.0 feet) bls reveal slightly elevated levels of two (2) metals and one (1) SVOC.

- Laboratory analyses of two (2) soil samples collected in the vicinity of proposed drainage piping at approximate depths of 2.44 meters (8.0 feet) bls reveal slightly elevated levels of one (1) SVOC and oil & grease.

7.0 CONCLUSIONS AND RECOMMENDATIONS

It does not appear, based on field and laboratory analytical data, that any **significant** spills and/or releases have impacted the area of investigation within the existing and/or proposed NCDOT ROW. Considering the limited nature of the background sample collection (chromium), additional background sampling would likely show a higher mean concentration value (twice the mean); therefore EI does not recommend any further assessment at this time.

Note: This report does not constitute a guarantee that all potential sources of environmental contamination have been assessed and subsequently analyzed.

TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
Parcel 155
Yancy County Property
130 Burnsville School Road
Burnsville, NC 28714
State Project No. R-2519A
WBS Element No. 35609.1.1

Sample Identification				155-1-5	155-2-5	155-3-4	155-4-4	155-Background
Samle Depth (Feet)				0.61-1.52 (2-5)	0.61-1.52 (2-5)	0.61-1.22 (2-4)	0.61-1.22 (2-4)	0.61-1.22 (2-4)
Sample Date				4/13/2006				
Field Screening Results-PID (ppm)				0.0	0.0	0.0	0.0	0.0
Laboratory Analysis	Cleanup Standards (MSCC)			Laboratory Results (mg/kg)				
Metals (Method 6010B/7471)	(1) USEPA Preliminary Removal Goals (PRGs) - Industrial Soil (mg/kg)		2 Times Mean Concentration					
Arsenic	1.6		0.96	BQL	BQL	***1.64***	***1.50***	***1.65***
Chromium	450		48.8	***66.2***	***94.2***	***30.7***	***31.2***	21.8
Copper	41,000		NA	19.7	43.8	21.9	20.8	21.0
Lead	800			4.47	4.66	18.4	7.22	6.99
Mercury	62			0.0267	BQL	0.0362	BQL	0.0344
Nickel	20,000			26.1	49.5	13.5	16.2	13.6
Selenium	5,100			2.59	BQL	2.90	BQL	3.32
Zinc	100,000			39.7	77.4	64.1	65.6	67.7
Cyanide/Sulfide (Methods 335.2/SM 4500-D)				Laboratory Results (mg/kg)				
Reactive Cyanide				BQL	BQL	BQL	BQL	N/A
Reactive Sulfide				BQL	BQL	BQL	BQL	N/A
PCBs (EPA 8082)				Laboratory Results (mg/kg)				
All Analytes				BQL	BQL	BQL	BQL	N/A
Pesticides (EPA 8081)				Laboratory Results (mg/kg)				
All Analytes				BQL	BQL	BQL	BQL	N/A
Oil and Grease (Method 9071)	NCDENR 1 (Volume II) Reportable Concentration (mg/kg)			Laboratory Results (mg/kg)				
Oil & Grease	250			BQL	BQL	***418***	45	N/A
Volatile Organic Compounds by GCMS 8260-5035	Cleanup Standards (MSCC) (mg/kg)			Laboratory Results (mg/kg)				
Benzene	22	200	0.0056	BQL	BQL	BQL	BQL	N/A
Toluene	3200	82000	7	BQL	BQL	BQL	BQL	N/A
Ethylbenzene	1560	40000	0.24	BQL	BQL	BQL	BQL	N/A
Total Xylenes	32000	200000	5	BQL	BQL	BQL	BQL	N/A
2-Butanone (MEK)	9385	245280	0.7	BQL	BQL	BQL	BQL	N/A
Acetone	1564	40880	3	BQL	BQL	BQL	BQL	N/A
Isopropylbenzene (Cumene)	1564	40880	2	BQL	BQL	BQL	BQL	N/A
n-Propylbenzene	156	4088	2	BQL	BQL	BQL	BQL	N/A
1,2,4-Trimethylbenzene	782	20440	8	BQL	BQL	BQL	BQL	N/A
1,3,5-Trimethylbenzene	782	20440	7	BQL	BQL	BQL	BQL	N/A
sec-Butylbenzene	156	4088	3	BQL	BQL	BQL	BQL	N/A
n-Butylbenzene	156	4088	4	BQL	BQL	BQL	BQL	N/A
Naphthalene	63	1635	0.58	BQL	BQL	BQL	BQL	N/A
Isopropylether (IPE)	156	4088	0.37	BQL	BQL	BQL	BQL	N/A
Methyl Tert-butyl Ether (MTBE)	156	4088	0.92	BQL	BQL	BQL	BQL	N/A
Methylene chloride	85	763	0.02	BQL	BQL	BQL	BQL	N/A
All Remaining Analytes	NA	NA	NA	BQL	BQL	BQL	BQL	N/A
Semivolatile Organic Compounds by GCMS 8270	Cleanup Standards (MSCC) (mg/kg)			Laboratory Results (mg/kg)				
Naphthalene	63	1635	0.58	BQL	BQL	BQL	BQL	N/A
Bis (2-ethylhexyl)phthalate	46	410	6.67	0.503	BQL	.551	0.648	N/A
All Remaining Analytes	NA	NA	NA	BQL	BQL	BQL	BQL	N/A
Laboratory Analysis (Total Petroleum Hydrocarbons by GC/FID 8015)	NCDENR[1] (Volume II) Reportable Concentration (mg/kg)			Laboratory Results (mg/kg)				
Gasoline Range Organics	10			BQL	BQL	BQL	BQL	N/A
Diesel Range Organics				BQL	BQL	BQL	BQL	N/A

NOTE:
NS = No Standard
mg/kg denotes parts per million
MSCC = Maximum Soil Contaminant Concentrations
Bold & Italics Font = In Excess of MSCC Cleanup Standards
[1] NCDENR = North Carolina Department of Enviornment & Natural Resources
Underline denotes above background concentrations

FIGURES

FIGURE NUMBER:	1
QUAD:	Burnsville
PROJECT NUMBER:	ENMO060029
SCALE:	As Shown

SITE LOCATION MAP
Yancey County Property
130 Burnsville School Road
Parcel 155
Burnsville, North Carolina

EI
ENVIRONMENTAL INVESTIGATIONS, INC

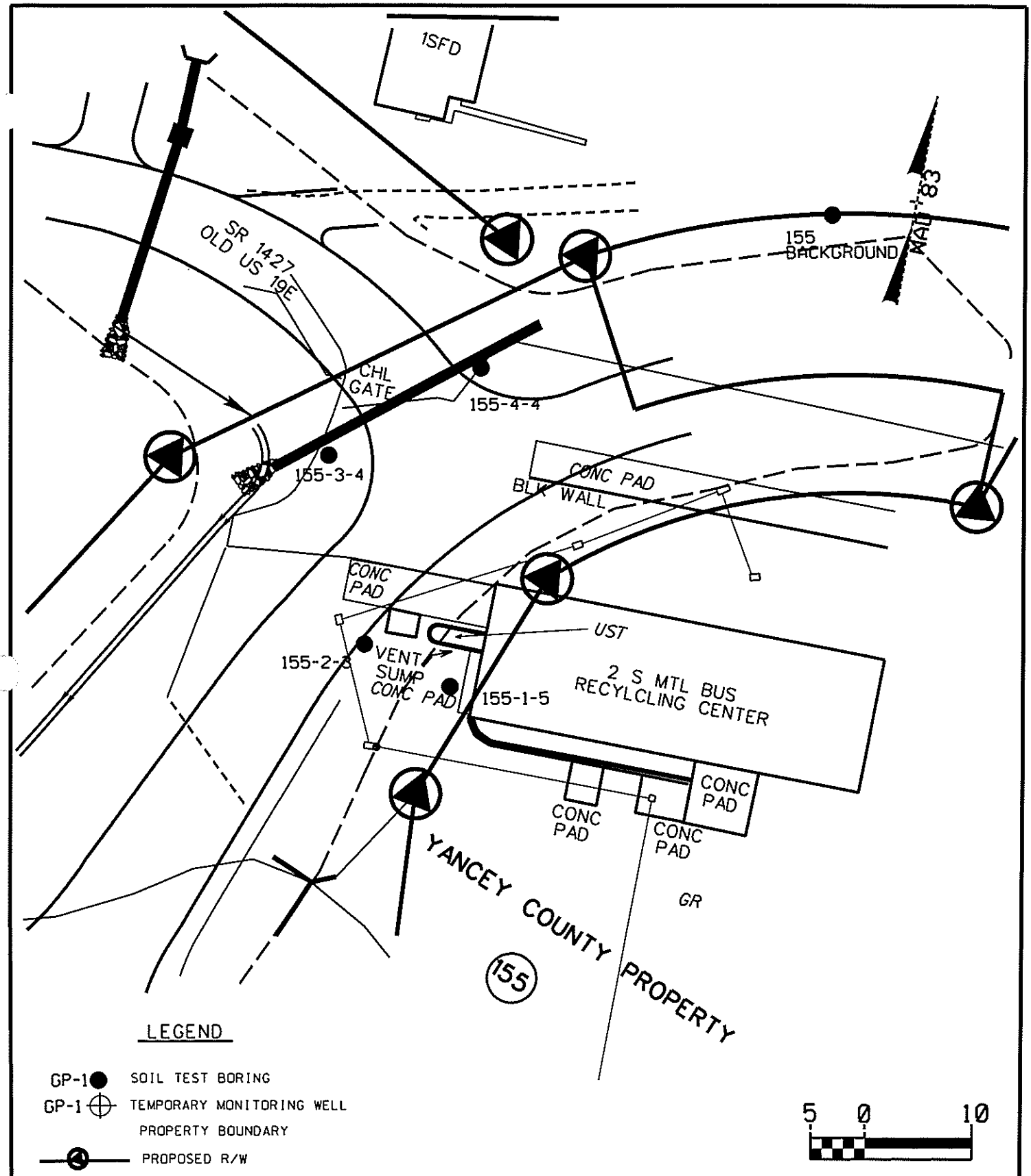


FIGURE:	2
DRAWN BY:	NCDOT/RMS
DATE:	APR 2006
PROJ NO:	ENM0060029.00
SCALE:	1 cm = 5m

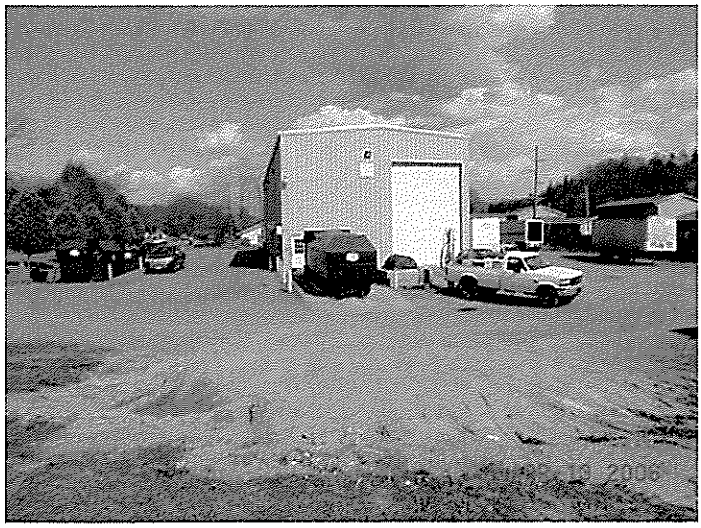
SITE MAP

PARCEL 155
Yancey County Property
130 Burnsville School Road
Burnsville, NC 28714
WBS Element: 35609.1.1

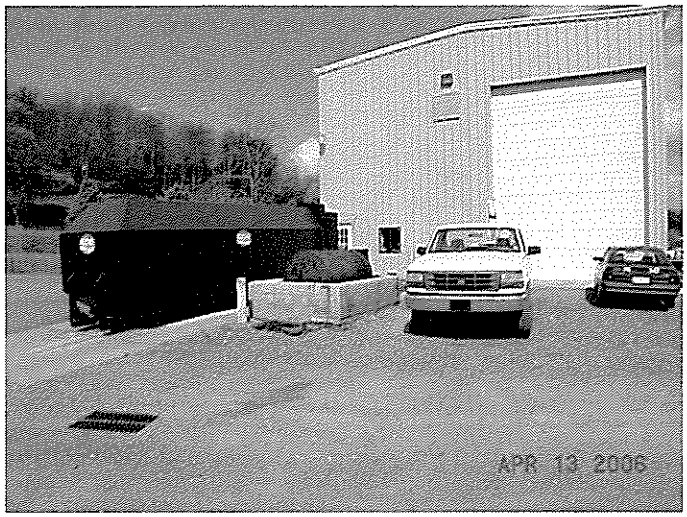
EI

APPENDIX A

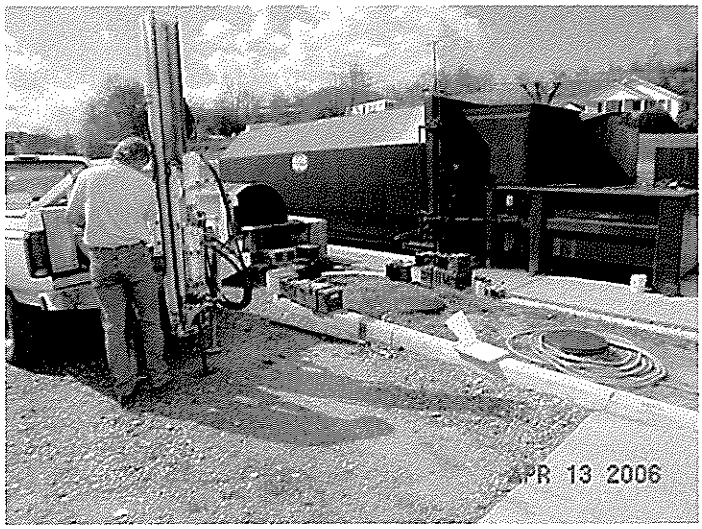
SITE PHOTOGRAPHS



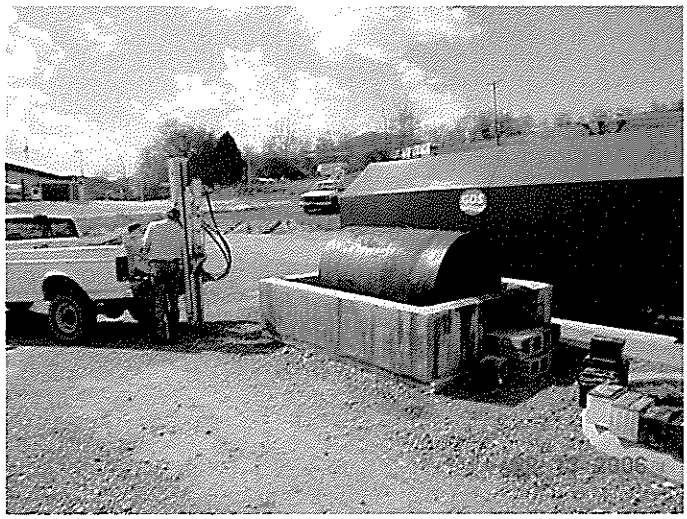
Photograph 1: View of eastern portion of subject site within proposed ROW.



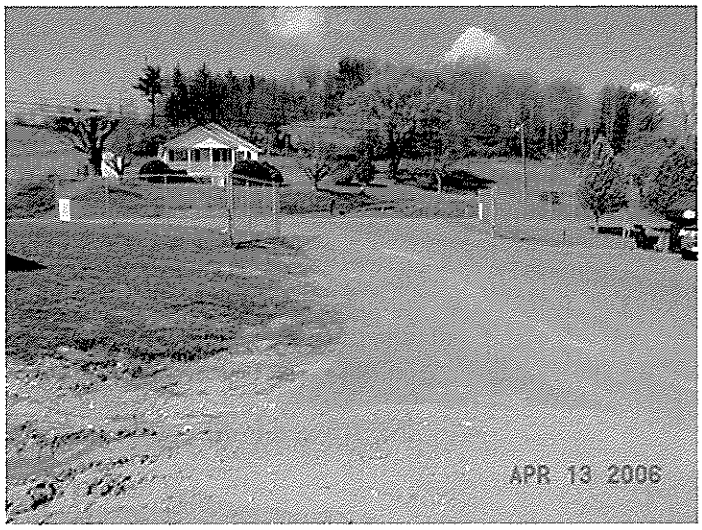
Photograph 2: View of trash compactor, waste oil AST, and area of fiberglass UST containing compactor runoff.



Photograph 3: Location of soil boring "GP-1" adjacent to south side of compactor runoff UST and waste oil AST.



Photograph 4: Location of soil boring "GP-2" adjacent to east end of compactor runoff UST and waste oil AST.



Photograph 5: View of proposed drainage piping area across facility exit driveway.

APPENDIX B

STANDARD OPERATING PROCEDURES

STANDARD OPERATING PROCEDURES
Subsurface Assessment Methodology and Sampling Protocol

Parcel 155
Yancy County Property
East Yancy Recycling Center
130 Burnsville School Road
Burnsville, NC 28714

WBS Element # 35609.1.1
State Project # R-2519A
EI Project No. ENMO060029.00

Prepared For:

Gregory A. Smith
State of North Carolina
Department of Transportation
Geotechnical Unit
GeoEnvironmental Section
1589 Mail Service Center
Raleigh, NC 27699-1589

Prepared by:

Environmental Investigations, Inc.
2101 Gateway Centre Boulevard, Suite 200
Morrisville, NC 27560
PH (919) 544-7500 FAX (919) 544-2199

May 2006

STANDARD OPERATING PROCEDURES

(Subsurface Assessment Methodology And Sampling Protocol

INTRODUCTION

Environmental Investigations, Inc. (EI) has prepared this STANDARD OPERATING PROCEDURES - Subsurface Assessment Methodology and Sampling Protocol Plan (SPP) for a municipal property owned by Yancy County located at 130 Burnsville School, Burnsville, Yancey County, North Carolina.

The document presented herein describes the methodology and protocol that was utilized during the *Limited Preliminary Site Assessment* conducted at the above referenced project "site".

SAMPLING DESIGN

Prior to conducting a subsurface assessment, a sampling strategy was developed by EI based on the objectives of the investigation. After designing our soil sampling strategy, the appropriate equipment and techniques were selected to conduct the investigation. Our sampling strategy was based upon the premise of accomplishing the following performance objectives:

- collect soil samples that are representative of conditions as they exist at the study site;
- selecting the appropriate sampling device(s);
- taking measures to avoid introducing contamination as a result of poor sampling and/or poor handling techniques;
- reducing the potential of cross contamination between samples;
- defining sampling site selections and collection procedures for the appropriate individual media;
- defining the quality control assurance procedures;
- analytical requirements and limitations; and
- Data interpretation and assessment.

The sampling plan for this study was developed using the non-probabilistic (directed sampling designs) in nature. The location and frequency was based on this approach, to allow for the flexibility of the field coordinator (Geologist) to determine the number of samples collected for analysis. This approach allowed for the study objectives, properties of the matrix, resource constraints and access to sampling points to be adequately performed. Provision for access, use of sampling equipment, was also pre-determined.

The following section of the SPP discusses the sampling equipment available and collection methods which have been utilized to be technically appropriate.

SITE ORIENTATION

Prior to conducting any soil sampling procedures, the EI Project Geologist/Manager reviewed and presented the Site and Safety Health Plan to all participants involved with the project which was developed based on the EI Safety and Health program. All monitoring, protective equipment (latex gloves, Tyvek® suits, etc.), potential hazards associated with the site and general health and safety standards were discussed.

Site Survey

Prior to conducting specific sampling activities, EI personnel will conduct a limited site survey of the target and surrounding areas. Information discovered during the survey will be utilized to better perform the sampling activities and will provide more insight into establishment of the conclusions of this study. The site survey will consist of the following:

- General site layout (UST system layouts, overhead canopies, dispensers, etc.);
- Site access;
- Soil types and depths;
- Surface water drainage pathways;
- Existing site conditions;
- Visible staining of surface soil;
- Vegetation stress, and
- Possible offsite or non-site related sources.

FIELD INVESTIGATIVE PROCEDURES

Sampling Objectives

The general objective of sampling for this project was to collect a sample representative of subsurface and/or groundwater to reduce the potential bias caused by the sampling equipment used to obtain the sample.

The chosen sample locations were evaluated as discrete samples. A discrete sample is defined as "a discrete aliquot representative of a specific location at a given point in time."

Areas of Environmental Concern

The objectives of choosing the proper sampling methods to collect appropriate samples that are representative of the conditions as they exist at the site were as follows:

- Selecting the appropriate sampling device.
- Taking measures to avoid introducing contamination as a result of poor sampling and/or handling techniques.
- Reducing the potential of cross contamination between samples.

The areas of environmental concern consisted of an existing heating oil UST.

SOIL SAMPLING ACTIVITIES

Manual techniques and equipment, such as hand augers, are usually used for surface or shallow, subsurface soil sampling. Power operated equipment is usually associated with collecting deep samples, but this equipment can also be used for collecting shallow samples when the auger hole begins to collapse, or when the soil is so tight that manual auguring is not practical. Based on the request of the property owner, EI mainly used hand augers and to a lesser extent we utilized Direct Push Technology (DPT). The following section discusses the DPT methods employed during the site study.

Soil Sampling Collection Methods

Soil samples were collected utilizing Direct Push Technology (DPT) methods.

Direct Push Technology Methodology

DPT refers to tools and sensors that are inserted into the subsurface without the use of drilling to remove soil and make a path for the tool. To perform the DPT activities, the contractor utilized a GeoProbe® 6600 machine. The GeoProbe® 6600 is a hydraulically-powered probing machine designed, which uses static force and a percussion hammer to advance small diameter sampling tools into the subsurface to collect soil cores, groundwater samples, and or soil gas samples. A GeoProbe relies on a relatively small amount of static (vehicle) weight combined with percussion as the energy for advancement of a tool string.

The advantages of utilizing DPT drilling methods are described as follows:

- avoids the use of drilling fluids and lubricants during drilling;
- the equipment is highly mobile;
- disturbance of geochemical conditions during installation is minimized; and
- The drilling process does not produce drill cuttings.

DPT Soil Sample Collection Methods

Soil samples utilizing DPT methods were collected from the advanced DPT soil borings continuously in 4.0-foot increments using acetate liners contained in a nickel plated macro sampling tubes. Each soil-filled liner was split for field screening and soil sample collection purposes. Soil samples were collected from the liners with disposable vinyl gloves and utilized for soil vapor screening testing and/or laboratory retention. This sampling method allows for continuous soil sampling from the ground surface to the desired depth. Soil samples selected for analyses are referenced in the text section.

Soil Sample Collection Protocol

The following soil sampling collection procedures were utilized during this study:

- Ensured that all equipment, samplers and tools that will come in contact with the sample media was thoroughly decontaminated.
- Informed driller of sample interval (s) for borehole and oversaw the sampling process.
- Prepared and labeled all sample containers. Samples collected for the analytes of volatiles (if applicable) were sampled first.
- Labeled the containers including the location, depth, analyte, date and time of sampling.
- Delegated the driller to prepare the sample liner by cutting the liner in half.
- Placed liners on a clean sheet of plastic.
- Cut the soil core with a clean decontaminated knife to allow of visual soil classification.
- Sniffed the soil core with a PID/FID and recorded instrument readings volatile organics (VOCs) in a logbook (discussed further below).
- Logged the soil core in a logbook, including borehole identification (ID), sample number, date, time and any pertinent data.

- Logged soil classification including: recording percent recovery, color, description of major constituent, soil texture/structure, grading/sorting/plasticity, relative density or hardness consistency, clay, sand, silt, gravel content, grain size, moisture content, odor, staining and the Unified Soil Classification System (USCS) identifier and symbol;
- Physically collected the selected soil samples and placed these samples into laboratory prepared containers.
- Ensured the soil sample did not contain twigs, stones, and other debris from the soil.
- Packed soil samples for shipment, prepared chain-of-custody records and shipping documentation

Soil Vapor Screening

An important tool in performing this study is performing the soil vapor screening or sniffing activities. Field screening is generally performed for a variety of reasons. The technique conducted during this study was used to screen soil samples for measurable levels of volatile organics. The results obtained from this procedure are not quantitative; however the results from several soil samples are relative and allowed the Field Geologist/Project Manager to select samples that are the most contaminated with the contaminated media. Generally, the presence of little or no organic vapor is possibly indicative of non-contaminated soils. Soil samples collected for purposes of soil headspace screening were tested by the following procedures:

- the field instrument was calibrated, prior to use;
- soil samples were collected directly from the DPT soil liners and placed into sealable plastic bags;
- soil samples within the bags were allowed to equilibrate for approximately five minutes;
- the headspace of each bagged sample was screened with the instrument probe for the presence of volatile organic compound (VOCs) with a Mini-RAE Photo-ionization Detector (PID);
- recording the instrument readings (VOCs) in a field logbook; and
- Verified that the FID/PID was reading background levels prior to exposing the probe into another sample.

Collection of Grab Soil Samples

Soil samples may provide two (2) types of soil contamination representation including grab and composite. Samples may be generally collected in random locations from a grid pattern or selected areas believed to be contaminated as evidenced by field indicators (staining, odors and/or measurable volatile organic readings).

For this study, grab samples selected from areas showing field indicators or confirmation soil samples chosen to confirm the absence of volatile organic readings were chosen. The technical definition for a grab sample is as follows: A grab sample is a discrete aliquot representative of a specific location at a given point in time. The sample is collected at one time and at one particular sampling point and depth. Refer to the text or Chain-of-Custody in this study for soil sample selection, date, time and depths of each sample chosen for laboratory analyses.

Sample Handling Procedures

The sample handling procedures were conducted as follows:

1) Disposable surgical latex gloves were used to avoid cross contamination of samples. Gloves were discarded in a designated "waste bag after each sample was collected.

2) Each confirmation sample upon collection was immediately stored in a cooler containing ice. During the sample collection process, care was taken to insure the samples were not collected in direct sunlight. In addition, during the collection process, no parts of the body without gloves touched any part of the sample.

3) Once placed into the cooler, each sample was protected with bubble wrap® and foam was inserted in the base, sides and top of the cooler.

Soil Boring Abandonment Procedures

Due to the fact that holes in the subsurface may act as a conduit for contamination migration, proper sealing of holes is essential for ensuring that a site assessment does not contribute to the spread of contaminants. The objective of hole-sealing is to prevent preferential migration of contaminants through the bore hole. To seal the boreholes advanced during this study, the contractor utilized a method known as surface pouring. Surface pouring entails sealing the boreholes with dry products (e.g., bentonite granules, chips and/or pellets). Once the DPT drive rods have been withdrawn, dry products are physically poured into the bottom of the

borehole and filled vertically up the column to at least two (2) feet from the base of the borehole. Once the dry products have seated into the borehole, the product is hydrated to expand the clay material. After the hydration process has been performed, the remaining portions of the boreholes are backfilled with the soil cores. Due to the nature of DPT, no soil cuttings were generated during soil boring exploration assessment work.

GROUNDWATER INVESTIGATION

The purpose of a monitoring well is to provide an access point for measuring groundwater levels and to collect groundwater samples representing actual in-situ groundwater conditions at that point of access. For the purpose of this investigation, based on the scope of work, EI chose to install temporary groundwater monitoring wells (Type I).

WELL DEVELOPMENT AND GROUNDWATER SAMPLE COLLECTION

Water Development

The groundwater monitor well was purged with a Peristaltic™ pump. Well development allows fresh water from the formation to enter the well and the groundwater samples will more accurately represent actual groundwater conditions. The well was purged of approximately three (3) to five (5) well volumes of water or until dry prior to sampling.

Groundwater Sampling Procedures

After well development activities were performed, groundwater samples were collected from the well(s) with the referenced pump. During the collection process, samples were poured directly from the bailer into the laboratory supplied containers which were placed into an ice chest filled with ice. Under no circumstances were any intermediate sample containers used, i.e. jar, beaker, etc., and then transferred to the sample container. In addition, water samples were not field filtered.

Prior to collecting the water sample, the containers were labeled accordingly. This procedure was performed prior to sampling because sample containers have a tendency to "sweat" when filled with groundwater; this makes it difficult to affix a label to the container after sampling. The sample label also was covered with a clear piece of tape, which was wrapped around the sample container. This procedure prevented the label from detaching from the container during sample storage and shipment.

Each sample container was labeled indicating the sample location (i.e. GP-1, or MW-1, etc.), date and time of collection, sample location, collector, project site, and analysis identification. Other pertinent information was recorded in the field book.

After the groundwater sample(s) was collected, the containers were immediately placed in a sample cooler containing ice. Upon completion, the samples were transported to Paradigm Analytical Laboratories, located in Wilmington, NC using chain-of-custody documentation.

Soil Boring Abandonment Procedures

Due to the fact that holes in the subsurface may act as a conduit for contamination migration, proper sealing of holes is essential for ensuring that a site assessment does not contribute to the spread of contaminants. The objective of hole-sealing is to prevent preferential migration of contaminants through the bore hole. To seal the boreholes advanced during this study, the contractor utilized a method known as surface pouring. Surface pouring entails sealing the boreholes with dry products (e.g., bentonite granules, chips and/or pellets). Once the DPT drive rods have been withdrawn, dry products are physically poured into the bottom of the borehole and filled vertically up the column to at least two (2) feet from the base of the borehole. Once the dry products have seated into the borehole, the product is hydrated to expand the clay material. After the hydration process has been performed, the remaining portions of the boreholes are backfilled with the soil cores. Due to the nature of DPT, no soil cuttings were generated during soil boring exploration assessment work.

LABORATORY ANALYTICAL METHODS

Soil Analytical Methods

Based upon verbal information provided by NCDOT personnel (Eugene Tarascio), EI selected to analyze the chosen soil samples for total petroleum hydrocarbons (TPH) analyses by Method 8015B with preparation methods for the analysis of Diesel Range Organics (DRO) by GC-FID and Gasoline Range Organics (GRO) by GC-FID. The GRO method is utilized to extract volatile fuels such as gasoline, while the DRO method is utilized to extract less volatile petroleum products such as diesel fuel, fuel oil #2, kerosene, and varsol.

One (1) soil sample from the site was analyzed for volatile organics by SW-846 Method 8260 (5035 Prep), for semi-volatiles (SVOCs) by SW-846 Method 8270, and for aliphatics and aromatics by Massachusetts Department of Environmental Protection's (MADEP) method for volatile petroleum hydrocarbons (VPH) and MADEP's method for extractable

petroleum hydrocarbons (EPH), respectively.
These laboratory analytical methods were utilized as required in the *Guidelines* in order to compare results to the DWM's maximum soil contaminant concentration (MSCC) cleanup standards. The MSCC concentrations are also published in the *Guidelines*.

SAMPLE PACKAGING AND SHIPPING

This section discusses the sample packaging and shipping protocol that shall be used to transport collected samples to the laboratories for analytical testing. Samples collected, prepared, preserved and stored must then be readied for packaging and shipping. It is important that the presented protocol be followed to ensure that the samples reach their destination in sound condition. In addition, the samples must be under strict COC from the time they are sampled until the analysis is complete.

Samples collected for this project were classified as environmental materials samples and were not considered hazardous. In addition, the samples collected for this study were not classified as "dangerous goods".

Environmental samples collected for this field study were packed prior to shipment using the following procedures:

1. Secure drain plug on cooler with tape.
2. Place cushioned layer on bottom of cooler (vermiculite or "bubble-wrap" plastic).
3. Line cooler with large heavy duty plastic bag.
4. Place all sample containers in large plastic bag within the cooler. Be sure the lids on all bottles are tight (will not leak).
5. Cushion containers to prevent breakage.
6 Put ice that has been "double bagged" in heavy duty polyethylene bags and placed on top of and/or between the samples within the large plastic bag. Fill all remaining space between the containers with cushion materials.
7 Securely fasten the top of the large plastic bag with tape or tie.
8. Place the Chain-of-Custody Record into a plastic bag, and tape the bag to the inner side of the cooler lid.
9. Close the cooler and securely tape (preferably with fiber tape) the top of the cooler shut. Custody seals should be affixed to the top and sides of the cooler within the securing tape so that the cooler cannot be opened without breaking the seal.
10. Shipping containers (ice cooler) must be marked "THIS END UP", and arrow labels which indicate the proper upward position of the container should be affixed to the container. A label containing the name and address of the shipper should be placed on the containers exterior. Labels

used in the shipment of hazardous materials (e.g., Cargo Only Air Craft, Flammable Solids, etc.) are not permitted to be on the outside of containers used to transport environmental samples.

Shipping Note:
"When samples are to be shipped by common carrier or sent through the United States mail, it must comply with the Department of Transportation Hazardous Materials Regulations (49 CFR 172). The person offering such material for transportation is responsible or ensuring such compliance. For the preservation requirements of 40 CFR, Part 136, Table II, the Office of Hazardous Materials, Materials Transportation Bureau, Department of Transportation has determined that the Hazardous Materials Regulations do not apply to the following materials: Hydrochloric Acid (HCL) in water solutions at concentrations of 0.04% by weight or less (pH about 1.96 or greater); Nitric acid (HN03) in water solutions at concentrations of O.-15% by weight or less (pH about 1. 62 or greater); Sulfuric acid (H2SO4) in water solutions at concentrations of 0.35% by weight or less (pH about 1. 15 or greater); and Sodium Hydroxide (Na OH) in water solutions at concentrations of 0.08% by weight or less (pH about 12.30 or less). This footnote is wholly reproduced from 40 CFR 136.3, which is definitive".

Sample Transportation

The cooler(s) containing the collected soil samples was shipped overnight via Federal Express, with COC documentation, to SGS Paradigm Laboratories, Inc. in Wilmington, NC. The following protocol was used for sample handling and transportation:

1) The lids on all bottles were tightened to reduce the potential for leakage.
2) The sample identification label on each individual laboratory container was covered with a clear piece of plastic tape. Each container was then placed within an appropriately sized polyethylene bag and sealed.
3) The containers were placed into a bubble-wrap® lined rectangular ice chest (cooler).
4) Ice was placed on top and surrounding bubble-wrap® sample containers. Some of the remaining spaces between the containers were filled with bubble-wrap® and/or ice.
5) The cooler drain plug was secured with clear tape.
6) The COC's was double plastic bagged and was taped to the inner side of the cooler lid.
7) The cooler was closed and securely taped.
8) A label with adhesive tape containing the name and address of the shipper and the address of the laboratory was placed on top of the cooler.

DECONTAMINATION PROCEDURES

Decontamination is the process of washing, rinsing and removing contaminants from exposed surfaces of equipment. Decontamination helps prevent the spread of contamination off-site, and avoids cross-contamination to other samples. The decontamination procedures were performed as follows:

1) Disposable surgical latex gloves were used in lieu of decontamination procedures to collect soil samples.

The soil samples retained for laboratory analyses were placed in the appropriate clean laboratory prepared containers, labeled and subsequently delivered with chain-of-custody documentation (COC) for analysis. Dates and times of sampling may be referenced on the COC's. Specific laboratory analysis methods are referenced in the text of this Study.

QUALITY ASSURANCE PROTOCOL

Field and Laboratory Control Samples

The purpose of this section is to describe the standard control sampling program that supported the data quality objectives for this site. These control samples will included field control Quality Assurance (QA) samples used to assess sources of error. To minimize or consider the impact these errors have on the resulting data, a combination of unique field QA/QC protocols and control samples were developed to meet the QA overall objectives.

Field Control Samples

The elements of the sampling and field QA/QC strategy included the following:

(1) El developed a well thought out sampling strategy for the site. The plan adequately and sufficiently outlined the different types of environmental media and protocol to sample the media.
(2) Sampling methodologies to obtain true representative samples.
(3) Used decontamination procedures in order to reduce cross-contamination potential between sampling points.
(4) Used the proper sample containers, and preservation requirements.
(5) Used the proper storage, and shipping of samples protocol.

Techniques to verify the inclusion of the QA/QC program included scheduled field control samples consisting of field blanks (trip and temperature). The field control samples were

handled similarly as the environmental samples.

Quality Control Samples

A trip and temperature blank were collected during this study.

Laboratory QA/QC Procedures

Laboratory QA/QC procedures are implemented in order to prevent, detects, and corrects potential errors during the analytical process. The reliability and credibility of analytical laboratories are corroborated by the development and performance of their respective QA/QC programs. For this project, the NCDOT contracted laboratory provided and performed their program as they see fit. Standard practices used by the selected laboratory included the following quality control sample information in their generated reports:

(a) laboratory method blanks;
(b) temperature blanks.

INVESTIGATION DERIVED WASTE MANAGEMENT PROTOCOL

The investigation derived waste (IDW) generated during the sampling activities were placed on site. These wastes include any derivative investigative soils leftover from the sampling and backfilling protocol, decontamination water (cleaning of field equipment), bailers, bailer haul-line and PPE equipment, if applicable. The management of IDW for this project complies with applicable or relevant and appropriate requirements (ARAs). The site specific ARAs were followed in consensus with the EPA Standard Operating Procedures (SOP) and Quality Assurance Manual, Region 4 and the *Guidelines For Assessment And Corrective Action*, drafted by the North Carolina Underground Storage Tank Section, effective July 1, 2001.

APPENDIX C

SOIL BORING LOGS

ENVIRONMENTAL INVESTIGATIONS, INC.
2101 Gateway Centre Boulevard, Suite 200
Morrisville, North Carolina
919-544-7500

SOIL BORING LOG

Boring No. 155-2-5
Date Drilled: 04/13/06

Client:	NCDOT	Logged By:	DST
Project Name:	Parcel #155	Drilling Company:	Environmental Probing
Project/Site Location:	130 Burnsville School Road	Drill Device:	Simco
Project Number:	ENMO060029.00	Drill Method:	DPT

Total Boring Depth: 3.05 m
Boring Diameter: 4.0"
Weather Conditions: Warm
Boring Location: east of waste oil AST
Surface Elevation:

Depth (Feet)	Depth (meters)	Time	Sample Analyzed	Recovery	Soil Profile	Lithological Description	Sample PID (ppm)
						Orange to tan to white, slightly indurated clayey SILT	0.0
2.00	0.61			50%			
							0.0
4.00	1.22				(ML)		
							0.0
6.00	1.83			100%			
							0.0
8.00	2.44						
		16:20	x				0.0
10.00	3.05			50%			
						Boring terminated at 3.05m (10.0') bls.	
12.00	3.66					x denotes soil sample at 2.44m - 3.05m (8'-10') bls interval collected for laboratory retention.	
14.00	4.27						
16.00	5.88						

ENVIRONMENTAL INVESTIGATIONS, INC.

2101 Gateway Centre Boulevard, Suite 200
Morrisville, North Carolina
919-544-7500

SOIL BORING LOG

Boring No. 155-3-4
Date Drilled: 04/13/06

Client:	NCDOT	Logged By:	DST
Project Name:	Parcel #155	Drilling Company:	Environmental Probing
Project/Site Location:	130 Burnsville School Road	Drill Device:	Simco
Project Number:	ENMO060029.00	Drill Method:	DPT

Total Boring Depth: 2.44 m
Boring Diameter: 4.0"
Weather Conditions: Warm
Boring Location: proposed drainage piping
Surface Elevation:

Depth (Feet)	Depth (meters)	Time	Sample Analyzed	Recovery	Soil Profile	Lithological Description	Sample PID (ppm)
						Orange to tan to white, slightly indurated clayey SILT	0.0
2.00	0.61			100%			
							0.0
4.00	1.22				(ML)		
							0.0
6.00	1.83			100%			
		16:35	x				0.0
8.00	2.44						
						Boring terminated at 2.44m (8.0') bls.	0.0
10.00	3.05					x denotes soil sample at 1.83m - 2.44m (6'-8') bls interval collected for laboratory retention.	
12.00	3.66						
14.00	4.27						
16.00	5.88						

ENVIRONMENTAL INVESTIGATIONS, INC.

2101 Gateway Centre Boulevard, Suite 200
Morrisville, North Carolina
919-544-7500

SOIL BORING LOG

Boring No. 155-4-4
Date Drilled: 04/13/06

Client:	NCDOT	Logged By:	DST
Project Name:	Parcel #155	Drilling Company:	Environmental Probing
Project/Site Location:	130 Burnsville School Road	Drill Device:	Simco
Project Number:	ENMO060029.00	Drill Method:	DPT

Total Boring Depth: 2.44 m
Boring Diameter: 4.0"
Weather Conditions: Warm
Boring Location: proposed drainage piping
Surface Elevation:

Depth (Feet)	Depth (meters)	Time	Sample Analyzed	Recovery	Soil Profile	Lithological Description	Sample PID (ppm)
						Orange to tan to white, slightly indurated clayey SILT	0.0
2.00	0.61			100%			
							0.0
4.00	1.22				(ML)		
							0.0
6.00	1.83			100%			
		16:45	x				0.0
8.00	2.44						
						Boring terminated at 2.44m (8.0') bls.	0.0
10.00	3.05					x denotes soil sample at 1.83m - 2.44m (6'-8') bls interval collected for laboratory retention.	
12.00	3.66						
14.00	4.27						
16.00	5.88						

APPENDIX D

LABORATORY RESULTS

SGS

Mr. Sterling Turner
Environmental Investigations
5500-E Cox Rd
Glen Allen VA 23060

Report Number: G106-594

Client Project: Yancy DOT

Dear Mr. Turner:

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

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

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

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.

5/3/2006

Laboratory Director Date
J. Patrick Weaver

SGS

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: 155-1-5
Client Project ID: Yancy DOT
Lab Sample ID G106-594-1A
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 04-13-2006 15:55
Date Received: 4/19/2006
Matrix: Soil
%Solids: 76.3

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	58.3	1	4/24/2006
Benzene	BQL	5.83	1	4/24/2006
Bromobenzene	BQL	5.83	1	4/24/2006
Bromochloromethane	BQL	5.83	1	4/24/2006
Bromodichloromethane	BQL	5.83	1	4/24/2006
Bromoform	BQL	5.83	1	4/24/2006
Bromomethane	BQL	5.83	1	4/24/2006
2-Butanone	BQL	29.2	1	4/24/2006
n-Butylbenzene	BQL	5.83	1	4/24/2006
sec-Butylbenzene	BQL	5.83	1	4/24/2006
tert-Butylbenzene	BQL	5.83	1	4/24/2006
Carbon disulfide	BQL	5.83	1	4/24/2006
Carbon tetrachloride	BQL	5.83	1	4/24/2006
Chlorobenzene	BQL	5.83	1	4/24/2006
Chloroethane	BQL	5.83	1	4/24/2006
Chloroform	BQL	5.83	1	4/24/2006
Chloromethane	BQL	5.83	1	4/24/2006
2-Chlorotoluene	BQL	5.83	1	4/24/2006
4-Chlorotoluene	BQL	5.83	1	4/24/2006
Dibromochloromethane	BQL	5.83	1	4/24/2006
1,2-Dibromo-3-chloropropane	BQL	5.83	1	4/24/2006
Dibromomethane	BQL	5.83	1	4/24/2006
1,2-Dibromoethane (EDB)	BQL	5.83	1	4/24/2006
1,2-Dichlorobenzene	BQL	5.83	1	4/24/2006
1,3-Dichlorobenzene	BQL	5.83	1	4/24/2006
1,4-Dichlorobenzene	BQL	5.83	1	4/24/2006
trans-1,4-Dichloro-2-butene	BQL	5.83	1	4/24/2006
1,1-Dichloroethane	BQL	5.83	1	4/24/2006
1,1-Dichloroethene	BQL	5.83	1	4/24/2006
1,2-Dichloroethane	BQL	5.83	1	4/24/2006
cis-1,2-Dichloroethene	BQL	5.83	1	4/24/2006
trans-1,2-dichloroethene	BQL	5.83	1	4/24/2006
1,2-Dichloropropane	BQL	5.83	1	4/24/2006
1,3-Dichloropropane	BQL	5.83	1	4/24/2006
2,2-Dichloropropane	BQL	5.83	1	4/24/2006
1,1-Dichloropropene	BQL	5.83	1	4/24/2006
cis-1,3-Dichloropropene	BQL	5.83	1	4/24/2006
trans-1,3-Dichloropropene	BQL	5.83	1	4/24/2006
Dichlorodifluoromethane	BQL	5.83	1	4/24/2006
Diisopropyl ether (DIPE)	BQL	5.83	1	4/24/2006
Ethylbenzene	BQL	5.83	1	4/24/2006
Hexachlorobutadiene	BQL	5.83	1	4/24/2006

SGS

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: 155-1-5
Client Project ID: Yancy DOT
Lab Sample ID G106-594-1A
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 04-13-2006 15:55
Date Received: 4/19/2006
Matrix: Soil
%Solids: 76.3

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.83	1	4/24/2006
Iodomethane	BQL	5.83	1	4/24/2006
Isopropylbenzene	BQL	5.83	1	4/24/2006
4-Isopropyltoluene	BQL	5.83	1	4/24/2006
Methylene chloride	BQL	23.3	1	4/24/2006
4-Methyl-2-pentanone	BQL	5.83	1	4/24/2006
Methyl-tert-butyl ether (MTBE)	BQL	5.83	1	4/24/2006
Naphthalene	BQL	5.83	1	4/24/2006
n-Propyl benzene	BQL	5.83	1	4/24/2006
Styrene	BQL	5.83	1	4/24/2006
1,1,1,2-Tetrachloroethane	BQL	5.83	1	4/24/2006
1,1,2,2-Tetrachloroethane	BQL	5.83	1	4/24/2006
Tetrachloroethene	BQL	5.83	1	4/24/2006
Toluene	BQL	5.83	1	4/24/2006
1,2,3-Trichlorobenzene	BQL	5.83	1	4/24/2006
1,2,4-Trichlorobenzene	BQL	5.83	1	4/24/2006
Trichloroethene	BQL	5.83	1	4/24/2006
1,1,1-Trichloroethane	BQL	5.83	1	4/24/2006
1,1,2-Trichloroethane	BQL	5.83	1	4/24/2006
Trichlorofluoromethane	BQL	5.83	1	4/24/2006
1,2,3-Trichloropropane	BQL	5.83	1	4/24/2006
1,2,4-Trimethylbenzene	BQL	5.83	1	4/24/2006
1,3,5-Trimethylbenzene	BQL	5.83	1	4/24/2006
Vinyl chloride	BQL	5.83	1	4/24/2006
m-,p-Xylene	BQL	11.7	1	4/24/2006
o-Xylene	BQL	5.83	1	4/24/2006

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	52.1	104
1,2-Dichloroethane-d4	50	53.3	107
Toluene-d8	50	50	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: 155-2-5
Client Project ID: Yancy DOT
Lab Sample ID G106-594-2A
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 04-13-2006 16:20
Date Received: 4/19/2006
Matrix: Soil
%Solids: 71.5

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	65.8	1	4/24/2006
Benzene	BQL	6.58	1	4/24/2006
Bromobenzene	BQL	6.58	1	4/24/2006
Bromochloromethane	BQL	6.58	1	4/24/2006
Bromodichloromethane	BQL	6.58	1	4/24/2006
Bromoform	BQL	6.58	1	4/24/2006
Bromomethane	BQL	6.58	1	4/24/2006
2-Butanone	BQL	32.9	1	4/24/2006
n-Butylbenzene	BQL	6.58	1	4/24/2006
sec-Butylbenzene	BQL	6.58	1	4/24/2006
tert-Butylbenzene	BQL	6.58	1	4/24/2006
Carbon disulfide	BQL	6.58	1	4/24/2006
Carbon tetrachloride	BQL	6.58	1	4/24/2006
Chlorobenzene	BQL	6.58	1	4/24/2006
Chloroethane	BQL	6.58	1	4/24/2006
Chloroform	BQL	6.58	1	4/24/2006
Chloromethane	BQL	6.58	1	4/24/2006
2-Chlorotoluene	BQL	6.58	1	4/24/2006
4-Chlorotoluene	BQL	6.58	1	4/24/2006
Dibromochloromethane	BQL	6.58	1	4/24/2006
1,2-Dibromo-3-chloropropane	BQL	6.58	1	4/24/2006
Dibromomethane	BQL	6.58	1	4/24/2006
1,2-Dibromoethane (EDB)	BQL	6.58	1	4/24/2006
1,2-Dichlorobenzene	BQL	6.58	1	4/24/2006
1,3-Dichlorobenzene	BQL	6.58	1	4/24/2006
1,4-Dichlorobenzene	BQL	6.58	1	4/24/2006
trans-1,4-Dichloro-2-butene	BQL	6.58	1	4/24/2006
1,1-Dichloroethane	BQL	6.58	1	4/24/2006
1,1-Dichloroethene	BQL	6.58	1	4/24/2006
1,2-Dichloroethane	BQL	6.58	1	4/24/2006
cis-1,2-Dichloroethene	BQL	6.58	1	4/24/2006
trans-1,2-dichloroethene	BQL	6.58	1	4/24/2006
1,2-Dichloropropane	BQL	6.58	1	4/24/2006
1,3-Dichloropropane	BQL	6.58	1	4/24/2006
2,2-Dichloropropane	BQL	6.58	1	4/24/2006
1,1-Dichloropropene	BQL	6.58	1	4/24/2006
cis-1,3-Dichloropropene	BQL	6.58	1	4/24/2006
trans-1,3-Dichloropropene	BQL	6.58	1	4/24/2006
Dichlorodifluoromethane	BQL	6.58	1	4/24/2006
Diisopropyl ether (DIPE)	BQL	6.58	1	4/24/2006
Ethylbenzene	BQL	6.58	1	4/24/2006
Hexachlorobutadiene	BQL	6.58	1	4/24/2006

SGS

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: 155-2-5
Client Project ID: Yancy DOT
Lab Sample ID G106-594-2A
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 04-13-2006 16:20
Date Received: 4/19/2006
Matrix: Soil
%Solids: 71.5

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	6.58	1	4/24/2006
Iodomethane	BQL	6.58	1	4/24/2006
Isopropylbenzene	BQL	6.58	1	4/24/2006
4-Isopropyltoluene	BQL	6.58	1	4/24/2006
Methylene chloride	BQL	26.3	1	4/24/2006
4-Methyl-2-pentanone	BQL	6.58	1	4/24/2006
Methyl-tert-butyl ether (MTBE)	BQL	6.58	1	4/24/2006
Naphthalene	BQL	6.58	1	4/24/2006
n-Propyl benzene	BQL	6.58	1	4/24/2006
Styrene	BQL	6.58	1	4/24/2006
1,1,1,2-Tetrachloroethane	BQL	6.58	1	4/24/2006
1,1,2,2-Tetrachloroethane	BQL	6.58	1	4/24/2006
Tetrachloroethene	BQL	6.58	1	4/24/2006
Toluene	BQL	6.58	1	4/24/2006
1,2,3-Trichlorobenzene	BQL	6.58	1	4/24/2006
1,2,4-Trichlorobenzene	BQL	6.58	1	4/24/2006
Trichloroethene	BQL	6.58	1	4/24/2006
1,1,1-Trichloroethane	BQL	6.58	1	4/24/2006
1,1,2-Trichloroethane	BQL	6.58	1	4/24/2006
Trichlorofluoromethane	BQL	6.58	1	4/24/2006
1,2,3-Trichloropropane	BQL	6.58	1	4/24/2006
1,2,4-Trimethylbenzene	BQL	6.58	1	4/24/2006
1,3,5-Trimethylbenzene	BQL	6.58	1	4/24/2006
Vinyl chloride	BQL	6.58	1	4/24/2006
m-,p-Xylene	BQL	13.2	1	4/24/2006
o-Xylene	BQL	6.58	1	4/24/2006

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	53.3	107
1,2-Dichloroethane-d4	50	53.3	107
Toluene-d8	50	50.1	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: 155-3-4
Client Project ID: Yancy DOT
Lab Sample ID G106-594-3A
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 04-13-2006 16:35
Date Received: 4/19/2006
Matrix: Soil
%Solids: 76.1

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	61.8	1	4/24/2006
Benzene	BQL	6.18	1	4/24/2006
Bromobenzene	BQL	6.18	1	4/24/2006
Bromochloromethane	BQL	6.18	1	4/24/2006
Bromodichloromethane	BQL	6.18	1	4/24/2006
Bromoform	BQL	6.18	1	4/24/2006
Bromomethane	BQL	6.18	1	4/24/2006
2-Butanone	BQL	30.9	1	4/24/2006
n-Butylbenzene	BQL	6.18	1	4/24/2006
sec-Butylbenzene	BQL	6.18	1	4/24/2006
tert-Butylbenzene	BQL	6.18	1	4/24/2006
Carbon disulfide	BQL	6.18	1	4/24/2006
Carbon tetrachloride	BQL	6.18	1	4/24/2006
Chlorobenzene	BQL	6.18	1	4/24/2006
Chloroethane	BQL	6.18	1	4/24/2006
Chloroform	BQL	6.18	1	4/24/2006
Chloromethane	BQL	6.18	1	4/24/2006
2-Chlorotoluene	BQL	6.18	1	4/24/2006
4-Chlorotoluene	BQL	6.18	1	4/24/2006
Dibromochloromethane	BQL	6.18	1	4/24/2006
1,2-Dibromo-3-chloropropane	BQL	6.18	1	4/24/2006
Dibromomethane	BQL	6.18	1	4/24/2006
1,2-Dibromoethane (EDB)	BQL	6.18	1	4/24/2006
1,2-Dichlorobenzene	BQL	6.18	1	4/24/2006
1,3-Dichlorobenzene	BQL	6.18	1	4/24/2006
1,4-Dichlorobenzene	BQL	6.18	1	4/24/2006
trans-1,4-Dichloro-2-butene	BQL	6.18	1	4/24/2006
1,1-Dichloroethane	BQL	6.18	1	4/24/2006
1,1-Dichloroethene	BQL	6.18	1	4/24/2006
1,2-Dichloroethane	BQL	6.18	1	4/24/2006
cis-1,2-Dichloroethene	BQL	6.18	1	4/24/2006
trans-1,2-dichloroethene	BQL	6.18	1	4/24/2006
1,2-Dichloropropane	BQL	6.18	1	4/24/2006
1,3-Dichloropropane	BQL	6.18	1	4/24/2006
2,2-Dichloropropane	BQL	6.18	1	4/24/2006
1,1-Dichloropropene	BQL	6.18	1	4/24/2006
cis-1,3-Dichloropropene	BQL	6.18	1	4/24/2006
trans-1,3-Dichloropropene	BQL	6.18	1	4/24/2006
Dichlorodifluoromethane	BQL	6.18	1	4/24/2006
Diisopropyl ether (DIPE)	BQL	6.18	1	4/24/2006
Ethylbenzene	BQL	6.18	1	4/24/2006
Hexachlorobutadiene	BQL	6.18	1	4/24/2006

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Results for Volatiles
by GCMS 8260-5035

Client Sample ID: 155-3-4
Client Project ID: Yancy DOT
Lab Sample ID G106-594-3A
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 04-13-2006 16:35
Date Received: 4/19/2006
Matrix: Soil
%Solids: 76.1

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	6.18	1	4/24/2006
Iodomethane	BQL	6.18	1	4/24/2006
Isopropylbenzene	BQL	6.18	1	4/24/2006
4-Isopropyltoluene	BQL	6.18	1	4/24/2006
Methylene chloride	BQL	24.7	1	4/24/2006
4-Methyl-2-pentanone	BQL	6.18	1	4/24/2006
Methyl-tert-butyl ether (MTBE)	BQL	6.18	1	4/24/2006
Naphthalene	BQL	6.18	1	4/24/2006
n-Propyl benzene	BQL	6.18	1	4/24/2006
Styrene	BQL	6.18	1	4/24/2006
1,1,1,2-Tetrachloroethane	BQL	6.18	1	4/24/2006
1,1,2,2-Tetrachloroethane	BQL	6.18	1	4/24/2006
Tetrachloroethene	BQL	6.18	1	4/24/2006
Toluene	BQL	6.18	1	4/24/2006
1,2,3-Trichlorobenzene	BQL	6.18	1	4/24/2006
1,2,4-Trichlorobenzene	BQL	6.18	1	4/24/2006
Trichloroethene	BQL	6.18	1	4/24/2006
1,1,1-Trichloroethane	BQL	6.18	1	4/24/2006
1,1,2-Trichloroethane	BQL	6.18	1	4/24/2006
Trichlorofluoromethane	BQL	6.18	1	4/24/2006
1,2,3-Trichloropropane	BQL	6.18	1	4/24/2006
1,2,4-Trimethylbenzene	BQL	6.18	1	4/24/2006
1,3,5-Trimethylbenzene	BQL	6.18	1	4/24/2006
Vinyl chloride	BQL	6.18	1	4/24/2006
m-,p-Xylene	BQL	12.4	1	4/24/2006
o-Xylene	BQL	6.18	1	4/24/2006

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	52.5	105
1,2-Dichloroethane-d4	50	53	106
Toluene-d8	50	50.3	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: 

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Results for Volatiles
by GCMS 8260-5035

Client Sample ID: 155-4-4
Client Project ID: Yancy DOT
Lab Sample ID G106-594-4A
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 04-13-2006 16:45
Date Received: 4/19/2006
Matrix: Soil
%Solids: 80.9

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	49.3	1	4/24/2006
Benzene	BQL	4.93	1	4/24/2006
Bromobenzene	BQL	4.93	1	4/24/2006
Bromochloromethane	BQL	4.93	1	4/24/2006
Bromodichloromethane	BQL	4.93	1	4/24/2006
Bromoform	BQL	4.93	1	4/24/2006
Bromomethane	BQL	4.93	1	4/24/2006
2-Butanone	BQL	24.7	1	4/24/2006
n-Butylbenzene	BQL	4.93	1	4/24/2006
sec-Butylbenzene	BQL	4.93	1	4/24/2006
tert-Butylbenzene	BQL	4.93	1	4/24/2006
Carbon disulfide	BQL	4.93	1	4/24/2006
Carbon tetrachloride	BQL	4.93	1	4/24/2006
Chlorobenzene	BQL	4.93	1	4/24/2006
Chloroethane	BQL	4.93	1	4/24/2006
Chloroform	BQL	4.93	1	4/24/2006
Chloromethane	BQL	4.93	1	4/24/2006
2-Chlorotoluene	BQL	4.93	1	4/24/2006
4-Chlorotoluene	BQL	4.93	1	4/24/2006
Dibromochloromethane	BQL	4.93	1	4/24/2006
1,2-Dibromo-3-chloropropane	BQL	4.93	1	4/24/2006
Dibromomethane	BQL	4.93	1	4/24/2006
1,2-Dibromoethane (EDB)	BQL	4.93	1	4/24/2006
1,2-Dichlorobenzene	BQL	4.93	1	4/24/2006
1,3-Dichlorobenzene	BQL	4.93	1	4/24/2006
1,4-Dichlorobenzene	BQL	4.93	1	4/24/2006
trans-1,4-Dichloro-2-butene	BQL	4.93	1	4/24/2006
1,1-Dichloroethane	BQL	4.93	1	4/24/2006
1,1-Dichloroethene	BQL	4.93	1	4/24/2006
1,2-Dichloroethane	BQL	4.93	1	4/24/2006
cis-1,2-Dichloroethene	BQL	4.93	1	4/24/2006
trans-1,2-dichloroethene	BQL	4.93	1	4/24/2006
1,2-Dichloropropane	BQL	4.93	1	4/24/2006
1,3-Dichloropropane	BQL	4.93	1	4/24/2006
2,2-Dichloropropane	BQL	4.93	1	4/24/2006
1,1-Dichloropropene	BQL	4.93	1	4/24/2006
cis-1,3-Dichloropropene	BQL	4.93	1	4/24/2006
trans-1,3-Dichloropropene	BQL	4.93	1	4/24/2006
Dichlorodifluoromethane	BQL	4.93	1	4/24/2006
Diisopropyl ether (DIPE)	BQL	4.93	1	4/24/2006
Ethylbenzene	BQL	4.93	1	4/24/2006
Hexachlorobutadiene	BQL	4.93	1	4/24/2006

SGS

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: 155-4-4
Client Project ID: Yancy DOT
Lab Sample ID G106-594-4A
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: JTF
Date Collected: 04-13-2006 16:45
Date Received: 4/19/2006
Matrix: Soil
%Solids: 80.9

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	4.93	1	4/24/2006
Iodomethane	BQL	4.93	1	4/24/2006
Isopropylbenzene	BQL	4.93	1	4/24/2006
4-Isopropyltoluene	BQL	4.93	1	4/24/2006
Methylene chloride	BQL	19.7	1	4/24/2006
4-Methyl-2-pentanone	BQL	4.93	1	4/24/2006
Methyl-tert-butyl ether (MTBE)	BQL	4.93	1	4/24/2006
Naphthalene	BQL	4.93	1	4/24/2006
n-Propyl benzene	BQL	4.93	1	4/24/2006
Styrene	BQL	4.93	1	4/24/2006
1,1,1,2-Tetrachloroethane	BQL	4.93	1	4/24/2006
1,1,2,2-Tetrachloroethane	BQL	4.93	1	4/24/2006
Tetrachloroethene	BQL	4.93	1	4/24/2006
Toluene	BQL	4.93	1	4/24/2006
1,2,3-Trichlorobenzene	BQL	4.93	1	4/24/2006
1,2,4-Trichlorobenzene	BQL	4.93	1	4/24/2006
Trichloroethene	BQL	4.93	1	4/24/2006
1,1,1-Trichloroethane	BQL	4.93	1	4/24/2006
1,1,2-Trichloroethane	BQL	4.93	1	4/24/2006
Trichlorofluoromethane	BQL	4.93	1	4/24/2006
1,2,3-Trichloropropane	BQL	4.93	1	4/24/2006
1,2,4-Trimethylbenzene	BQL	4.93	1	4/24/2006
1,3,5-Trimethylbenzene	BQL	4.93	1	4/24/2006
Vinyl chloride	BQL	4.93	1	4/24/2006
m-,p-Xylene	BQL	9.87	1	4/24/2006
o-Xylene	BQL	4.93	1	4/24/2006

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	52.6	105
1,2-Dichloroethane-d4	50	53.6	107
Toluene-d8	50	50	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

SGS

Results for Semivolatiles by GCMS 8270

Client Sample ID: 155-1-5
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-1P
Lab Project ID: G106-594
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 4/13/2006 15:55
Date Received: 4/19/2006
Date Extracted: 4/24/2006
Matrix: Soil
% Solids: 76.29

Compound	Result ug/Kg	RL ug/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	402	1	4/25/2006
Acenaphthylene	BQL	402	1	4/25/2006
Anthracene	BQL	402	1	4/25/2006
Benzo[a]anthracene	BQL	402	1	4/25/2006
Benzo[a]pyrene	BQL	402	1	4/25/2006
Benzo[b]fluoranthene	BQL	402	1	4/25/2006
Benzo[g,h,i]perylene	BQL	402	1	4/25/2006
Benzo[k]fluoranthene	BQL	402	1	4/25/2006
Benzoic Acid	BQL	804	1	4/25/2006
Bis(2-chloroethoxy)methane	BQL	402	1	4/25/2006
Bis(2-chloroethyl)ether	BQL	402	1	4/25/2006
Bis(2-chloroisopropyl)ether	BQL	402	1	4/25/2006
Bis(2-ethylhexyl)phthalate	503	402	1	4/25/2006
4-bromophenyl phenyl ether	BQL	402	1	4/25/2006
Butylbenzylphthalate	BQL	402	1	4/25/2006
2-Chloronaphthalene	BQL	402	1	4/25/2006
2-Chlorophenol	BQL	402	1	4/25/2006
4-Chloro-3-methylphenol	BQL	402	1	4/25/2006
4-Chloroaniline	BQL	2010	1	4/25/2006
4-Chlorophenyl phenyl ether	BQL	402	1	4/25/2006
Chrysene	BQL	402	1	4/25/2006
Dibenzo[a,h]anthracene	BQL	402	1	4/25/2006
Dibenzofuran	BQL	402	1	4/25/2006
Di-n-Butylphthalate	BQL	402	1	4/25/2006
1,2-Dichlorobenzene	BQL	402	1	4/25/2006
1,3-Dichlorobenzene	BQL	402	1	4/25/2006
1,4-Dichlorobenzene	BQL	402	1	4/25/2006
3,3'-Dichlorobenzidine	BQL	804	1	4/25/2006
2,4-Dichlorophenol	BQL	402	1	4/25/2006
Diethylphthalate	BQL	402	1	4/25/2006
Dimethylphthalate	BQL	402	1	4/25/2006
2,4-Dimethylphenol	BQL	402	1	4/25/2006
Di-n-octylphthalate	BQL	402	1	4/25/2006
4,6-Dinitro-2-methylphenol	BQL	2010	1	4/25/2006
2,4-Dinitrophenol	BQL	2010	1	4/25/2006
2,4-Dinitrotoluene	BQL	402	1	4/25/2006
2,6-Dinitrotoluene	BQL	402	1	4/25/2006
Diphenylamine *	BQL	402	1	4/25/2006
Fluoranthene	BQL	402	1	4/25/2006
Fluorene	BQL	402	1	4/25/2006
Hexachlorobenzene	BQL	402	1	4/25/2006
Hexachlorobutadiene	BQL	402	1	4/25/2006
Hexachlorocyclopentadiene	BQL	804	1	4/25/2006
Hexachloroethane	BQL	402	1	4/25/2006

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Results for Semivolatiles
by GCMS 8270

Client Sample ID: 155-1-5
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-1P
Lab Project ID: G106-594
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 4/13/2006 15:55
Date Received: 4/19/2006
Date Extracted: 4/24/2006
Matrix: Soil
% Solids: 76.29

Compound	Result ug/Kg	RL ug/Kg	Dilution Factor	Date Analyzed
Indeno(1,2,3-c,d)pyrene	BQL	402	1	4/25/2006
Isophorone	BQL	402	1	4/25/2006
2-Methylnaphthalene	BQL	402	1	4/25/2006
2-Methylphenol	BQL	402	1	4/25/2006
3- & 4-Methylphenol	BQL	402	1	4/25/2006
Naphthalene	BQL	402	1	4/25/2006
2-Nitroaniline	BQL	402	1	4/25/2006
3-Nitroaniline	BQL	2010	1	4/25/2006
4-Nitroaniline	BQL	2010	1	4/25/2006
Nitrobenzene	BQL	402	1	4/25/2006
2-Nitrophenol	BQL	402	1	4/25/2006
4-Nitrophenol	BQL	2010	1	4/25/2006
N-Nitrosodi-n-propylamine	BQL	402	1	4/25/2006
Pentachlorophenol	BQL	2010	1	4/25/2006
Phenanthrene	BQL	402	1	4/25/2006
Phenol	BQL	402	1	4/25/2006
Pyrene	BQL	402	1	4/25/2006
1,2,4-Trichlorobenzene	BQL	402	1	4/25/2006
2,4,5-Trichlorophenol	BQL	402	1	4/25/2006
2,4,6-Trichlorophenol	BQL	402	1	4/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.7	77
2-Fluorophenol	10	8.7	87
Nitrobenzene-d5	10	8.1	81
Phenol-d6	10	9.1	91
2,4,6-Tribromophenol	10	7.9	79
4-Terphenyl-d14	10	7.2	72

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

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

SGS

Results for Semivolatiles by GCMS 8270

Client Sample ID: 155-2-5
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-2N
Lab Project ID: G106-594
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 4/13/2006 16:20
Date Received: 4/19/2006
Date Extracted: 4/24/2006
Matrix: Soil
% Solids: 71.46

Compound	Result ug/Kg	RL ug/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	431	1	4/25/2006
Acenaphthylene	BQL	431	1	4/25/2006
Anthracene	BQL	431	1	4/25/2006
Benzo[a]anthracene	BQL	431	1	4/25/2006
Benzo[a]pyrene	BQL	431	1	4/25/2006
Benzo[b]fluoranthene	BQL	431	1	4/25/2006
Benzo[g,h,i]perylene	BQL	431	1	4/25/2006
Benzo[k]fluoranthene	BQL	431	1	4/25/2006
Benzoic Acid	BQL	862	1	4/25/2006
Bis(2-chloroethoxy)methane	BQL	431	1	4/25/2006
Bis(2-chloroethyl)ether	BQL	431	1	4/25/2006
Bis(2-chloroisopropyl)ether	BQL	431	1	4/25/2006
Bis(2-ethylhexyl)phthalate	BQL	431	1	4/25/2006
4-bromophenyl phenyl ether	BQL	431	1	4/25/2006
Butylbenzylphthalate	BQL	431	1	4/25/2006
2-Chloronaphthalene	BQL	431	1	4/25/2006
2-Chlorophenol	BQL	431	1	4/25/2006
4-Chloro-3-methylphenol	BQL	431	1	4/25/2006
4-Chloroaniline	BQL	2160	1	4/25/2006
4-Chlorophenyl phenyl ether	BQL	431	1	4/25/2006
Chrysene	BQL	431	1	4/25/2006
Dibenzo[a,h]anthracene	BQL	431	1	4/25/2006
Dibenzofuran	BQL	431	1	4/25/2006
Di-n-Butylphthalate	BQL	431	1	4/25/2006
1,2-Dichlorobenzene	BQL	431	1	4/25/2006
1,3-Dichlorobenzene	BQL	431	1	4/25/2006
1,4-Dichlorobenzene	BQL	431	1	4/25/2006
3,3'-Dichlorobenzidine	BQL	862	1	4/25/2006
2,4-Dichlorophenol	BQL	431	1	4/25/2006
Diethylphthalate	BQL	431	1	4/25/2006
Dimethylphthalate	BQL	431	1	4/25/2006
2,4-Dimethylphenol	BQL	431	1	4/25/2006
Di-n-octylphthalate	BQL	431	1	4/25/2006
4,6-Dinitro-2-methylphenol	BQL	2160	1	4/25/2006
2,4-Dinitrophenol	BQL	2160	1	4/25/2006
2,4-Dinitrotoluene	BQL	431	1	4/25/2006
2,6-Dinitrotoluene	BQL	431	1	4/25/2006
Diphenylamine *	BQL	431	1	4/25/2006
Fluoranthene	BQL	431	1	4/25/2006
Fluorene	BQL	431	1	4/25/2006
Hexachlorobenzene	BQL	431	1	4/25/2006
Hexachlorobutadiene	BQL	431	1	4/25/2006
Hexachlorocyclopentadiene	BQL	862	1	4/25/2006
Hexachloroethane	BQL	431	1	4/25/2006

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: 155-2-5
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-2N
Lab Project ID: G106-594
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 4/13/2006 16:20
Date Received: 4/19/2006
Date Extracted: 4/24/2006
Matrix: Soil
% Solids: 71.46

Compound	Result ug/Kg	RL ug/Kg	Dilution Factor	Date Analyzed
Indeno(1,2,3-c,d)pyrene	BQL	431	1	4/25/2006
Isophorone	BQL	431	1	4/25/2006
2-Methylnaphthalene	BQL	431	1	4/25/2006
2-Methylphenol	BQL	431	1	4/25/2006
3- & 4-Methylphenol	BQL	431	1	4/25/2006
Naphthalene	BQL	431	1	4/25/2006
2-Nitroaniline	BQL	431	1	4/25/2006
3-Nitroaniline	BQL	2160	1	4/25/2006
4-Nitroaniline	BQL	2160	1	4/25/2006
Nitrobenzene	BQL	431	1	4/25/2006
2-Nitrophenol	BQL	431	1	4/25/2006
4-Nitrophenol	BQL	2160	1	4/25/2006
N-Nitrosodi-n-propylamine	BQL	431	1	4/25/2006
Pentachlorophenol	BQL	2160	1	4/25/2006
Phenanthrene	BQL	431	1	4/25/2006
Phenol	BQL	431	1	4/25/2006
Pyrene	BQL	431	1	4/25/2006
1,2,4-Trichlorobenzene	BQL	431	1	4/25/2006
2,4,5-Trichlorophenol	BQL	431	1	4/25/2006
2,4,6-Trichlorophenol	BQL	431	1	4/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.4	74
2-Fluorophenol	10	8.8	88
Nitrobenzene-d5	10	8.2	82
Phenol-d6	10	9.2	92
2,4,6-Tribromophenol	10	7.8	78
4-Terphenyl-d14	10	7.2	72

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

Flags:
BQL = Below Quantitation Limits.

Reviewed By:

SGS

Results for Semivolatiles by GCMS 8270

Client Sample ID: 155-3-4
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-3P
Lab Project ID: G106-594
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 4/13/2006 16:35
Date Received: 4/19/2006
Date Extracted: 4/24/2006
Matrix: Soil
% Solids: 76.08

Compound	Result ug/Kg	RL ug/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	388	1	4/25/2006
Acenaphthylene	BQL	388	1	4/25/2006
Anthracene	BQL	388	1	4/25/2006
Benzo[a]anthracene	BQL	388	1	4/25/2006
Benzo[a]pyrene	BQL	388	1	4/25/2006
Benzo[b]fluoranthene	BQL	388	1	4/25/2006
Benzo[g,h,i]perylene	BQL	388	1	4/25/2006
Benzo[k]fluoranthene	BQL	388	1	4/25/2006
Benzoic Acid	BQL	776	1	4/25/2006
Bis(2-chloroethoxy)methane	BQL	388	1	4/25/2006
Bis(2-chloroethyl)ether	BQL	388	1	4/25/2006
Bis(2-chloroisopropyl)ether	BQL	388	1	4/25/2006
Bis(2-ethylhexyl)phthalate	551	388	1	4/25/2006
4-bromophenyl phenyl ether	BQL	388	1	4/25/2006
Butylbenzylphthalate	BQL	388	1	4/25/2006
2-Chloronaphthalene	BQL	388	1	4/25/2006
2-Chlorophenol	BQL	388	1	4/25/2006
4-Chloro-3-methylphenol	BQL	388	1	4/25/2006
4-Chloroaniline	BQL	1940	1	4/25/2006
4-Chlorophenyl phenyl ether	BQL	388	1	4/25/2006
Chrysene	BQL	388	1	4/25/2006
Dibenzo[a,h]anthracene	BQL	388	1	4/25/2006
Dibenzofuran	BQL	388	1	4/25/2006
Di-n-Butylphthalate	BQL	388	1	4/25/2006
1,2-Dichlorobenzene	BQL	388	1	4/25/2006
1,3-Dichlorobenzene	BQL	388	1	4/25/2006
1,4-Dichlorobenzene	BQL	388	1	4/25/2006
3,3'-Dichlorobenzidine	BQL	776	1	4/25/2006
2,4-Dichlorophenol	BQL	388	1	4/25/2006
Diethylphthalate	BQL	388	1	4/25/2006
Dimethylphthalate	BQL	388	1	4/25/2006
2,4-Dimethylphenol	BQL	388	1	4/25/2006
Di-n-octylphthalate	BQL	388	1	4/25/2006
4,6-Dinitro-2-methylphenol	BQL	1940	1	4/25/2006
2,4-Dinitrophenol	BQL	1940	1	4/25/2006
2,4-Dinitrotoluene	BQL	388	1	4/25/2006
2,6-Dinitrotoluene	BQL	388	1	4/25/2006
Diphenylamine *	BQL	388	1	4/25/2006
Fluoranthene	BQL	388	1	4/25/2006
Fluorene	BQL	388	1	4/25/2006
Hexachlorobenzene	BQL	388	1	4/25/2006
Hexachlorobutadiene	BQL	388	1	4/25/2006
Hexachlorocyclopentadiene	BQL	776	1	4/25/2006
Hexachloroethane	BQL	388	1	4/25/2006

SGS

Results for Semivolatiles by GCMS 8270

Client Sample ID: 155-3-4
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-3P
Lab Project ID: G106-594
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 4/13/2006 16:35
Date Received: 4/19/2006
Date Extracted: 4/24/2006
Matrix: Soil
% Solids: 76.08

Compound	Result ug/Kg	RL ug/Kg	Dilution Factor	Date Analyzed
Indeno(1,2,3-c,d)pyrene	BQL	388	1	4/25/2006
Isophorone	BQL	388	1	4/25/2006
2-Methylnaphthalene	BQL	388	1	4/25/2006
2-Methylphenol	BQL	388	1	4/25/2006
3- & 4-Methylphenol	BQL	388	1	4/25/2006
Naphthalene	BQL	388	1	4/25/2006
2-Nitroaniline	BQL	388	1	4/25/2006
3-Nitroaniline	BQL	1940	1	4/25/2006
4-Nitroaniline	BQL	1940	1	4/25/2006
Nitrobenzene	BQL	388	1	4/25/2006
2-Nitrophenol	BQL	388	1	4/25/2006
4-Nitrophenol	BQL	1940	1	4/25/2006
N-Nitrosodi-n-propylamine	BQL	388	1	4/25/2006
Pentachlorophenol	BQL	1940	1	4/25/2006
Phenanthrene	BQL	388	1	4/25/2006
Phenol	BQL	388	1	4/25/2006
Pyrene	BQL	388	1	4/25/2006
1,2,4-Trichlorobenzene	BQL	388	1	4/25/2006
2,4,5-Trichlorophenol	BQL	388	1	4/25/2006
2,4,6-Trichlorophenol	BQL	388	1	4/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	8.4	84
Nitrobenzene-d5	10	8.4	84
Phenol-d6	10	8.9	89
2,4,6-Tribromophenol	10	8.2	82
4-Terphenyl-d14	10	7.7	77

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By: _____

SGS

Results for Semivolatiles by GCMS 8270

Client Sample ID: 155-4-4
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-4O
Lab Project ID: G106-594
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 4/13/2006 16:45
Date Received: 4/19/2006
Date Extracted: 4/24/2006
Matrix: Soil
% Solids: 80.93

Compound	Result ug/Kg	RL ug/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	379	1	4/25/2006
Acenaphthylene	BQL	379	1	4/25/2006
Anthracene	BQL	379	1	4/25/2006
Benzo[a]anthracene	BQL	379	1	4/25/2006
Benzo[a]pyrene	BQL	379	1	4/25/2006
Benzo[b]fluoranthene	BQL	379	1	4/25/2006
Benzo[g,h,i]perylene	BQL	379	1	4/25/2006
Benzo[k]fluoranthene	BQL	379	1	4/25/2006
Benzoic Acid	BQL	758	1	4/25/2006
Bis(2-chloroethoxy)methane	BQL	379	1	4/25/2006
Bis(2-chloroethyl)ether	BQL	379	1	4/25/2006
Bis(2-chloroisopropyl)ether	BQL	379	1	4/25/2006
Bis(2-ethylhexyl)phthalate	648	379	1	4/25/2006
4-bromophenyl phenyl ether	BQL	379	1	4/25/2006
Butylbenzylphthalate	BQL	379	1	4/25/2006
2-Chloronaphthalene	BQL	379	1	4/25/2006
2-Chlorophenol	BQL	379	1	4/25/2006
4-Chloro-3-methylphenol	BQL	379	1	4/25/2006
4-Chloroaniline	BQL	1890	1	4/25/2006
4-Chlorophenyl phenyl ether	BQL	379	1	4/25/2006
Chrysene	BQL	379	1	4/25/2006
Dibenzo[a,h]anthracene	BQL	379	1	4/25/2006
Dibenzofuran	BQL	379	1	4/25/2006
Di-n-Butylphthalate	BQL	379	1	4/25/2006
1,2-Dichlorobenzene	BQL	379	1	4/25/2006
1,3-Dichlorobenzene	BQL	379	1	4/25/2006
1,4-Dichlorobenzene	BQL	379	1	4/25/2006
3,3'-Dichlorobenzidine	BQL	758	1	4/25/2006
2,4-Dichlorophenol	BQL	379	1	4/25/2006
Diethylphthalate	BQL	379	1	4/25/2006
Dimethylphthalate	BQL	379	1	4/25/2006
2,4-Dimethylphenol	BQL	379	1	4/25/2006
Di-n-octylphthalate	BQL	379	1	4/25/2006
4,6-Dinitro-2-methylphenol	BQL	1890	1	4/25/2006
2,4-Dinitrophenol	BQL	1890	1	4/25/2006
2,4-Dinitrotoluene	BQL	379	1	4/25/2006
2,6-Dinitrotoluene	BQL	379	1	4/25/2006
Diphenylamine *	BQL	379	1	4/25/2006
Fluoranthene	BQL	379	1	4/25/2006
Fluorene	BQL	379	1	4/25/2006
Hexachlorobenzene	BQL	379	1	4/25/2006
Hexachlorobutadiene	BQL	379	1	4/25/2006
Hexachlorocyclopentadiene	BQL	758	1	4/25/2006
Hexachloroethane	BQL	379	1	4/25/2006

SGS

Results for Semivolatiles
by GCMS 8270

Client Sample ID: 155-4-4
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-4O
Lab Project ID: G106-594
Report Basis: Dry weight

Analyzed By: MRC
Date Collected: 4/13/2006 16:45
Date Received: 4/19/2006
Date Extracted: 4/24/2006
Matrix: Soil
% Solids: 80.93

Compound	Result ug/Kg	RL ug/Kg	Dilution Factor	Date Analyzed
Indeno(1,2,3-c,d)pyrene	BQL	379	1	4/25/2006
Isophorone	BQL	379	1	4/25/2006
2-Methylnaphthalene	BQL	379	1	4/25/2006
2-Methylphenol	BQL	379	1	4/25/2006
3- & 4-Methylphenol	BQL	379	1	4/25/2006
Naphthalene	BQL	379	1	4/25/2006
2-Nitroaniline	BQL	379	1	4/25/2006
3-Nitroaniline	BQL	1890	1	4/25/2006
4-Nitroaniline	BQL	1890	1	4/25/2006
Nitrobenzene	BQL	379	1	4/25/2006
2-Nitrophenol	BQL	379	1	4/25/2006
4-Nitrophenol	BQL	1890	1	4/25/2006
N-Nitrosodi-n-propylamine	BQL	379	1	4/25/2006
Pentachlorophenol	BQL	1890	1	4/25/2006
Phenanthrene	BQL	379	1	4/25/2006
Phenol	BQL	379	1	4/25/2006
Pyrene	BQL	379	1	4/25/2006
1,2,4-Trichlorobenzene	BQL	379	1	4/25/2006
2,4,5-Trichlorophenol	BQL	379	1	4/25/2006
2,4,6-Trichlorophenol	BQL	379	1	4/25/2006

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
2-Fluorophenol	10	8.9	89
Nitrobenzene-d5	10	8.8	88
Phenol-d6	10	9.3	93
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	8.3	83

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

Flags:
BQL = Below Quantitation Limits.

Reviewed By: _____

SGS

Results for Total Petroleum Hydrocarbons
by GC/FID 8015

Client Sample ID: 155-1-5
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-1
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 4/13/2006 15:55
Date Received: 4/19/2006
Matrix: Soil
Solids 76.29

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7.99	5035	1	04/22/06
Diesel Range Organics	BQL	7.08	3541	1	04/27/06

Comments:

Flags:

Reviewed By: TPH_LIMS_v1.9

SGS

Results for Total Petroleum Hydrocarbons
by **GC/FID 8015**

Client Sample ID: 155-2-5
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-2
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 4/13/2006 16:20
Date Received: 4/19/2006
Matrix: Soil
Solids 71.46

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	7.40	5035	1	04/22/06
Diesel Range Organics	BQL	8.16	3541	1	04/27/06

Comments:

Flags:

Reviewed By: TPH_LIMS_v1.9

SGS

Results for Total Petroleum Hydrocarbons
by **GC/FID 8015**

Client Sample ID: 155-3-4
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-3
Lab Project ID: G106-594
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 4/13/2006 16:35
Date Received: 4/19/2006
Matrix: Soil
Solids 76.08

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	8.32	5035	1	04/22/06
Diesel Range Organics	BQL	8.17	3541	1	04/27/06

Comments:

Flags:

Reviewed By:

SGS

Results for Metals

Client Sample ID:	155-1-5	Analyzed By:	PSW
Client Project ID:	Yancy DOT	Date Collected:	4/13/2006 15:55
Lab Sample ID:	G106-594-1	Date Received:	4/19/2006
Lab Project ID:	G106-594	Matrix:	SOIL
Batch ID:	4983 5000	Solids	76.29
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	7.56	1	MG/KG	6010B	4/25/2006
Arsenic	BQL	1.26	1	MG/KG	6010B	4/25/2006
Beryllium	BQL	1.26	1	MG/KG	6010B	4/25/2006
Cadmium	BQL	1.26	1	MG/KG	6010B	4/25/2006
Chromium	**66.2**	1.26	1	MG/KG	6010B	4/25/2006
Copper	**19.7**	2.52	1	MG/KG	6010B	4/25/2006
Lead	**4.47**	1.26	1	MG/KG	6010B	4/25/2006
Mercury	**0.0267**	0.0230	1	MG/KG	7471	4/25/2006
Nickel	**26.1**	5.04	1	MG/KG	6010B	4/25/2006
Selenium	**2.59**	2.52	1	MG/KG	6010B	4/25/2006
Silver	BQL	1.26	1	MG/KG	6010B	4/25/2006
Thallium	BQL	1.26	1	MG/KG	6010B	4/25/2006
Zinc	**39.7**	2.52	1	MG/KG	6010B	4/25/2006

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.0

SGS

Results for Metals

Client Sample ID:	155-2-5	Analyzed By:	PSW
Client Project ID:	Yancy DOT	Date Collected:	4/13/2006 16:20
Lab Sample ID:	G106-594-2	Date Received:	4/19/2006
Lab Project ID:	G106-594	Matrix:	SOIL
Batch ID:	4983 5000	Solids	71.46
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	7.77	1	MG/KG	6010B	4/25/2006
Arsenic	BQL	1.30	1	MG/KG	6010B	4/25/2006
Beryllium	BQL	1.30	1	MG/KG	6010B	4/25/2006
Cadmium	BQL	1.30	1	MG/KG	6010B	4/25/2006
Chromium	**94.2**	1.30	1	MG/KG	6010B	4/25/2006
Copper	**43.8**	2.59	1	MG/KG	6010B	4/25/2006
Lead	**4.66**	1.30	1	MG/KG	6010B	4/25/2006
Mercury	BQL	0.0252	1	MG/KG	7471	4/25/2006
Nickel	**49.5**	5.18	1	MG/KG	6010B	4/25/2006
Selenium	BQL	2.59	1	MG/KG	6010B	4/25/2006
Silver	BQL	1.30	1	MG/KG	6010B	4/25/2006
Thallium	BQL	1.30	1	MG/KG	6010B	4/25/2006
Zinc	**77.4**	2.59	1	MG/KG	6010B	4/25/2006

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.0

SGS

Results for Metals

Client Sample ID:	155-3-4	Analyzed By:	PSW
Client Project ID:	Yancy DOT	Date Collected:	4/13/2006 16:35
Lab Sample ID:	G106-594-3	Date Received:	4/19/2006
Lab Project ID:	G106-594	Matrix:	SOIL
Batch ID:	4983 5000	Solids	76.08
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	7.73	1	MG/KG	6010B	4/25/2006
Arsenic	**1.64**	1.29	1	MG/KG	6010B	4/25/2006
Beryllium	BQL	1.29	1	MG/KG	6010B	4/25/2006
Cadmium	BQL	1.29	1	MG/KG	6010B	4/25/2006
Chromium	**30.7**	1.29	1	MG/KG	6010B	4/25/2006
Copper	**21.9**	2.58	1	MG/KG	6010B	4/25/2006
Lead	**18.4**	1.29	1	MG/KG	6010B	4/25/2006
Mercury	**0.0362**	0.0248	1	MG/KG	7471	4/25/2006
Nickel	**13.5**	5.15	1	MG/KG	6010B	4/25/2006
Selenium	**2.90**	2.58	1	MG/KG	6010B	4/25/2006
Silver	BQL	1.29	1	MG/KG	6010B	4/25/2006
Thallium	BQL	1.29	1	MG/KG	6010B	4/25/2006
Zinc	**64.1**	2.58	1	MG/KG	6010B	4/25/2006

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.0

SGS

Results for Metals

Client Sample ID:	155-4-4	Analyzed By:	PSW
Client Project ID:	Yancy DOT	Date Collected:	4/13/2006 16:45
Lab Sample ID:	G106-594-4	Date Received:	4/19/2006
Lab Project ID:	G106-594	Matrix:	SOIL
Batch ID:	4983 5000	Solids	80.93
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	6.99	1	MG/KG	6010B	4/25/2006
Arsenic	**1.50**	1.17	1	MG/KG	6010B	4/25/2006
Beryllium	BQL	1.17	1	MG/KG	6010B	4/25/2006
Cadmium	BQL	1.17	1	MG/KG	6010B	4/25/2006
Chromium	**31.2**	1.17	1	MG/KG	6010B	4/25/2006
Copper	**20.8**	2.33	1	MG/KG	6010B	4/25/2006
Lead	**7.22**	1.17	1	MG/KG	6010B	4/25/2006
Mercury	BQL	0.0233	1	MG/KG	7471	4/25/2006
Nickel	**16.2**	4.66	1	MG/KG	6010B	4/25/2006
Selenium	BQL	2.33	1	MG/KG	6010B	4/25/2006
Silver	BQL	1.17	1	MG/KG	6010B	4/25/2006
Thallium	BQL	1.17	1	MG/KG	6010B	4/25/2006
Zinc	**65.6**	2.33	1	MG/KG	6010B	4/25/2006

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.0

SGS

Results for Metals

Client Sample ID:	155-Background	Analyzed By:	PSW
Client Project ID:	Yancy DOT	Date Collected:	4/13/2006 16:55
Lab Sample ID:	G106-594-5	Date Received:	4/19/2006
Lab Project ID:	G106-594	Matrix:	SOIL
Batch ID:	4983 5000	Solids	80.66
Report Basis:	Dry		

Metals	Result	RL	DF	Units	Method	Date Analyzed
Antimony	BQL	7.29	1	MG/KG	6010B	4/25/2006
Arsenic	**1.65**	1.22	1	MG/KG	6010B	4/25/2006
Beryllium	BQL	1.22	1	MG/KG	6010B	4/25/2006
Cadmium	BQL	1.22	1	MG/KG	6010B	4/25/2006
Chromium	**21.8**	1.22	1	MG/KG	6010B	4/25/2006
Copper	**21.0**	2.43	1	MG/KG	6010B	4/25/2006
Lead	**6.99**	1.22	1	MG/KG	6010B	4/25/2006
Mercury	**0.0344**	0.0241	1	MG/KG	7471	4/25/2006
Nickel	**13.6**	4.86	1	MG/KG	6010B	4/25/2006
Selenium	**3.32**	2.43	1	MG/KG	6010B	4/25/2006
Silver	BQL	1.22	1	MG/KG	6010B	4/25/2006
Thallium	BQL	1.22	1	MG/KG	6010B	4/25/2006
Zinc	**67.7**	2.43	1	MG/KG	6010B	4/25/2006

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.0

SGS

Analytical Results

Client Sample ID:	155-1-5	Date Collected:	4/13/2006
Client Project ID:	Yancy DOT	Date Received:	4/19/2006
Lab Sample ID:	G106-594-1	Matrix:	Soil
Lab Project ID:	G106-594		

Analyte	Result	RL	Units	Method	Date Analyzed	Sub Lab
Reactive Cyanide	BQL	0.15	mg/Kg	335.2	4/24/2006	EnviroChem
Reactive Sulfide	BQL	0.31	mg/Kg	SM 4500-D	4/20/2006	EnviroChem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Samples reported on dry weight basis.
MDL and RL adjusted for dry weights.

Reviewed By: _____
subout_LIMS_v1.2

SGS

Analytical Results

Client Sample ID:	155-2-5	Date Collected:	4/13/2006
Client Project ID:	Yancy DOT	Date Received:	4/19/2006
Lab Sample ID:	G106-594-2	Matrix:	Soil
Lab Project ID:	G106-594		

Analyte	Result	RL	Units	Method	Date Analyzed	Sub Lab
Reactive Cyanide	BQL	0.18	mg/Kg	335.2	4/24/2006	EnviroChem
Reactive Sulfide	BQL	0.36	mg/Kg	SM 4500-D	4/20/2006	EnviroChem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Samples reported on dry weight basis.
MDL and RL adjusted for dry weights.

Reviewed By:
subout_LIMS_v1.2

SGS

Analytical Results

Client Sample ID:	155-3-4	Date Collected:	4/13/2006
Client Project ID:	Yancy DOT	Date Received:	4/19/2006
Lab Sample ID:	G106-594-3	Matrix:	Soil
Lab Project ID:	G106-594		

Analyte	Result	RL	Units	Method	Date Analyzed	Sub Lab
Reactive Cyanide	BQL	0.16	mg/Kg	335.2	4/24/2006	EnviroChem
Reactive Sulfide	BQL	0.33	mg/Kg	SM 4500-D	4/20/2006	EnviroChem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Samples reported on dry weight basis.
MDL and RL adjusted for dry weights.

Reviewed By:
subout_LIMS_v1.2

SGS

Analytical Results

Client Sample ID:	155-4-4	Date Collected:	4/13/2006
Client Project ID:	Yancy DOT	Date Received:	4/19/2006
Lab Sample ID:	G106-594-4	Matrix:	Soil
Lab Project ID:	G106-594		

Analyte	Result	RL	Units	Method	Date Analyzed	Sub Lab
Reactive Cyanide	BQL	0.16	mg/Kg	335.2	4/24/2006	EnviroChem
Reactive Sulfide	BQL	0.32	mg/Kg	SM 4500-D	4/20/2006	EnviroChem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Samples reported on dry weight basis.
MDL and RL adjusted for dry weights.

Reviewed By:
subout_LIMS_v1.2

SGS

Results for PCBs
by EPA 8082

Client Sample ID: 155-1-5
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-1K
Lab Project ID: G106-594
Sample Wt/Vol: 32.22 ColumnID: STX-CLPest
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/13/06 15:55
Date Received: 4/19/06
Date Extracted: 4/21/06
Matrix: Soil
%SOLIDS: 76.3

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	40.7	1	04/27/06
Aroclor-1221	BQL	40.7	1	04/27/06
Aroclor-1232	BQL	40.7	1	04/27/06
Aroclor-1242	BQL	40.7	1	04/27/06
Aroclor-1248	BQL	40.7	1	04/27/06
Aroclor-1254	BQL	40.7	1	04/27/06
Aroclor-1260	BQL	40.7	1	04/27/06
Aroclor-1262	BQL	40.7	1	04/27/06

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	81	81

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By:

8082_LIMS_v1.5A

SGS

Results for PCBs
by EPA 8082

Client Sample ID: 155-2-5
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-2K
Lab Project ID: G106-594
Sample Wt/Vol: 32.09 ColumnID: STX-CLPest
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/13/06 16:20
Date Received: 4/19/06
Date Extracted: 4/21/06
Matrix: Soil
%SOLIDS: 71.5

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	43.6	1	04/27/06
Aroclor-1221	BQL	43.6	1	04/27/06
Aroclor-1232	BQL	43.6	1	04/27/06
Aroclor-1242	BQL	43.6	1	04/27/06
Aroclor-1248	BQL	43.6	1	04/27/06
Aroclor-1254	BQL	43.6	1	04/27/06
Aroclor-1260	BQL	43.6	1	04/27/06
Aroclor-1262	BQL	43.6	1	04/27/06

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	75	75

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By:

8082_LIMS_v1.5A

SGS

Results for PCBs
by EPA 8082

Client Sample ID: 155-3-4
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-3K
Lab Project ID: G106-594
Sample Wt/Vol: 32.37 ColumnID: STX-CLPest
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/13/06 16:35
Date Received: 4/19/06
Date Extracted: 4/21/06
Matrix: Soil
%SOLIDS: 76.1

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	40.6	1	04/27/06
Aroclor-1221	BQL	40.6	1	04/27/06
Aroclor-1232	BQL	40.6	1	04/27/06
Aroclor-1242	BQL	40.6	1	04/27/06
Aroclor-1248	BQL	40.6	1	04/27/06
Aroclor-1254	BQL	40.6	1	04/27/06
Aroclor-1260	BQL	40.6	1	04/27/06
Aroclor-1262	BQL	40.6	1	04/27/06

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	85	85

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By: _____

8082_LIMS_v1.5A

SGS

Results for PCBs
by EPA 8082

Client Sample ID: 155-4-4
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-4K
Lab Project ID: G106-594
Sample Wt/Vol: 32.27 ColumnID: STX-CLPest
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/13/06 16:45
Date Received: 4/19/06
Date Extracted: 4/21/06
Matrix: Soil
%SOLIDS: 80.9

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed
Aroclor-1016	BQL	38.3	1	04/27/06
Aroclor-1221	BQL	38.3	1	04/27/06
Aroclor-1232	BQL	38.3	1	04/27/06
Aroclor-1242	BQL	38.3	1	04/27/06
Aroclor-1248	BQL	38.3	1	04/27/06
Aroclor-1254	BQL	38.3	1	04/27/06
Aroclor-1260	BQL	38.3	1	04/27/06
Aroclor-1262	BQL	38.3	1	04/27/06

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	89	89

Comments:
BQL = Below Quantitation Limit
NA = Not applicable, surrogate diluted out.

Reviewed By:

8082_LIMS_v1.5A

SGS

Results for Pesticides
by EPA 8081

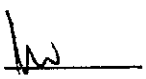
Client Sample ID: 155-1-5
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-1L
Lab Project ID: G106-594
Sample Wt/Vol: 32.17 g ColumnID: STX_CLPest
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/13/06 15:55
Date Received: 4/19/06
Date Extracted: 4/21/06
Matrix: Soil
% Solids: 76.3

Compound	Result ug/KG	RL ug/KG	Dilution Factor	Date Analyzed
alpha-BHC	BQL	12.2	1	5/3/06
beta-BHC	BQL	12.2	1	5/3/06
delta-BHC	BQL	12.2	1	5/3/06
gamma-BHC (Lindane)	BQL	12.2	1	5/3/06
Heptachlor	BQL	12.2	1	5/3/06
Aldrin	BQL	12.2	1	5/3/06
Heptachlor epoxide	BQL	12.2	1	5/3/06
Endosulfan I	BQL	12.2	1	5/3/06
Dieldrin	BQL	12.2	1	5/3/06
4,4'-DDE	BQL	12.2	1	5/3/06
Endrin	BQL	12.2	1	5/3/06
DDD	BQL	12.2	1	5/3/06
Endosulfan II	BQL	12.2	1	5/3/06
4,4'-DDT	BQL	12.2	1	5/3/06
Methoxychlor	BQL	12.2	1	5/3/06
Toxaphene	BQL	40.7	1	5/3/06
alpha-Chlordane	BQL	12.2	1	5/3/06
gamma-Chlordane	BQL	12.2	1	5/3/06
Endrin aldehyde	BQL	12.2	1	5/3/06
Endosulfan sulfate	BQL	12.2	1	5/3/06
Endrin ketone	BQL	12.2	1	5/3/06

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	78.5	78.5

Comments:
BQL = Below Quantitation Limit

Reviewed By: 

8081_LIMS_v2.1

SGS

Results for Pesticides
by EPA 8081

Client Sample ID: 155-2-5
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-2L
Lab Project ID: G106-594
Sample Wt/Vol: 32.21 g ColumnID: STX_CLPest
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/13/06 16:20
Date Received: 4/19/06
Date Extracted: 4/21/06
Matrix: Soil
% Solids: 71.5

Compound	Result ug/KG	RL ug/KG	Dilution Factor	Date Analyzed
alpha-BHC	BQL	13.0	1	5/3/06
beta-BHC	BQL	13.0	1	5/3/06
delta-BHC	BQL	13.0	1	5/3/06
gamma-BHC (Lindane)	BQL	13.0	1	5/3/06
Heptachlor	BQL	13.0	1	5/3/06
Aldrin	BQL	13.0	1	5/3/06
Heptachlor epoxide	BQL	13.0	1	5/3/06
Endosulfan I	BQL	13.0	1	5/3/06
Dieldrin	BQL	13.0	1	5/3/06
4,4'-DDE	BQL	13.0	1	5/3/06
Endrin	BQL	13.0	1	5/3/06
DDD	BQL	13.0	1	5/3/06
Endosulfan II	BQL	13.0	1	5/3/06
4,4'-DDT	BQL	13.0	1	5/3/06
Methoxychlor	BQL	13.0	1	5/3/06
Toxaphene	BQL	43.4	1	5/3/06
alpha-Chlordane	BQL	13.0	1	5/3/06
gamma-Chlordane	BQL	13.0	1	5/3/06
Endrin aldehyde	BQL	13.0	1	5/3/06
Endosulfan sulfate	BQL	13.0	1	5/3/06
Endrin ketone	BQL	13.0	1	5/3/06

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	78.7	78.7

Comments:
BQL = Below Quantitation Limit

Reviewed By:

SGS

Results for Pesticides
by EPA 8081

Client Sample ID: 155-3-4
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-3N
Lab Project ID: G106-594
Sample Wt/Vol: 32.37 g ColumnID: STX_CLPest
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/13/06 16:35
Date Received: 4/19/06
Date Extracted: 4/21/06
Matrix: Soil
% Solids: 76.1

Compound	Result ug/KG	RL ug/KG	Dilution Factor	Date Analyzed
alpha-BHC	BQL	12.2	1	5/3/06
beta-BHC	BQL	12.2	1	5/3/06
delta-BHC	BQL	12.2	1	5/3/06
gamma-BHC (Lindane)	BQL	12.2	1	5/3/06
Heptachlor	BQL	12.2	1	5/3/06
Aldrin	BQL	12.2	1	5/3/06
Heptachlor epoxide	BQL	12.2	1	5/3/06
Endosulfan I	BQL	12.2	1	5/3/06
Dieldrin	BQL	12.2	1	5/3/06
4,4'-DDE	BQL	12.2	1	5/3/06
Endrin	BQL	12.2	1	5/3/06
DDD	BQL	12.2	1	5/3/06
Endosulfan II	BQL	12.2	1	5/3/06
4,4'-DDT	BQL	12.2	1	5/3/06
Methoxychlor	BQL	12.2	1	5/3/06
Toxaphene	BQL	40.6	1	5/3/06
alpha-Chlordane	BQL	12.2	1	5/3/06
gamma-Chlordane	BQL	12.2	1	5/3/06
Endrin aldehyde	BQL	12.2	1	5/3/06
Endosulfan sulfate	BQL	12.2	1	5/3/06
Endrin ketone	BQL	12.2	1	5/3/06

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	76	76

Comments:
BQL = Below Quantitation Limit

Reviewed By:

8081_LIMS_v2.1

SGS

Results for Pesticides
by EPA 8081

Client Sample ID: 155-4-4
Client Project ID: Yancy DOT
Lab Sample ID: G106-594-4M
Lab Project ID: G106-594
Sample Wt/Vol: 32.21 g ColumnID: STX_CLPest
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/13/06 16:45
Date Received: 4/19/06
Date Extracted: 4/21/06
Matrix: Soil
% Solids: 80.9

Compound	Result ug/KG	RL ug/KG	Dilution Factor	Date Analyzed
alpha-BHC	BQL	11.5	1	5/3/06
beta-BHC	BQL	11.5	1	5/3/06
delta-BHC	BQL	11.5	1	5/3/06
gamma-BHC (Lindane)	BQL	11.5	1	5/3/06
Heptachlor	BQL	11.5	1	5/3/06
Aldrin	BQL	11.5	1	5/3/06
Heptachlor epoxide	BQL	11.5	1	5/3/06
Endosulfan I	BQL	11.5	1	5/3/06
Dieldrin	BQL	11.5	1	5/3/06
4,4'-DDE	BQL	11.5	1	5/3/06
Endrin	BQL	11.5	1	5/3/06
DDD	BQL	11.5	1	5/3/06
Endosulfan II	BQL	11.5	1	5/3/06
4,4'-DDT	BQL	11.5	1	5/3/06
Methoxychlor	BQL	11.5	1	5/3/06
Toxaphene	BQL	38.4	1	5/3/06
alpha-Chlordane	BQL	11.5	1	5/3/06
gamma-Chlordane	BQL	11.5	1	5/3/06
Endrin aldehyde	BQL	11.5	1	5/3/06
Endosulfan sulfate	BQL	11.5	1	5/3/06
Endrin ketone	BQL	11.5	1	5/3/06

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	88.6	88.6

Comments:
BQL = Below Quantitation Limit

Reviewed By:

8081_LIMS_v2.1

SGS

Results for Oil and Grease

Client Sample ID:	155-1-5	Date Analyzed:	4/26/2006
Client Project ID:	Yancy DOT	Analyzed By:	nio
Lab Sample ID:	G106-594-1U	Date Collected:	4/13/2006 15:55
Lab Project ID:	G106-594	Date Received:	4/19/2006
Matrix:	Soil	Solids:	76.29

Parameter	Method	RL	Result
		MG/KG	MG/KG
Oil & Grease	9071	38.3	BQL

Comments:

BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.35

SGS

Results for Oil and Grease

Client Sample ID:	155-2-5	Date Analyzed:	4/26/2006
Client Project ID:	Yancy DOT	Analyzed By:	nio
Lab Sample ID:	G106-594-2Q	Date Collected:	4/13/2006 16:20
Lab Project ID:	G106-594	Date Received:	4/19/2006
Matrix:	Soil	Solids:	71.46

Parameter	Method	RL	Result
		MG/KG	MG/KG
Oil & Grease	9071	43.7	BQL

Comments:

BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.35

SGS

Results for Oil and Grease

Client Sample ID:	155-3-4	Date Analyzed:	4/26/2006
Client Project ID:	Yancy DOT	Analyzed By:	nio
Lab Sample ID:	G106-594-3S	Date Collected:	4/13/2006 16:35
Lab Project ID:	G106-594	Date Received:	4/19/2006
Matrix:	Soil	Solids:	76.08

Parameter	Method	RL	Result
		MG/KG	MG/KG
Oil & Grease	9071	40.2	**418**

Comments:

BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.35

SGS

Results for Oil and Grease

Client Sample ID:	155-4-4	Date Analyzed:	4/26/2006
Client Project ID:	Yancy DOT	Analyzed By:	nio
Lab Sample ID:	G106-594-4T	Date Collected:	4/13/2006 16:45
Lab Project ID:	G106-594	Date Received:	4/19/2006
Matrix:	Soil	Solids:	80.93

Parameter	Method	RL	Result
		MG/KG	MG/KG
Oil & Grease	9071	37.5	**45**

Comments:

BQL = Below Quantitation Limit
All soils are corrected for percent solids.

Reviewed By: _____
9071_LIMS_v1.35

SGS

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

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

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

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

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

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

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

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

CHAIN OF CUSTODY RECORD
SGS Environmental Services Inc.

Locations Nationwide
• Alaska • Hawaii
• Louisiana • Maryland
• New Jersey • North Carolina
• West Virginia
www.us.sgs.com

056798

(1)
CLIENT: EI, INC.
CONTACT: STERLING TURNER PHONE NO:(804) 397-9613
PROJECT: YANCY DOT SITE/PWSID#: PARCEL 155
REPORTS TO: 5500-E COX RD, GLEN ALLEN, VA 23060
sturner@ei1.com FAX NO.:(804) 320-9302
INVOICE TO: NC DOT QUOTE # R-2519 A
P.O. NUMBER WBS 35609.1.1

SGS Reference: G106-593-594 4/14/06

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C=COMP G=GRAB	Preservatives Used	Analysis Required (3) 8260/8270	TPH GRO/DRO	PP Actms + Mercaptans	Cyanide, reactive sulfide	PCB's/Pest	Oil/Grease	REMARKS
	155-1-5	4/13/06	1555	S	10	G		X	X	X	X	X	X	reactive sulfide on Sterling Turner 4/14/06
	155-2-5		1620											
	155-3-4		1635											
	155-4-4		1645											
	155-BACKGROUND		1655		1					X				

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
	4/18/06	1600	
Relinquished By: (2)	Date	Time	Received By:
	4/19/06	0945	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier:	Samples Received Cold? (Circle) YES NO
Shipping Ticket No:	Temperature °C: 2-9°C
Special Deliverable Requirements:	Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:

5-DAY TAT

200 W. Potter Dr. Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
5500 Business Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
1258 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - ed with Report
Pink ad by Sampler

SGS ENVIRONMENTAL SERVICES INC.

N.C. CERTIFICATION #481