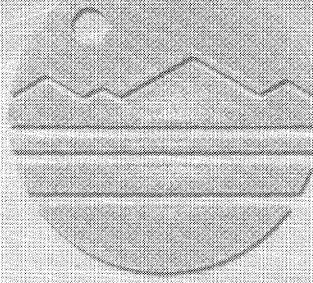


ENVIRONMENTAL



EI

**LIMITED PRELIMINARY SITE ASSESSMENT**

**Parcel 010  
Royster-Clark Agribusiness, Inc.  
3105 North Glenn Avenue  
Winston-Salem, NC 27105**

**WBS Element # 34871.1.1  
TIP # U-2826A  
EI Project No. ENMO050015.00**

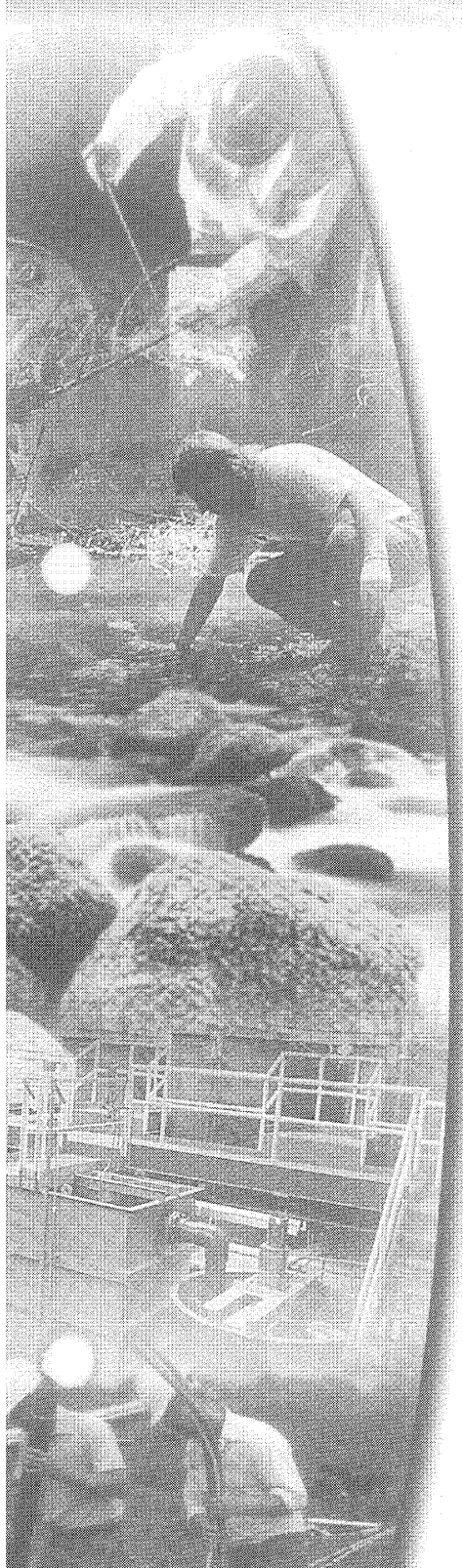
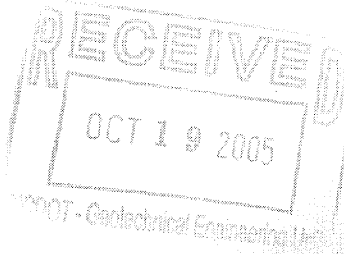
**Prepared For:**

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

**Prepared by:**

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PH (919) 657-7500 FAX (919) 544-2199**

October 19, 2005



**LIMITED PRELIMINARY SITE ASSESSMENT (PSA)**

**Conducted on**

**Parcel 010**

**Royster-Clark Agribusiness, Inc.**

**3105 North Glenn Avenue**

**Winston-Salem, NC 27105**

**NCDOT TIP #U-2826A**

**WBS Element # 34871.1.1**

**EI Project No. ENMO050015.00**

For

Mr. Gregory A. Smith  
State of North Carolina  
Department of Transportation  
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Issue Date: October 19, 2005

Darren R. Lockhart  
Project Manager/Environmental Geologist

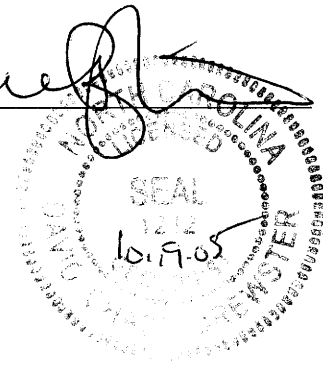
  
Signature

David C. Brewster, P.G.  
Principal Geologist

  
Signature

Prepared By:

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## 1.0 INTRODUCTION

Environmental Investigations, Inc. (EI) conducted a *Limited Preliminary Site Assessment* (PSA) within the proposed North Carolina Department of Transportation (NCDOT) *right-of-way* (ROW) adjacent to a parcel (identified by the NCDOT as Parcel 010) located southwest of the overpass of North Glenn Avenue by US 52, in Winston-Salem, North Carolina.

Royster-Clark Agribusiness, Inc. is currently located on the subject parcel (adjacent to ROW). This report documents the findings of the PSA that was conducted within the described ROW. For purposes of this report, the terms “subject property” and/or “site” include the *existing* NCDOT ROW and the *proposed* ROW, and/or the abutting property/parcel.

### 1.1 Report Organization

Mr. Darren R. Lockhart and Mr. Robert Michael Shaut, Environmental Geologists with EI conducted field activities from mid-August to early September 2005. This report summarizes the scope of work conducted, discusses sampling activities, and presents findings, conclusions and our recommendations. Laboratory analytical data for this assessment are summarized in three (3) tables: “**Table 1 - Summary of Soil Analytical Results for 8 RCRA Metals**”, “**Table 2 - Summary of Soil Analytical Results VOCs, SVOCs, and Pesticides**”, and “**Table 3 - Summary of Soil Analytical Results for TPH**”. A “Site Location Map”, an “Aerial Photograph”, a “Site Map”, and a “Soil Analytical Results Map for Soils – 8 RCRA Metals” are presented in **Figures 1, 2, 3, and 4**, respectively. A compilation of “Site Photographs” are presented in **Appendix A**, “Soil Boring Logs” are presented in **Appendix B**, and copies of the “Laboratory Analytical Report” for soil is included in **Appendix C**.

### 1.2 Background

EI received a “*Request for Technical and Cost Proposal*” (RFP), dated July 7, 2005 signed by Cyrus F. Parker, LG, GeoEnvironmental Project Manager with the NCDOT GeoTechnical Engineering Unit. The RFP solicited a technical and cost proposal to perform PSAs on a total of 10 Parcels located within a NCDOT Highway Project, identified as WBS Element 34871.1.1, TIP # U-2826A, located in Winston-Salem, NC. The RFP outlined site information on each of the 10 parcels 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” dated July 28, 2005.

### 1.3 Objectives

The objective of performing the PSAs was to investigate parcel histories, locate potential underground storage tanks (USTs), and/or potential adverse sources of contamination and determine if these systems or sources have impacted the subsurface within the *existing* and *proposed* ROW.

The study (PSA) conducted on the referenced parcel (Parcel 010 – Royster-Clark Agribusiness, Inc.) was performed with a reasonable effort to investigate and quantify potentially impacted subsurface soils. However, the 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 or provided to 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.

#### **1.4 Site History**

The North Carolina Department of Environment and Natural Resources (NCDENR) maintains environmental records of all known and reported incidents throughout the state of North Carolina. The following summary of the site history was obtained from NCDENR's Division of Waste Management (DWM), Underground Storage Tank Section (UST) and the Division of Water Quality (DWQ), Aquifer Protection Section (APS), located in the Winston-Salem Regional Office (WSRO).

IMC Rainbow, a division of IMC Global Operations, Inc. (IMC), acquired by Royster-Clark Agribusiness (Royster-Clark), currently occupies the subject property. According to a Comprehensive Site Assessment (CSA) report conducted on the subject property in 1995 by RMT, Inc. of Greenville, South Carolina, Royster-Clark has produced nitrogen-phosphate potassium fertilizer at their facility in Winston-Salem, NC since 1948. Reportedly, there have been numerous, inadvertent, releases of acid and 448-nitrogen solution (a mixture of ammonia, ammonium nitrate, and water).

Reportedly, a few tons of oversized product (primarily super phosphate) from an earlier granulation operation that failed, was discarded near the northeast corner of the shop and near the railcar unloading area. In addition, approximately 85 tons of sulfuric acid was accidentally released in 1971. In 1991, approximately 40 tons of 448-nitrogen solution was released from a railcar. Reportedly, these releases discharged into two retention ponds located in the northeastern portion of the subject property where they were neutralized and reclaimed. Groundwater and surface water monitoring activities are ongoing at the Royster-Clark facility to monitor for total metals, ammonia, chloride, nitrate, total phosphorus, sulfate, and radionuclides.

## 2.0 SCOPE OF WORK & ENVIRONMENTAL SERVICES

### 2.1 Requested Scope of Work

Documented in the RFP, dated July 7, 2005, the NCDOT requested the following scope of work:

- Investigate site histories.
- Locate USTs and determine approximate size and contents, if any.
- Determine if contaminated soils are present.
- Investigate all proposed drainage areas on the project.
- If contamination is evident, estimate the quantity of impacted soils and indicate the approximate area of soil contamination on a site map.
- If groundwater is encountered and the project manager suspects the possibility of groundwater contamination, obtain a sample for analysis by converting one of the soil borings to a temporary monitoring well.
- Prepare a set of NCDOT plansheets (11" x 17") as a separate deliverable showing a summary of suspected impacted areas of contamination.
- Prepare a report including field activities, findings, and recommendations for each site and submit and submit to this office in triplicate.

### 2.2 Scope of Services

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

To perform the requested *Limited PSA*, EI personnel visited the site on several occasions to supervise, oversee and/or perform site reconnaissance activities and/or collect appropriate samples to complete the project objectives. To complete the study on the subject parcel, EI performed the following scope of services:

- Supervision, direction and oversight of the advancement of five (5) soil test borings utilizing DPT and four (4) hand-auger soil borings to depths ranging between 1.0 and 30.0 feet below the land surface (bls) across the site.
- Collection and submittal of nine (9) soil samples for laboratory analysis for 8 RCRA metals, volatile and semi-volatile organics, and total petroleum hydrocarbons.
- Photo documentation of pertinent site features.
- Preparation of this *Limited PSA Report* in triplicate format, presenting our findings and conclusions along with our recommendations.



### 3.0 SITE CHARACTERIZATION

#### 3.1 Site Location

The subject property, Royster-Clark Agribusiness, Inc. is addressed at 3105 North Glenn Avenue, Winston-Salem, (Forsyth County), North Carolina (**Figures 1 and 2**). The subject property (Parcels 010) is currently located immediately adjacent to the DOT ROW as identified in DOT's U-2826A Plan Sheets 5,6, and 7. Digital site photographs are presented in **Appendix A**.

#### 3.2 Property Ownership

According to the Forsyth County, NC Tax Office Geo-Data Explorer website, the subject property has a Parcel Identification Number (PIN): 6836-48-3621 and is currently owned by Royster-Clark Agribusiness, Inc. The subject parcel covers a total of 10.68 acres.

#### 3.3 Physical Setting

The subject site operates as a nitrogen-phosphate manufacturer where bulk materials are unloaded, stored, and used inside the plant building. The facility is developed with eight (8) buildings used for office spaces, storage of bulk materials, maintenance shops, and a scale house. The subject property is surfaced by asphalt pavement, gravel, and grassed areas and is surrounded by a chain link fence. See **Figure 3** for pertinent site features.

City municipal water services and natural gas services were observed that supply the parcel via underground utility lines. Utility lines were marked both parallel and perpendicular to North Glenn Avenue. No other underground utility lines were marked in the NCDOT ROW at the time of field activities. Overhead utility lines are currently located along the northwest portion of the parcel that traverses parallel to North Glenn Avenue.

#### 3.4 Site Topography

The subject property is found on the Walkertown Quadrangle published by the United States Geological Survey (USGS) Topographic Quadrangle Map (1980). The subject site is located at an elevation of approximately 995 feet above mean sea level (msl) (**Figure 1**). Topographically, the site slopes gently to the east/southeast. Surface water runoff is shown to flow to the southeast to a confluence with Brushy Fork Creek located approximately 2.2 miles from the site.

### **3.5 Land Use & Surrounding Properties**

The subject property is located inside the city limits of Winston-Salem, NC. Land use in the immediate vicinity of the site is characterized mainly by commercial and industrial properties. Land usage to the north is characterized by vacant/undeveloped land with the Waste Management of Carolinas, Inc. property abutting the subject parcel; to the east by Waste Management, US Highway 52, and then the Atlantic Scrap & Processing facility; and to the south by the Kaba-Ilco site.

## 4.0 SUBSURFACE INVESTIGATION

### 4.1 Subsurface Soils Investigation

Subsurface Environmental Investigations, Inc., based in Statesville, North Carolina, was subcontracted to provide Direct Push Technology (DPT) services. An EI Geologist directed and supervised the advancement of five (5) DPT soil test borings (“P10GP1” through “P10GP5”) and four (4) hand-auger soil test borings (“P10HA6” through “P10HA9”) in the existing and/or proposed DOT ROW for the referenced site.

The soil sampling program was designed in order to evaluate the absence/presence of potential subsurface soil (vadose zone) impact and/or subsurface groundwater impact associated with potential current or historical onsite operations, or offsite impacts. The subsurface soils investigation ranged in depth from 1.0 feet to a depth of 30.0 feet bls. The soil sampling locations are shown on **Figure 3**.

#### 4.1.1 Soil Sample Collection Procedures

Soil samples were collected as grab samples using powder-free nitrile gloves. The soils were placed in laboratory-prepared containers; then, placed in a cooler on ice. Soil samples retained for laboratory analyses were shipped, via overnight courier service (Federal Express) to Paradigm Analytical Laboratory, for laboratory analytical testing.

#### 4.1.2 Backfill Activities

At the completion of the exploratory subsurface advancement activities, the test borings were backfilled to surface grade.

#### 4.1.3 Subsurface Soil Lithology

During boring advancement activities, soil samples were classified in the field by an EI geologist utilizing the Unified Soil Classification System (USCS). Subsurface soils encountered in the area of study were described as follows: orange to tan, fine, sandy, (ML) SILT to approximately eight (8) feet bls, underlain by reddish-brown, saprolitic, silty CLAY (CL), SILT (ML), and silty SAND (SM) to approximately thirty (30) feet bls. Detailed descriptions are presented in Soil Boring Logs included in **Appendix B**. The boring logs include an interpretation of subsurface conditions based on field samples.

## 4.2 Groundwater Investigation

### 4.2.1 Summary of Onsite Groundwater Quality

For the purposes of this *Limited PSA*, existing groundwater quality data was utilized for the groundwater investigation. Groundwater quality data was obtained from a Comprehensive Site Assessment (CSA) conducted on the subject property by RMT, Inc. of Greenville, South Carolina, in March 1995. Reportedly, groundwater samples collected from the Royster-Clark site contained VOCs, metals, and other inorganic constituents at concentrations above NC Groundwater Quality Standards. Many of the constituents detected, VOCs in particular, could not be attributed to source areas at the subject property.

Reportedly, metal and VOC plumes identified at the Royster-Clark facility represent a portion of larger constituent plumes originating upgradient of the subject property. The approximate locations of the groundwater monitoring wells are depicted in **Figure 3**.

## 5.0 LABORATORY TESTING AND RESULTS

### 5.1 Subsurface Soil Analytical Methods

The laboratory analytical methods selected for this *Limited PSA* were based on the history and usage of the subject property, as well as the history and usage of potential offsite sources of impact to the subject property. A total of nine (9) soil samples were submitted for the following laboratory analyses: total petroleum hydrocarbons (TPH) by EPA Method 5030/5035 (gasoline range organics - GRO) and 3550 (diesel range organics - DRO), 8 RCRA Metals by EPA Method 6010B, 7471, VOCs and SVOCs by EPA Method 8260/5035 and 8270, respectively, and/or for pesticides by EPA Method 8081.

### 5.2 Laboratory Analytical Results - Soil

The laboratory analytical results indicated that the four (4) soil samples (“P10HA6-1.0” through “P10HA9-1.0”) that were submitted for metals analysis contained elevated levels of arsenic and mercury. Specifically, total arsenic was detected at a maximum concentration of 12.0 mg/kg with a secondary maximum concentration value of 5.74 mg/kg. Mercury was detected at a maximum concentration of 0.11 mg/kg with a secondary maximum concentration of 0.0437 mg/kg. The results of the analytical testing of the soil samples for 8 RCRA Metals are summarized in **Table 1**.

For comparison purposes, the calculated values (2x’s the arithmetic mean) for the naturally occurring levels of metals were used for the subject property as reported in a “*Limited Preliminary Site Assessment – Parcel 009 Recycling Industries (Atlantic Scrap & Processing, LLC)*”. The background sample data for metals are believed to be comparable for Parcel 010 and thus, are included in **Table 1**. In addition, the metals analyses were tabulated and compared to the Environmental Protection Agency (EPA), Region IX, Preliminary Remediation Guidelines (PRGs); the NC Hazardous Waste Section’s (HWS) Soil Screening Levels (SSLs); and the NC DENR Groundwater (GW) Section Soil Clean-up Levels. The laboratory results and Chain-of-Custody Records for soils are presented in **Appendix C**.

The laboratory analytical results indicated that there were no VOCs, SVOCs, pesticides, and TPHs present in the soil samples collected from *within the proposed DOT ROW*. A summary of the laboratory analytical results for VOCs, SVOCs, and pesticides are presented in **Table 2**. The summary of the analytical testing for TPH analysis is presented in **Table 3**.

### **5.3 Laboratory Analytical Results - Groundwater**

Review of the groundwater analytical data from a CSA conducted at the Royster-Clark site reported that groundwater contained VOCs, metals, and other inorganic constituents at concentrations above 15A NCAC 2L .0202. Reportedly, many of the constituents detected, VOCs in particular, could not be attributed to source areas at the subject property.

Reportedly, metal and VOC plumes identified at the Royster-Clark facility represent a portion of larger constituent plumes originating upgradient of the subject property. A copy of the laboratory analytical report for groundwater is included in **Appendix D**.

## 6.0 SUMMARY OF FINDINGS

EI has reviewed information gathered for the Limited PSA study including site reconnaissance, review of DOT plan sheets, review of former site investigations, review of site investigations including soil, and review of the laboratory analytical report. Compiled below is a summarized list of the significant findings.

- A review of the public record indicated that over the history of the Royster-Clark facility, there have been numerous, inadvertent, releases of acid and 448-nitrogen solution (a mixture of ammonia, ammonium nitrate, and water) at the Royster-Clark facility. Groundwater samples collected from the subject property during previous investigations were reported to contain VOCs, metals, and other inorganic constituents at concentrations above 15A NCAC 2L .0202. Reportedly, many of the constituents detected, VOCs, in particular, could not be attributed to source areas at the subject property. Metal and VOC plumes identified at the subject property represent a portion of larger constituent plumes originating upgradient from the facility. Surface water and groundwater monitoring activities are ongoing at the site.
- Nine (9) soil samples were collected in the *proposed DOT ROW* and submitted for select laboratory analysis for impact from metals, VOCs, SVOCs, TPHs, and pesticides. The laboratory analytical results showed elevated concentrations of total arsenic and mercury within the *proposed DOT ROW*; but no VOCs, SVOCs, and TPHs were present at detectable levels.

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

EI personnel have reviewed information obtained during the *Limited PSA* at the site and present the following conclusions and recommendations.

### Metal-Impacted Soils

The vadose zone *within the proposed* ROW of Parcel 010, appears to have elevated levels of heavy metals including, arsenic, lead, chromium and mercury. Specifically, arsenic and mercury were detected above their respective NC HWS SSLs. Chromium and lead were detected above background concentrations, but below the current state and federal standards. Metal concentrations area shown on **Figure 4**.

### VOC, SVOCs, Pesticides

Based on the laboratory analytical results, the vadose zone at the subject property has not been impacted by VOCs, SVOCs, and pesticides *within the proposed* ROW. Based on the available information, there appears to be no environmental concern with respect to these analytical groups for the vadose zone *within the proposed* ROW.

### TPH-Impacted Soils

Based on the laboratory analytical results, the vadose zone at the subject property has not been impacted by TPHs *within the proposed* ROW. Based on the available information, there appears to be no environmental concern with respect to TPHs for the vadose zone *within the proposed* ROW.

### Groundwater Impact

Based on the existing groundwater quality data obtained from a CSA Report by RMT, Inc. on Parcel 010 and the date of collection for the data, it appears that the groundwater beneath Parcel 010 have been impacted by regulated compounds at levels such that the respective groundwater are *likely* to be impacted above current regulatory standards at this time.

Prior to the NCDOT proceeding with installing drainage piping or cut areas *within the proposed ROW*, planning for the capture and disposal of petroleum-impacted groundwaters in the ROW should be considered. The specifics regarding construction detail for the drainage areas were not available at the time of this project.



Based on the data collected for this *Limited PSA* and the available information, the study area has been impacted by arsenic and mercury; and thus, reportable.

*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 for 8 RCRA Metals**  
 P010-Royster Clark Agribusiness  
 3105 North Glenn Avenue  
 Winston-Salem (Forsyth Co.), NC  
 EI Project No.: ENM0050015.00

8 RCRA Metals 6010B & 7471	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
EPA Region 9 PRGs (mg/kg)	0.39	5400	37	210	400	23	390	390
NC HWS SSLs (mg/kg)	5.24	848	2.72	27.2	270	0.0154	12.2	0.223
NC DENR GW Section Soil Cleanup Levels (mg/kg)	NS	848	NS	27	270	NS	NS	NS
Background Concentrations (mg/kg)	5.75	NA	0	5.76	40.4	0	5.26	0
<b>Laboratory Analysis (mg/kg)</b>								
Sample Identification								
P10GP1-30	NA	NA	NA	NA	NA	NA	NA	NA
P10GP2-28	NA	NA	NA	NA	NA	NA	NA	NA
P10GP3-21	NA	NA	NA	NA	NA	NA	NA	NA
P10GP4-28	NA	NA	NA	NA	NA	NA	NA	NA
P10GP5-30	NA	NA	NA	NA	NA	NA	NA	NA
P10HA6-1.0	12.0	48.9	BQL	5.06	66.2	0.110	BQL	BQL
P10HA7-0.5	4.84	60.2	BQL	10.9	76.9	0.0437	BQL	BQL
P10HA8-0.5	5.71	46.5	BQL	5.77	35.4	0.0366	BQL	BQL
P10HA9-1.0	5.74	49.7	BQL	5.29	41.1	0.0434	BQL	BQL

NS = No Standard; **Bold Font** = Above one or more standards or background concentrations  
 BQL = Below Quantitation Limit  
 PRGs = Prelim. Remediation Goals  
 SSLs = Soil Screening Levels

TABLE 2  
 Summary of Soil Analytical Results  
 VOCs and SVOCs  
 P010-Royster Clark  
 3301 North Glenn Avenue  
 Winston-Salem (Forsyth Co.), NC  
 EI Project No.: ENMO050015.00

Laboratory Analysis	Sample Point Location										Laboratory Analytical Results/ mg/kg																												
	Sample Depth - Feet		Sample Date		Field Screening Results-PID (ppm)		Cleanup Standards (MSCC)		Residential MSCCs (mg/kg)		Industrial/Commercial MSCCs (mg/kg)		Soil-to-GW MSCCs (mg/kg)		P10GP1-30		P10GP2-28		P10GP3-21		P10GP4-28		P10GP5-30		P10HA6-1.0		P10HA7-0.5		P10HA8-0.5		P10HA9-1.0								
	29.5-30.0	8/23/2005	28.0-29.0	8/23/2005	0	0	200	82000	22	3200	200000	40880	0.0056	7	0	0	21.0-21.5	28.0-29.0	28.0-29.0	28.0-29.0	28.0-29.0	28.0-29.0	0	0	0	0	0	0	0	0	0	0							
<b>GCMS 8260/5035</b>																																							
Benzene	940	24000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL						
Toluene	4600	12200	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL						
Ethylbenzene	0.88	8	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL					
Xylene	0.088	0.78	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL					
Isopropylbenzene (Cumene)	0.88	8	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL				
1,2,3-Trichloropropane	469	12264	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL				
n-Propylbenzene	88	780	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL				
1,3,5-Trimethylbenzene	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL				
1,2,4-Trimethylbenzene	62	1635	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
n-Butylbenzene	620	16400	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
Naphthalene	12	110	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL			
Tetrachloroethene	156	4088	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL		
Methyl-tert-butyl Ether																																							
<b>Semi-VOC's GCMS 8270</b>																																							
Acenaphthene	940	24000	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL		
Anthracene	4600	12200	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
Benzo[a]anthracene	0.88	8	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
Benzo[a]pyrene	0.088	0.78	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
Benzo[b]fluoranthene	0.88	8	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
Benzo[g,h,i]perylene	469	12264	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
Benzo[k]fluoranthene	88	780	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
Chrysene	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
Dibenz[a,h]anthracene	62	1635	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
Dibenzofuran	620	16400	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	620	16400	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	0.88	8	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
Indeno[1,2,3-cd]pyrene	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
Phenol	63	1635	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	63	1635	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	620	16400	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	NS	NS	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
bis (2-Ethylhexyl)phthalate	469	12264	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	469	12264	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	469	12264	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

\* = Health-based level > 100% NS = No Standard NA = Not Applicable BQL = Below Quantitation Limit

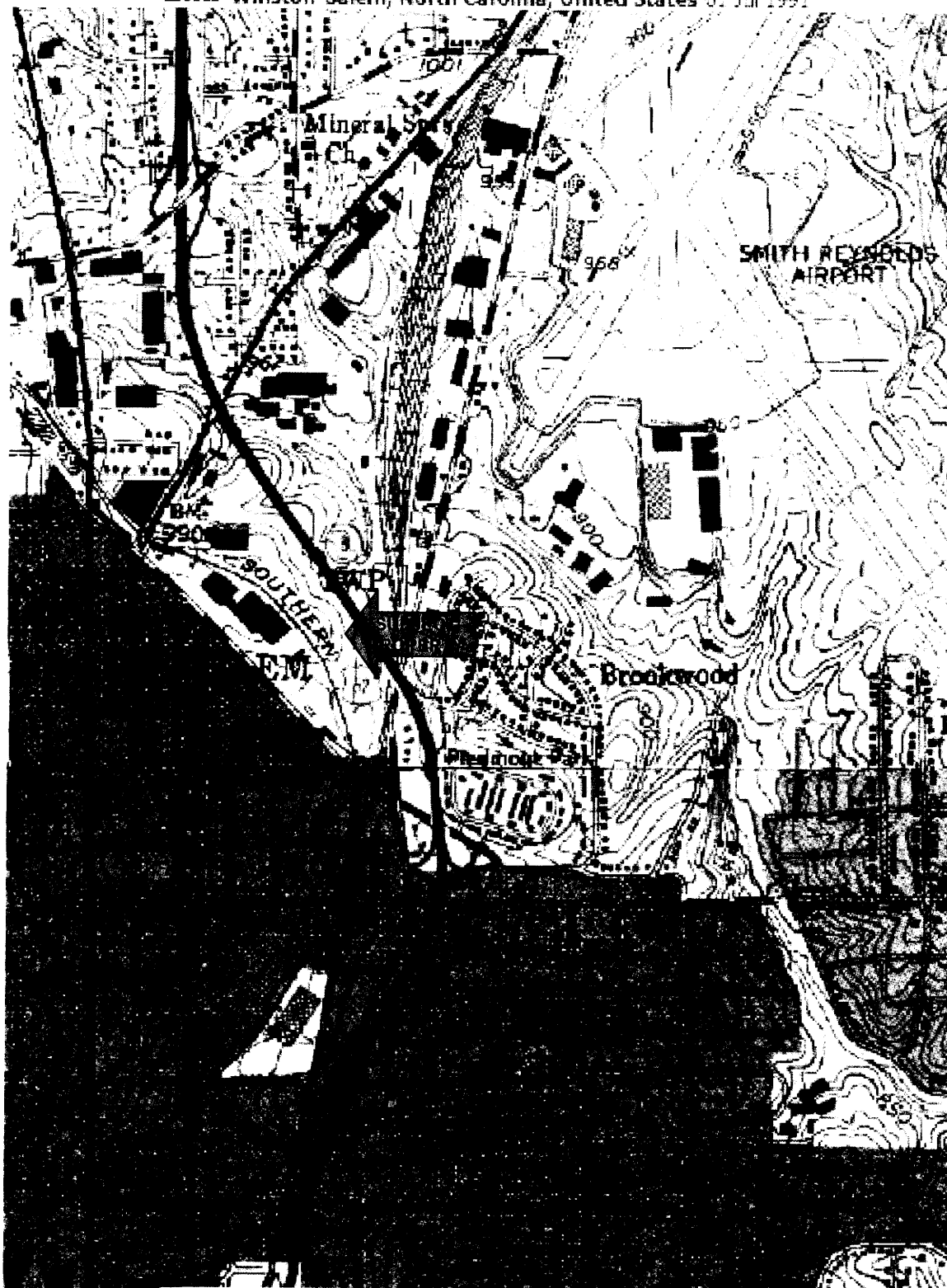
**TABLE 3**  
**SUMMARY OF SOIL ANALYTICAL RESULTS for TPH**  
**P010-Royster Clark**  
**3105 North Glenn Avenue**  
**Winston-Salem (Forsyth Co.), NC**  
**EI Project No.: ENMO050015.00**

Sample Identification	P10GP1-30	P10GP2-28	P10GP3-21	P10GP4-28	P10GP4-28	P10GP4-28	P10HA6-1.0	P10HA7-0.5	P10HA8-0.5	P10HA9-1.0
Sample Depth - Feet	29.5-30.0	28.0-29.0	21.0-21.5	28.0-29.0	28.0-29.0	28.0-29.0	1.0-2.0	0.5-1.5	0.5-1.5	1.0-2.0
Sample Date			8/30/2005				NA	NA	NA	NA
Field Screening Results-PID (ppm)	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	<b>LABORATORY ANALYTICAL RESULTS (mg/kg)</b>									
TPH-GC/PID/FID/8021 GRO	BQL	BQL	BQL	BQL	BQL	BQL	NA	NA	NA	NA
TPH-GC/FID/8015 DRO	BQL	BQL	BQL	BQL	BQL	BQL	NA	NA	NA	NA

notes: BQL - below quantitation limits, NA = not analyzed

**FIGURES**

USGS Winston-Salem, North Carolina, United States 01 Jul 1991



0 0.5 Km 0 0.25 Mi



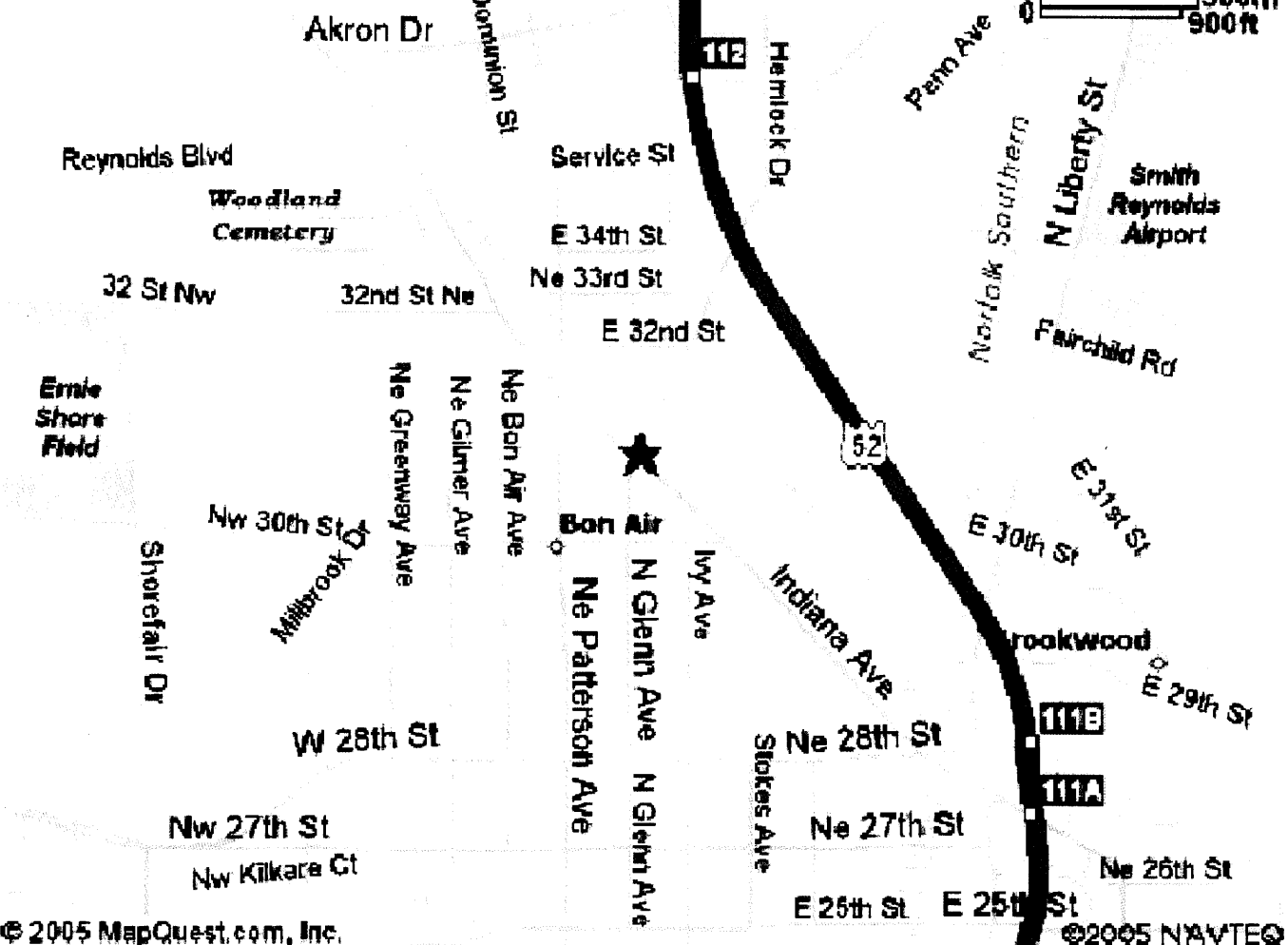
FIGURE NUMBER:	1
QUAD:	1980 Winston-Salem
PROJECT NUMBER:	ENMO050015.00
SCALE:	As Shown

**SITE LOCATION MAP**  
Parcel #10 – Royster-Clark  
Agribusiness, Inc. Property  
3105 North Glenn Avenue  
Winston-Salem, North Carolina



ENVIRONMENTAL INVESTIGATIONS, INC

MAPQUEST



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FIGURE NUMBER:	1A
QUAD:	1980 Winston-Salem
PROJECT NUMBER:	ENMO050015.00
SCALE:	As Shown

**SITE LOCATION MAP**  
 Parcel #10 – Royster-Clark  
 Agribusiness, Inc. Property  
 3105 North Glenn Avenue  
 Winston-Salem, North Carolina

**EI**  
 ENVIRONMENTAL INVESTIGATIONS, INC





0 Feet 622

SCALE 1 : 7468

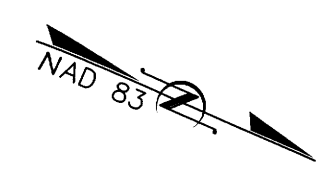


FIGURE NUMBER:	2
QUAD:	1991 Winston-Salem
PROJECT NUMBER:	ENMO050015.00
SCALE:	As Shown

**AERIAL PHOTOGRAPH**  
 Parcel #10—Royster-Clark  
 Agribusiness, Inc. Property  
 3105 North Glenn Avenue  
 Winston-Salem, North Carolina



ENVIRONMENTAL INVESTIGATIONS, INC



- LEGEND:
- building
  - property boundary
  - chain-link fence
  - proposed right-of-way
  - existing right-of-way
  - proposed drainage
  - soil test boring
  - monitoring well

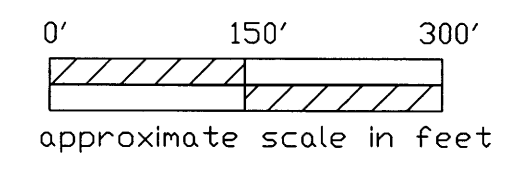
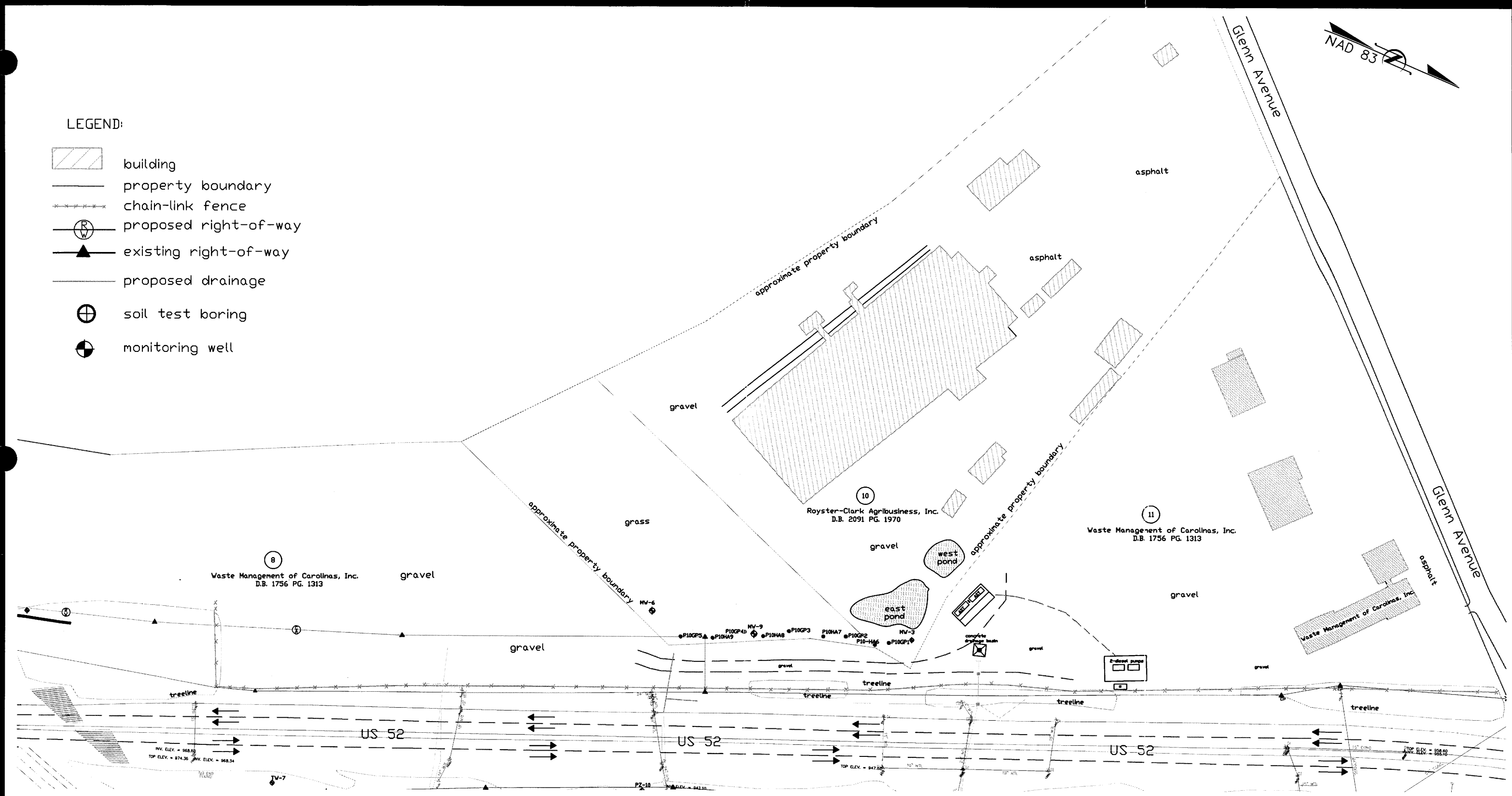
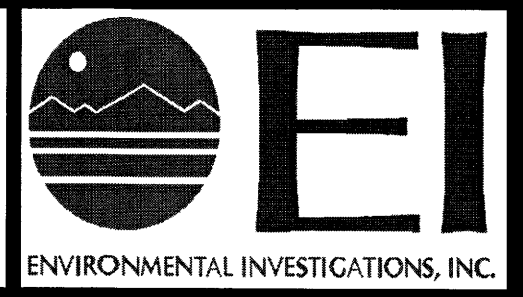


FIGURE NO.:	3
DRN BY:	DOT/DRL
CHK BY:	DCB
DATE:	8/2005
REVISED:	N/A
SCALE:	1" = 150'

**SITE MAP**  
 Parcel 10  
 Royster-Clark Agribusiness, Inc.  
 3105 North Glenn Avenue  
 Winston-Salem, North Carolina



10

Royster-Clark Agribusiness, Inc.  
D.B. 2091 PG. 1970

grass

gravel

west pond

east pond

NOTE: concentrations in mg/kg

As=5.74  
Ba=49.7  
Cr=5.29  
Pb=41.1  
Hg=0.434

As=5.71  
Ba=46.5  
Cr=5.77  
Pb=35.4  
Hg=0.0366

As=4.84  
Ba=60.2  
Cr=10.9  
Pb=76.9  
Hg=0.0437

As=12.0  
Ba=48.9  
Cr=5.06  
Pb=66.2  
Hg=0.11

MW-6

MW-9

MW-3

P10GP5

P10HA9

P10HA8

P10GP3

P10HA7

P10GP2

P10HA6

P10GP1

concrete drainage basin

gravel

gravel

gravel

treeline

treeline

treeline









US 52

TOP ELEV. = 947.68

15" MTL

15" MTL

LEGEND:

-  building
-  property boundary
-  chain-link fence
-  proposed right-of-way
-  existing right-of-way
-  proposed drainage piping
-  soil test boring
-  monitoring well

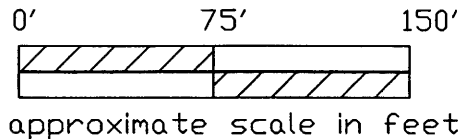


FIGURE NO.:	4
DRN BY:	DOT/DRL
CHK BY:	DCB
DATE:	8/2005
REVISED:	N/A
SCALE:	1" = 75'

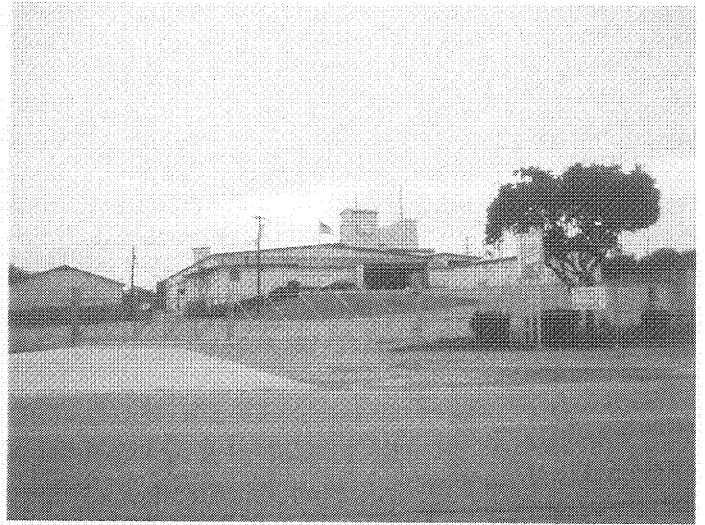
ANALYTICAL RESULTS MAP  
FOR SOILS - SRCRA METALS  
Parcel 10  
Royster-Clark Agribusiness, Inc.  
3105 North Glenn Avenue  
Winston-Salem, North Carolina



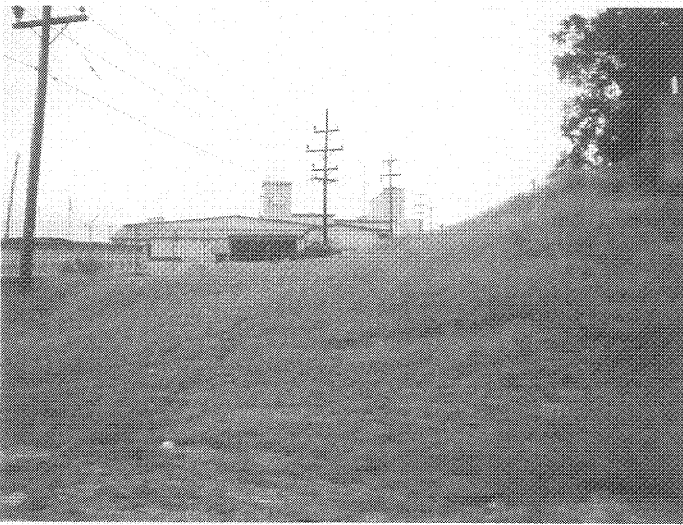
**APPENDIX A**  
**SITE PHOTOGRAPHS**



**Photograph 1: View of subject property.**



**Photograph 2: View of the subject parcel.**



**Photograph 3: View of subject property looking south.**

**APPENDIX B**  
**SOIL BORING LOGS**



**APPENDIX C**

**LABORATORY ANALYTICAL REPORT - SOIL**



**Results for Total Petroleum Hydrocarbons**

by GC/FID 8015

Client Sample ID: P10GP1-30

Analyzed By: DCS

Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A

Date Collected: 8/30/05 10:32

Lab Sample ID: G106-542-1

Date Received: 9/1/05

Lab Project ID: G106-542

Matrix: Soil

Report Basis: Dry Weight

Solids 75.10

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	8.05	5035	1	09/07/05
Diesel Range Organics	BQL	8.17	3545	1	09/08/05

Comments:

Reviewed By:     

TPH\_LIMS\_v1.82.XLS

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

Client Sample ID: P10GP2-28	Analyzed By: DCS
Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A	Date Collected: 8/30/05 10:50
Lab Sample ID: G106-542-2	Date Received: 9/1/05
Lab Project ID: G106-542	Matrix: Soil
Report Basis: Dry Weight	Solids 83.06

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	BQL	6.35	5035	1	09/07/05
Diesel Range Organics	BQL	7.26	3545	1	09/08/05

Comments:

Reviewed By:       
TPH\_LIMS\_v1.82.XLS 3 of 25

**Results for Total Petroleum Hydrocarbons**

by GC/FID 8015

Client Sample ID: P10GP3-21

Analyzed By: DCS

Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A

Date Collected: 8/30/05 11:20

Lab Sample ID: G106-542-3

Date Received: 9/1/05

Lab Project ID: G106-542

Matrix: Soil

Report Basis: Dry Weight

Solids 84.19

<b>Analyte</b>	<b>Result MG/KG</b>	<b>Report Limit MG/KG</b>	<b>Prep Method</b>	<b>Dilution Factor</b>	<b>Date Analyzed</b>
Gasoline Range Organics	BQL	7.76	5035	1	09/07/05
Diesel Range Organics	BQL	7.11	3545	1	09/08/05

Comments:

Reviewed By:     

TPH\_LIMS\_V1 82.XLS

**Results for Total Petroleum Hydrocarbons**

by GC/FID 8015

Client Sample ID: P10GP4-28

Analyzed By: DCS

Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A

Date Collected: 8/30/05 11:40

Lab Sample ID: G106-542-4

Date Received: 9/1/05

Lab Project ID: G106-542

Matrix: Soil

Report Basis: Dry Weight

Solids 75.79

Analyte	Result MG/KG	Report Limit MG/KG	Prep Method	Dilution Factor	Date Analyzed
Diesel Range Organics	BQL	8.16	3545	1	09/08/05

Comments:

Reviewed By:     

TPH\_LIMS\_v1 82 XLS 5 of 25



PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles  
by GCMS 8260-5035

Client Sample ID: P10GP1-30  
Client Project ID: Parcel 10-NC DOT Forsyth Tip#U-2826A  
Lab Sample ID G106-542-1A  
Lab Project ID: G106-542  
Report Basis: Dry Weight

Analyzed By: JTF  
Date Collected: 08-30-2005 10:32  
Date Received: 9/1/2005  
Matrix: Soil  
%Solids: 75.1

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	66.3	1	9/6/2005
Benzene	BQL	6.63	1	9/6/2005
Bromobenzene	BQL	6.63	1	9/6/2005
Bromochloromethane	BQL	6.63	1	9/6/2005
Bromodichloromethane	BQL	6.63	1	9/6/2005
Bromoform	BQL	6.63	1	9/6/2005
Bromomethane	BQL	6.63	1	9/6/2005
2-Butanone	BQL	33.2	1	9/6/2005
n-Butylbenzene	BQL	6.63	1	9/6/2005
sec-Butylbenzene	BQL	6.63	1	9/6/2005
tert-Butylbenzene	BQL	6.63	1	9/6/2005
Carbon disulfide	BQL	6.63	1	9/6/2005
Carbon tetrachloride	BQL	6.63	1	9/6/2005
Chlorobenzene	BQL	6.63	1	9/6/2005
Chloroethane	BQL	6.63	1	9/6/2005
Chloroform	BQL	6.63	1	9/6/2005
Chloromethane	BQL	6.63	1	9/6/2005
2-Chlorotoluene	BQL	6.63	1	9/6/2005
4-Chlorotoluene	BQL	6.63	1	9/6/2005
Dibromochloromethane	BQL	6.63	1	9/6/2005
1,2-Dibromo-3-chloropropane	BQL	6.63	1	9/6/2005
Dibromomethane	BQL	6.63	1	9/6/2005
1,2-Dibromoethane (EDB)	BQL	6.63	1	9/6/2005
1,2-Dichlorobenzene	BQL	6.63	1	9/6/2005
1,3-Dichlorobenzene	BQL	6.63	1	9/6/2005
1,4-Dichlorobenzene	BQL	6.63	1	9/6/2005
trans-1,4-Dichloro-2-butene	BQL	6.63	1	9/6/2005
1,1-Dichloroethane	BQL	6.63	1	9/6/2005
1,1-Dichloroethene	BQL	6.63	1	9/6/2005
1,2-Dichloroethane	BQL	6.63	1	9/6/2005
cis-1,2-Dichloroethene	BQL	6.63	1	9/6/2005
trans-1,2-dichloroethene	BQL	6.63	1	9/6/2005
1,2-Dichloropropane	BQL	6.63	1	9/6/2005
1,3-Dichloropropane	BQL	6.63	1	9/6/2005
2,2-Dichloropropane	BQL	6.63	1	9/6/2005
1,1-Dichloropropene	BQL	6.63	1	9/6/2005
cis-1,3-Dichloropropene	BQL	6.63	1	9/6/2005
trans-1,3-Dichloropropene	BQL	6.63	1	9/6/2005
Dichlorodifluoromethane	BQL	6.63	1	9/6/2005
Diisopropyl ether (DIPE)	BQL	6.63	1	9/6/2005
Ethylbenzene	BQL	6.63	1	9/6/2005
Hexachlorobutadiene	BQL	6.63	1	9/6/2005
2-Hexanone	BQL	6.63	1	9/6/2005
Iodomethane	BQL	6.63	1	9/6/2005

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles  
by GCMS 8260-5035

Client Sample ID: P10GP1-30  
Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A  
Lab Sample ID G106-542-1A  
Lab Project ID: G106-542  
Report Basis: Dry Weight

Analyzed By: JTF  
Date Collected: 08-30-2005 10:32  
Date Received: 9/1/2005  
Matrix: Soil  
%Solids: 75.1

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	6.63	1	9/6/2005
4-Isopropyltoluene	BQL	6.63	1	9/6/2005
Methylene chloride	BQL	26.5	1	9/6/2005
4-Methyl-2-pentanone	BQL	6.63	1	9/6/2005
Methyl-tert-butyl ether (MTBE)	BQL	6.63	1	9/6/2005
Naphthalene	BQL	6.63	1	9/6/2005
n-Propyl benzene	BQL	6.63	1	9/6/2005
Styrene	BQL	6.63	1	9/6/2005
1,1,1,2-Tetrachloroethane	BQL	6.63	1	9/6/2005
1,1,2,2-Tetrachloroethane	BQL	6.63	1	9/6/2005
Tetrachloroethene	BQL	6.63	1	9/6/2005
Toluene	BQL	6.63	1	9/6/2005
1,2,3-Trichlorobenzene	BQL	6.63	1	9/6/2005
1,2,4-Trichlorobenzene	BQL	6.63	1	9/6/2005
Trichloroethene	BQL	6.63	1	9/6/2005
1,1,1-Trichloroethane	BQL	6.63	1	9/6/2005
1,1,2-Trichloroethane	BQL	6.63	1	9/6/2005
Trichlorofluoromethane	BQL	6.63	1	9/6/2005
1,2,3-Trichloropropane	BQL	6.63	1	9/6/2005
1,2,4-Trimethylbenzene	BQL	6.63	1	9/6/2005
1,3,5-Trimethylbenzene	BQL	6.63	1	9/6/2005
Vinyl chloride	BQL	6.63	1	9/6/2005
m-,p-Xylene	BQL	13.3	1	9/6/2005
o-Xylene	BQL	6.63	1	9/6/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	50.6	101
1,2-Dichloroethane-d4	50	54	108
Toluene-d8	50	51.9	104

Comments:

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

**Results for Volatiles  
by GCMS 8260-5035**

Client Sample ID: P10GP2-28  
 Client Project ID: Parcel 10-NC DOT Forsyth Tip#U-2826A  
 Lab Sample ID G106-542-2A  
 Lab Project ID: G106-542  
 Report Basis: Dry Weight

Analyzed By: JTF  
 Date Collected: 08-30-2005 10:50  
 Date Received: 9/1/2005  
 Matrix: Soil  
 %Solids: 83.1

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	50.5	1	9/6/2005
Benzene	BQL	5.05	1	9/6/2005
Bromobenzene	BQL	5.05	1	9/6/2005
Bromochloromethane	BQL	5.05	1	9/6/2005
Bromodichloromethane	BQL	5.05	1	9/6/2005
Bromoform	BQL	5.05	1	9/6/2005
Bromomethane	BQL	5.05	1	9/6/2005
2-Butanone	BQL	25.3	1	9/6/2005
n-Butylbenzene	BQL	5.05	1	9/6/2005
sec-Butylbenzene	BQL	5.05	1	9/6/2005
tert-Butylbenzene	BQL	5.05	1	9/6/2005
Carbon disulfide	BQL	5.05	1	9/6/2005
Carbon tetrachloride	BQL	5.05	1	9/6/2005
Chlorobenzene	BQL	5.05	1	9/6/2005
Chloroethane	BQL	5.05	1	9/6/2005
Chloroform	BQL	5.05	1	9/6/2005
Chloromethane	BQL	5.05	1	9/6/2005
2-Chlorotoluene	BQL	5.05	1	9/6/2005
4-Chlorotoluene	BQL	5.05	1	9/6/2005
Dibromochloromethane	BQL	5.05	1	9/6/2005
1,2-Dibromo-3-chloropropane	BQL	5.05	1	9/6/2005
Dibromomethane	BQL	5.05	1	9/6/2005
1,2-Dibromoethane (EDB)	BQL	5.05	1	9/6/2005
1,2-Dichlorobenzene	BQL	5.05	1	9/6/2005
1,3-Dichlorobenzene	BQL	5.05	1	9/6/2005
1,4-Dichlorobenzene	BQL	5.05	1	9/6/2005
trans-1,4-Dichloro-2-butene	BQL	5.05	1	9/6/2005
1,1-Dichloroethane	BQL	5.05	1	9/6/2005
1,1-Dichloroethene	BQL	5.05	1	9/6/2005
1,2-Dichloroethane	BQL	5.05	1	9/6/2005
cis-1,2-Dichloroethene	BQL	5.05	1	9/6/2005
trans-1,2-dichloroethene	BQL	5.05	1	9/6/2005
1,2-Dichloropropane	BQL	5.05	1	9/6/2005
1,3-Dichloropropane	BQL	5.05	1	9/6/2005
2,2-Dichloropropane	BQL	5.05	1	9/6/2005
1,1-Dichloropropene	BQL	5.05	1	9/6/2005
cis-1,3-Dichloropropene	BQL	5.05	1	9/6/2005
trans-1,3-Dichloropropene	BQL	5.05	1	9/6/2005
Dichlorodifluoromethane	BQL	5.05	1	9/6/2005
Diisopropyl ether (DIPE)	BQL	5.05	1	9/6/2005
Ethylbenzene	BQL	5.05	1	9/6/2005
Hexachlorobutadiene	BQL	5.05	1	9/6/2005
2-Hexanone	BQL	5.05	1	9/6/2005
Iodomethane	BQL	5.05	1	9/6/2005



PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles  
by GCMS 8260-5035

Client Sample ID: P10GP2-28  
Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A  
Lab Sample ID G106-542-2A  
Lab Project ID: G106-542  
Report Basis: Dry Weight

Analyzed By: JTF  
Date Collected: 08-30-2005 10:50  
Date Received: 9/1/2005  
Matrix: Soil  
%Solids: 83.1

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	5.05	1	9/6/2005
4-Isopropyltoluene	BQL	5.05	1	9/6/2005
Methylene chloride	BQL	20.2	1	9/6/2005
4-Methyl-2-pentanone	BQL	5.05	1	9/6/2005
Methyl-tert-butyl ether (MTBE)	BQL	5.05	1	9/6/2005
Naphthalene	BQL	5.05	1	9/6/2005
n-Propyl benzene	BQL	5.05	1	9/6/2005
Styrene	BQL	5.05	1	9/6/2005
1,1,1,2-Tetrachloroethane	BQL	5.05	1	9/6/2005
1,1,2,2-Tetrachloroethane	BQL	5.05	1	9/6/2005
Tetrachloroethene	BQL	5.05	1	9/6/2005
Toluene	BQL	5.05	1	9/6/2005
1,2,3-Trichlorobenzene	BQL	5.05	1	9/6/2005
1,2,4-Trichlorobenzene	BQL	5.05	1	9/6/2005
Trichloroethene	BQL	5.05	1	9/6/2005
1,1,1-Trichloroethane	BQL	5.05	1	9/6/2005
1,1,2-Trichloroethane	BQL	5.05	1	9/6/2005
Trichlorofluoromethane	BQL	5.05	1	9/6/2005
1,2,3-Trichloropropane	BQL	5.05	1	9/6/2005
1,2,4-Trimethylbenzene	BQL	5.05	1	9/6/2005
1,3,5-Trimethylbenzene	BQL	5.05	1	9/6/2005
Vinyl chloride	BQL	5.05	1	9/6/2005
m-,p-Xylene	BQL	10.1	1	9/6/2005
o-Xylene	BQL	5.05	1	9/6/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	49.9	100
1,2-Dichloroethane-d4	50	53.8	108
Toluene-d8	50	51.3	103

Comments:

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles  
by GCMS 8260-5035

Client Sample ID: P10GP3-21  
Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A  
Lab Sample ID G106-542-3A  
Lab Project ID: G106-542  
Report Basis: Dry Weight

Analyzed By: JTF  
Date Collected: 08-30-2005 11:20  
Date Received: 9/1/2005  
Matrix: Soil  
%Solids: 84.2

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	55.2	1	9/6/2005
Benzene	BQL	5.52	1	9/6/2005
Bromobenzene	BQL	5.52	1	9/6/2005
Bromochloromethane	BQL	5.52	1	9/6/2005
Bromodichloromethane	BQL	5.52	1	9/6/2005
Bromoform	BQL	5.52	1	9/6/2005
Bromomethane	BQL	5.52	1	9/6/2005
2-Butanone	BQL	27.6	1	9/6/2005
n-Butylbenzene	BQL	5.52	1	9/6/2005
sec-Butylbenzene	BQL	5.52	1	9/6/2005
tert-Butylbenzene	BQL	5.52	1	9/6/2005
Carbon disulfide	BQL	5.52	1	9/6/2005
Carbon tetrachloride	BQL	5.52	1	9/6/2005
Chlorobenzene	BQL	5.52	1	9/6/2005
Chloroethane	BQL	5.52	1	9/6/2005
Chloroform	BQL	5.52	1	9/6/2005
Chloromethane	BQL	5.52	1	9/6/2005
2-Chlorotoluene	BQL	5.52	1	9/6/2005
4-Chlorotoluene	BQL	5.52	1	9/6/2005
Dibromochloromethane	BQL	5.52	1	9/6/2005
1,2-Dibromo-3-chloropropane	BQL	5.52	1	9/6/2005
Dibromomethane	BQL	5.52	1	9/6/2005
1,2-Dibromoethane (EDB)	BQL	5.52	1	9/6/2005
1,2-Dichlorobenzene	BQL	5.52	1	9/6/2005
1,3-Dichlorobenzene	BQL	5.52	1	9/6/2005
1,4-Dichlorobenzene	BQL	5.52	1	9/6/2005
trans-1,4-Dichloro-2-butene	BQL	5.52	1	9/6/2005
1,1-Dichloroethane	BQL	5.52	1	9/6/2005
1,1-Dichloroethene	BQL	5.52	1	9/6/2005
1,2-Dichloroethane	BQL	5.52	1	9/6/2005
cis-1,2-Dichloroethene	BQL	5.52	1	9/6/2005
trans-1,2-dichloroethene	BQL	5.52	1	9/6/2005
1,2-Dichloropropane	BQL	5.52	1	9/6/2005
1,3-Dichloropropane	BQL	5.52	1	9/6/2005
2,2-Dichloropropane	BQL	5.52	1	9/6/2005
1,1-Dichloropropene	BQL	5.52	1	9/6/2005
cis-1,3-Dichloropropene	BQL	5.52	1	9/6/2005
trans-1,3-Dichloropropene	BQL	5.52	1	9/6/2005
Dichlorodifluoromethane	BQL	5.52	1	9/6/2005
Diisopropyl ether (DIPE)	BQL	5.52	1	9/6/2005
Ethylbenzene	BQL	5.52	1	9/6/2005
Hexachlorobutadiene	BQL	5.52	1	9/6/2005
2-Hexanone	BQL	5.52	1	9/6/2005
Iodomethane	BQL	5.52	1	9/6/2005

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles  
by GCMS 8260-5035

Client Sample ID: P10GP3-21  
Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A  
Lab Sample ID G106-542-3A  
Lab Project ID: G106-542  
Report Basis: Dry Weight

Analyzed By: JTF  
Date Collected: 08-30-2005 11:20  
Date Received: 9/1/2005  
Matrix: Soil  
%Solids: 84.2

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	5.52	1	9/6/2005
4-Isopropyltoluene	BQL	5.52	1	9/6/2005
Methylene chloride	BQL	22.1	1	9/6/2005
4-Methyl-2-pentanone	BQL	5.52	1	9/6/2005
Methyl-tert-butyl ether (MTBE)	BQL	5.52	1	9/6/2005
Naphthalene	BQL	5.52	1	9/6/2005
n-Propyl benzene	BQL	5.52	1	9/6/2005
Styrene	BQL	5.52	1	9/6/2005
1,1,1,2-Tetrachloroethane	BQL	5.52	1	9/6/2005
1,1,2,2-Tetrachloroethane	BQL	5.52	1	9/6/2005
Tetrachloroethene	BQL	5.52	1	9/6/2005
Toluene	BQL	5.52	1	9/6/2005
1,2,3-Trichlorobenzene	BQL	5.52	1	9/6/2005
1,2,4-Trichlorobenzene	BQL	5.52	1	9/6/2005
Trichloroethene	BQL	5.52	1	9/6/2005
1,1,1-Trichloroethane	BQL	5.52	1	9/6/2005
1,1,2-Trichloroethane	BQL	5.52	1	9/6/2005
Trichlorofluoromethane	BQL	5.52	1	9/6/2005
1,2,3-Trichloropropane	BQL	5.52	1	9/6/2005
1,2,4-Trimethylbenzene	BQL	5.52	1	9/6/2005
1,3,5-Trimethylbenzene	BQL	5.52	1	9/6/2005
Vinyl chloride	BQL	5.52	1	9/6/2005
m-,p-Xylene	BQL	11.0	1	9/6/2005
o-Xylene	BQL	5.52	1	9/6/2005

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	52.6	105
1,2-Dichloroethane-d4	50	57.4	115
Toluene-d8	50	50.8	102

Comments:

Flags:

BQL = Below Quantitation Limits.

Reviewed By: JTF

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles  
by GCMS 8270

Client Sample ID: P10GP1-30  
Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A  
Lab Sample ID: G106-542-1H  
Lab Project ID: G106-542  
Report Basis: Dry weight

Analyzed By: MRC  
Date Collected: 8/30/2005 10:32  
Date Received: 9/1/2005  
Date Extracted: 9/2/2005  
Matrix: Soil  
% Solids: 75.1

Compound	Result ug/Kg	Quantitation Limit ug/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	394	1	9/7/2005
Acenaphthylene	BQL	394	1	9/7/2005
Anthracene	BQL	394	1	9/7/2005
Benzo[a]anthracene	BQL	394	1	9/7/2005
Benzo[a]pyrene	BQL	394	1	9/7/2005
Benzo[b]fluoranthene	BQL	394	1	9/7/2005
Benzo[g,h,i]perylene	BQL	394	1	9/7/2005
Benzo[k]fluoranthene	BQL	394	1	9/7/2005
Benzoic Acid	BQL	787	1	9/7/2005
Bis(2-chloroethoxy)methane	BQL	394	1	9/7/2005
Bis(2-chloroethyl)ether	BQL	394	1	9/7/2005
Bis(2-chloroisopropyl)ether	BQL	394	1	9/7/2005
Bis(2-ethylhexyl)phthalate	BQL	394	1	9/7/2005
4-bromophenyl phenyl ether	BQL	394	1	9/7/2005
Butylbenzylphthalate	BQL	394	1	9/7/2005
2-Chloronaphthalene	BQL	394	1	9/7/2005
2-Chlorophenol	BQL	394	1	9/7/2005
4-Chloro-3-methylphenol	BQL	394	1	9/7/2005
4-Chloroaniline	BQL	1970	1	9/7/2005
4-Chlorophenyl phenyl ether	BQL	394	1	9/7/2005
Chrysene	BQL	394	1	9/7/2005
Dibenzo[a,h]anthracene	BQL	394	1	9/7/2005
Dibenzofuran	BQL	394	1	9/7/2005
Di-n-Butylphthalate	BQL	394	1	9/7/2005
1,2-Dichlorobenzene	BQL	394	1	9/7/2005
1,3-Dichlorobenzene	BQL	394	1	9/7/2005
1,4-Dichlorobenzene	BQL	394	1	9/7/2005
3,3'-Dichlorobenzidine	BQL	787	1	9/7/2005
2,4-Dichlorophenol	BQL	394	1	9/7/2005
Diethylphthalate	BQL	394	1	9/7/2005
Dimethylphthalate	BQL	394	1	9/7/2005
2,4-Dimethylphenol	BQL	394	1	9/7/2005
Di-n-octylphthalate	BQL	394	1	9/7/2005
4,6-Dinitro-2-methylphenol	BQL	1970	1	9/7/2005
2,4-Dinitrophenol	BQL	1970	1	9/7/2005
2,4-Dinitrotoluene	BQL	394	1	9/7/2005
2,6-Dinitrotoluene	BQL	394	1	9/7/2005
Diphenylamine *	BQL	394	1	9/7/2005
Fluoranthene	BQL	394	1	9/7/2005
Fluorene	BQL	394	1	9/7/2005
Hexachlorobenzene	BQL	394	1	9/7/2005
Hexachlorobutadiene	BQL	394	1	9/7/2005

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles  
by GCMS 8270

Client Sample ID: P10GP1-30  
 Client Project ID: Parcel 10-NC DOT Forsyth Tip#U-2826A  
 Lab Sample ID: G106-542-1H  
 Lab Project ID: G106-542  
 Report Basis: Dry weight

Analyzed By: MRC  
 Date Collected: 8/30/2005 10:32  
 Date Received: 9/1/2005  
 Date Extracted: 9/2/2005  
 Matrix: Soil  
 % Solids: 75.1

Compound	Result ug/Kg	Quantitation Limit ug/Kg	Dilution Factor	Date Analyzed
Hexachlorocyclopentadiene	BQL	787	1	9/7/2005
Hexachloroethane	BQL	394	1	9/7/2005
Indeno(1,2,3-c,d)pyrene	BQL	394	1	9/7/2005
Isophorone	BQL	394	1	9/7/2005
2-Methylnaphthalene	BQL	394	1	9/7/2005
2-Methylphenol	BQL	394	1	9/7/2005
3- & 4-Methylphenol	BQL	394	1	9/7/2005
Naphthalene	BQL	394	1	9/7/2005
2-Nitroaniline	BQL	394	1	9/7/2005
3-Nitroaniline	BQL	1970	1	9/7/2005
4-Nitroaniline	BQL	1970	1	9/7/2005
Nitrobenzene	BQL	394	1	9/7/2005
2-Nitrophenol	BQL	394	1	9/7/2005
4-Nitrophenol	BQL	1970	1	9/7/2005
N-Nitrosodi-n-propylamine	BQL	394	1	9/7/2005
Pentachlorophenol	BQL	1970	1	9/7/2005
Phenanthrene	BQL	394	1	9/7/2005
Phenol	BQL	394	1	9/7/2005
Pyrene	BQL	394	1	9/7/2005
1,2,4-Trichlorobenzene	BQL	394	1	9/7/2005
2,4,5-Trichlorophenol	BQL	394	1	9/7/2005
2,4,6-Trichlorophenol	BQL	394	1	9/7/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
2-Fluorophenol	10	10.4	104
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	9.6	96
2,4,6-Tribromophenol	10	6.1	61
4-Terphenyl-d14	10	10.5	105

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles  
by GCMS 8270

Client Sample ID: P10GP2-28  
Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A  
Lab Sample ID: G106-542-2H  
Lab Project ID: G106-542  
Report Basis: Dry weight

Analyzed By: MRC  
Date Collected: 8/30/2005 10:50  
Date Received: 9/1/2005  
Date Extracted: 9/2/2005  
Matrix: Soil  
% Solids: 83.06

Compound	Result ug/Kg	Quantitation Limit ug/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	361	1	9/7/2005
Acenaphthylene	BQL	361	1	9/7/2005
Anthracene	BQL	361	1	9/7/2005
Benzo[a]anthracene	BQL	361	1	9/7/2005
Benzo[a]pyrene	BQL	361	1	9/7/2005
Benzo[b]fluoranthene	BQL	361	1	9/7/2005
Benzo[g,h,i]perylene	BQL	361	1	9/7/2005
Benzo[k]fluoranthene	BQL	361	1	9/7/2005
Benzoic Acid	BQL	722	1	9/7/2005
Bis(2-chloroethoxy)methane	BQL	361	1	9/7/2005
Bis(2-chloroethyl)ether	BQL	361	1	9/7/2005
Bis(2-chloroisopropyl)ether	BQL	361	1	9/7/2005
Bis(2-ethylhexyl)phthalate	BQL	361	1	9/7/2005
4-bromophenyl phenyl ether	BQL	361	1	9/7/2005
Butylbenzylphthalate	BQL	361	1	9/7/2005
2-Chloronaphthalene	BQL	361	1	9/7/2005
2-Chlorophenol	BQL	361	1	9/7/2005
4-Chloro-3-methylphenol	BQL	361	1	9/7/2005
4-Chloroaniline	BQL	1810	1	9/7/2005
4-Chlorophenyl phenyl ether	BQL	361	1	9/7/2005
Chrysene	BQL	361	1	9/7/2005
Dibenzo[a,h]anthracene	BQL	361	1	9/7/2005
Dibenzofuran	BQL	361	1	9/7/2005
Di-n-Butylphthalate	BQL	361	1	9/7/2005
1,2-Dichlorobenzene	BQL	361	1	9/7/2005
1,3-Dichlorobenzene	BQL	361	1	9/7/2005
1,4-Dichlorobenzene	BQL	361	1	9/7/2005
3,3'-Dichlorobenzidine	BQL	722	1	9/7/2005
2,4-Dichlorophenol	BQL	361	1	9/7/2005
Diethylphthalate	BQL	361	1	9/7/2005
Dimethylphthalate	BQL	361	1	9/7/2005
2,4-Dimethylphenol	BQL	361	1	9/7/2005
Di-n-octylphthalate	BQL	361	1	9/7/2005
4,6-Dinitro-2-methylphenol	BQL	1810	1	9/7/2005
2,4-Dinitrophenol	BQL	1810	1	9/7/2005
2,4-Dinitrotoluene	BQL	361	1	9/7/2005
2,6-Dinitrotoluene	BQL	361	1	9/7/2005
Diphenylamine *	BQL	361	1	9/7/2005
Fluoranthene	BQL	361	1	9/7/2005
Fluorene	BQL	361	1	9/7/2005
Hexachlorobenzene	BQL	361	1	9/7/2005
Hexachlorobutadiene	BQL	361	1	9/7/2005

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles  
by GCMS 8270

Client Sample ID: P10GP2-28  
 Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A  
 Lab Sample ID: G106-542-2H  
 Lab Project ID: G106-542  
 Report Basis: Dry weight

Analyzed By: MRC  
 Date Collected: 8/30/2005 10:50  
 Date Received: 9/1/2005  
 Date Extracted: 9/2/2005  
 Matrix: Soil  
 % Solids: 83.06

Compound	Result ug/Kg	Quantitation Limit ug/Kg	Dilution Factor	Date Analyzed
Hexachlorocyclopentadiene	BQL	722	1	9/7/2005
Hexachloroethane	BQL	361	1	9/7/2005
Indeno(1,2,3-c,d)pyrene	BQL	361	1	9/7/2005
Isophorone	BQL	361	1	9/7/2005
2-Methylnaphthalene	BQL	361	1	9/7/2005
2-Methylphenol	BQL	361	1	9/7/2005
3- & 4-Methylphenol	BQL	361	1	9/7/2005
Naphthalene	BQL	361	1	9/7/2005
2-Nitroaniline	BQL	361	1	9/7/2005
3-Nitroaniline	BQL	1810	1	9/7/2005
4-Nitroaniline	BQL	1810	1	9/7/2005
Nitrobenzene	BQL	361	1	9/7/2005
2-Nitrophenol	BQL	361	1	9/7/2005
4-Nitrophenol	BQL	1810	1	9/7/2005
N-Nitrosodi-n-propylamine	BQL	361	1	9/7/2005
Pentachlorophenol	BQL	1810	1	9/7/2005
Phenanthrene	BQL	361	1	9/7/2005
Phenol	BQL	361	1	9/7/2005
Pyrene	BQL	361	1	9/7/2005
1,2,4-Trichlorobenzene	BQL	361	1	9/7/2005
2,4,5-Trichlorophenol	BQL	361	1	9/7/2005
2,4,6-Trichlorophenol	BQL	361	1	9/7/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	9.9	99
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	9.3	93
2,4,6-Tribromophenol	10	5.2	52
4-Terphenyl-d14	10	11	110

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles  
by GCMS 8270

Client Sample ID: P10GP3-21  
Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A  
Lab Sample ID: G106-542-3H  
Lab Project ID: G106-542  
Report Basis: Dry weight

Analyzed By: MRC  
Date Collected: 8/30/2005 11:20  
Date Received: 9/1/2005  
Date Extracted: 9/2/2005  
Matrix: Soil  
% Solids: 84.19

Compound	Result ug/Kg	Quantitation Limit ug/Kg	Dilution Factor	Date Analyzed
Acenaphthene	BQL	352	1	9/7/2005
Acenaphthylene	BQL	352	1	9/7/2005
Anthracene	BQL	352	1	9/7/2005
Benzo[a]anthracene	BQL	352	1	9/7/2005
Benzo[a]pyrene	BQL	352	1	9/7/2005
Benzo[b]fluoranthene	BQL	352	1	9/7/2005
Benzo[g,h,i]perylene	BQL	352	1	9/7/2005
Benzo[k]fluoranthene	BQL	352	1	9/7/2005
Benzoic Acid	BQL	704	1	9/7/2005
Bis(2-chloroethoxy)methane	BQL	352	1	9/7/2005
Bis(2-chloroethyl)ether	BQL	352	1	9/7/2005
Bis(2-chloroisopropyl)ether	BQL	352	1	9/7/2005
Bis(2-ethylhexyl)phthalate	BQL	352	1	9/7/2005
4-bromophenyl phenyl ether	BQL	352	1	9/7/2005
Butylbenzylphthalate	BQL	352	1	9/7/2005
2-Chloronaphthalene	BQL	352	1	9/7/2005
2-Chlorophenol	BQL	352	1	9/7/2005
4-Chloro-3-methylphenol	BQL	352	1	9/7/2005
4-Chloroaniline	BQL	1760	1	9/7/2005
4-Chlorophenyl phenyl ether	BQL	352	1	9/7/2005
Chrysene	BQL	352	1	9/7/2005
Dibenzo[a,h]anthracene	BQL	352	1	9/7/2005
Dibenzofuran	BQL	352	1	9/7/2005
Di-n-Butylphthalate	BQL	352	1	9/7/2005
1,2-Dichlorobenzene	BQL	352	1	9/7/2005
1,3-Dichlorobenzene	BQL	352	1	9/7/2005
1,4-Dichlorobenzene	BQL	352	1	9/7/2005
3,3'-Dichlorobenzidine	BQL	704	1	9/7/2005
2,4-Dichlorophenol	BQL	352	1	9/7/2005
Diethylphthalate	BQL	352	1	9/7/2005
Dimethylphthalate	BQL	352	1	9/7/2005
2,4-Dimethylphenol	BQL	352	1	9/7/2005
Di-n-octylphthalate	BQL	352	1	9/7/2005
4,6-Dinitro-2-methylphenol	BQL	1760	1	9/7/2005
2,4-Dinitrophenol	BQL	1760	1	9/7/2005
2,4-Dinitrotoluene	BQL	352	1	9/7/2005
2,6-Dinitrotoluene	BQL	352	1	9/7/2005
Diphenylamine *	BQL	352	1	9/7/2005
Fluoranthene	BQL	352	1	9/7/2005
Fluorene	BQL	352	1	9/7/2005
Hexachlorobenzene	BQL	352	1	9/7/2005
Hexachlorobutadiene	BQL	352	1	9/7/2005



PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles  
by GCMS 8270

Client Sample ID: P10GP3-21  
Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A  
Lab Sample ID: G106-542-3H  
Lab Project ID: G106-542  
Report Basis: Dry weight

Analyzed By: MRC  
Date Collected: 8/30/2005 11:20  
Date Received: 9/1/2005  
Date Extracted: 9/2/2005  
Matrix: Soil  
% Solids: 84.19

Compound	Result ug/Kg	Quantitation Limit ug/Kg	Dilution Factor	Date Analyzed
Hexachlorocyclopentadiene	BQL	704	1	9/7/2005
Hexachloroethane	BQL	352	1	9/7/2005
Indeno(1,2,3-c,d)pyrene	BQL	352	1	9/7/2005
Isophorone	BQL	352	1	9/7/2005
2-Methylnaphthalene	BQL	352	1	9/7/2005
2-Methylphenol	BQL	352	1	9/7/2005
3- & 4-Methylphenol	BQL	352	1	9/7/2005
Naphthalene	BQL	352	1	9/7/2005
2-Nitroaniline	BQL	352	1	9/7/2005
3-Nitroaniline	BQL	1760	1	9/7/2005
4-Nitroaniline	BQL	1760	1	9/7/2005
Nitrobenzene	BQL	352	1	9/7/2005
2-Nitrophenol	BQL	352	1	9/7/2005
4-Nitrophenol	BQL	1760	1	9/7/2005
N-Nitrosodi-n-propylamine	BQL	352	1	9/7/2005
Pentachlorophenol	BQL	1760	1	9/7/2005
Phenanthrene	BQL	352	1	9/7/2005
Phenol	BQL	352	1	9/7/2005
Pyrene	BQL	352	1	9/7/2005
1,2,4-Trichlorobenzene	BQL	352	1	9/7/2005
2,4,5-Trichlorophenol	BQL	352	1	9/7/2005
2,4,6-Trichlorophenol	BQL	352	1	9/7/2005

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
2-Fluorophenol	10	10.4	104
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	9.7	97
2,4,6-Tribromophenol	10	5.7	57
4-Terphenyl-d14	10	12.3	123

Comments:

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

Flags:

BQL = Below Quantitation Limits.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Pesticides  
by EPA 8081

Client Sample ID: P10GP1-30 Analyzed By: CLP  
 Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A Date Collected: 8/30/05 10:32  
 Lab Sample ID: G106-542-1K Date Received: 9/1/05  
 Lab Project ID: G106-542 Date Extracted: 9/7/05  
 Sample Wt/Vol: 32.19 g ColumnID: STX\_CLPest Matrix: Soil  
 Report Basis: Dry Weight % Solids: 75.1

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed	Flags
alpha-BHC	BQL	16.5	1	9/7/05	
beta-BHC	BQL	16.5	1	9/7/05	
delta-BHC	BQL	16.5	1	9/7/05	
gamma-BHC (Lindane)	BQL	16.5	1	9/7/05	
Heptachlor	BQL	16.5	1	9/7/05	
Aldrin	BQL	16.5	1	9/7/05	
Heptachlor epoxide	BQL	16.5	1	9/7/05	
Endosulfan I	BQL	16.5	1	9/7/05	
Dieldrin	BQL	16.5	1	9/7/05	
4,4'-DDE	BQL	16.5	1	9/7/05	
Endrin	BQL	16.5	1	9/7/05	
DDD	BQL	16.5	1	9/7/05	
Endosulfan II	BQL	16.5	1	9/7/05	
4,4'-DDT	BQL	16.5	1	9/7/05	
Methoxychlor	BQL	12.4	1	9/7/05	
Toxaphene	BQL	16.5	1	9/7/05	
alpha-Chlordane	BQL	16.5	1	9/7/05	
gamma-Chlordane	BQL	16.5	1	9/7/05	
Endrin aldehyde	BQL	16.5	1	9/7/05	
Endosulfan sulfate	BQL	16.5	1	9/7/05	
Endrin ketone	BQL	16.5	1	9/7/05	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	88.2	88.2

Comments:

BQL = Below Quantitation Limit

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Pesticides  
by EPA 8081

Client Sample ID: P10GP2-28 Analyzed By: CLP  
 Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A Date Collected: 8/30/05 10:50  
 Lab Sample ID: G106-542-2I Date Received: 9/1/05  
 Lab Project ID: G106-542 Date Extracted: 9/7/05  
 Sample Wt/Vol: 34.10 g ColumnID: STX\_CLPest Matrix: Soil  
 Report Basis: Dry Weight % Solids: 83.1

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed	Flags
alpha-BHC	BQL	14.1	1	9/7/05	
beta-BHC	BQL	14.1	1	9/7/05	
delta-BHC	BQL	14.1	1	9/7/05	
gamma-BHC (Lindane)	BQL	14.1	1	9/7/05	
Heptachlor	BQL	14.1	1	9/7/05	
Aldrin	BQL	14.1	1	9/7/05	
Heptachlor epoxide	BQL	14.1	1	9/7/05	
Endosulfan I	BQL	14.1	1	9/7/05	
Dieldrin	BQL	14.1	1	9/7/05	
4,4'-DDE	BQL	14.1	1	9/7/05	
Endrin	BQL	14.1	1	9/7/05	
DDD	BQL	14.1	1	9/7/05	
Endosulfan II	BQL	14.1	1	9/7/05	
4,4'-DDT	BQL	14.1	1	9/7/05	
Methoxychlor	BQL	10.6	1	9/7/05	
Toxaphene	BQL	14.1	1	9/7/05	
alpha-Chlordane	BQL	14.1	1	9/7/05	
gamma-Chlordane	BQL	14.1	1	9/7/05	
Endrin aldehyde	BQL	14.1	1	9/7/05	
Endosulfan sulfate	BQL	14.1	1	9/7/05	
Endrin ketone	BQL	14.1	1	9/7/05	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	76.2	76.2

Comments:  
BQL = Below Quantitation Limit

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Pesticides  
by EPA 8081

Client Sample ID: P10GP3-21 Analyzed By: CLP  
 Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A Date Collected: 8/30/05 11:20  
 Lab Sample ID: G106-542-3I Date Received: 9/1/05  
 Lab Project ID: G106-542 Date Extracted: 9/7/05  
 Sample Wt/Vol: 32.89 g ColumnID: STX\_CLPest Matrix: Soil  
 Report Basis: Dry Weight % Solids: 84.2

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed	Flags
alpha-BHC	BQL	14.4	1	9/7/05	
beta-BHC	BQL	14.4	1	9/7/05	
delta-BHC	BQL	14.4	1	9/7/05	
gamma-BHC (Lindane)	BQL	14.4	1	9/7/05	
Heptachlor	BQL	14.4	1	9/7/05	
Aldrin	BQL	14.4	1	9/7/05	
Heptachlor epoxide	BQL	14.4	1	9/7/05	
Endosulfan I	BQL	14.4	1	9/7/05	
Dieldrin	BQL	14.4	1	9/7/05	
4,4'-DDE	BQL	14.4	1	9/7/05	
Endrin	BQL	14.4	1	9/7/05	
DDD	BQL	14.4	1	9/7/05	
Endosulfan II	BQL	14.4	1	9/7/05	
4,4'-DDT	BQL	14.4	1	9/7/05	
Methoxychlor	BQL	10.8	1	9/7/05	
Toxaphene	BQL	14.4	1	9/7/05	
alpha-Chlordane	BQL	14.4	1	9/7/05	
gamma-Chlordane	BQL	14.4	1	9/7/05	
Endrin aldehyde	BQL	14.4	1	9/7/05	
Endosulfan sulfate	BQL	14.4	1	9/7/05	
Endrin ketone	BQL	14.4	1	9/7/05	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	102	102

Comments:

BQL = Below Quantitation Limit

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Pesticides  
by EPA 8081

Client Sample ID: P10GP4-28 Analyzed By: CLP  
 Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A Date Collected: 8/30/05 11:40  
 Lab Sample ID: G106-542-4C Date Received: 9/1/05  
 Lab Project ID: G106-542 Date Extracted: 9/7/05  
 Sample Wt/Vol: 33.27 g ColumnID: STX\_CLPest Matrix: Soil  
 Report Basis: Dry Weight % Solids: 75.8

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed	Flags
alpha-BHC	BQL	15.9	1	9/7/05	
beta-BHC	BQL	15.9	1	9/7/05	
delta-BHC	BQL	15.9	1	9/7/05	
gamma-BHC (Lindane)	BQL	15.9	1	9/7/05	
Heptachlor	BQL	15.9	1	9/7/05	
Aldrin	BQL	15.9	1	9/7/05	
Heptachlor epoxide	BQL	15.9	1	9/7/05	
Endosulfan I	BQL	15.9	1	9/7/05	
Dieldrin	BQL	15.9	1	9/7/05	
4,4'-DDE	BQL	15.9	1	9/7/05	
Endrin	BQL	15.9	1	9/7/05	
DDD	BQL	15.9	1	9/7/05	
Endosulfan II	BQL	15.9	1	9/7/05	
4,4'-DDT	BQL	15.9	1	9/7/05	
Methoxychlor	BQL	11.9	1	9/7/05	
Toxaphene	BQL	15.9	1	9/7/05	
alpha-Chlordane	BQL	15.9	1	9/7/05	
gamma-Chlordane	BQL	15.9	1	9/7/05	
Endrin aldehyde	BQL	15.9	1	9/7/05	
Endosulfan sulfate	BQL	15.9	1	9/7/05	
Endrin ketone	BQL	15.9	1	9/7/05	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	90.7	90.7

Comments:  
BQL = Below Quantitation Limit

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Pesticides  
by EPA 8081

Client Sample ID: P10GP5-30 Analyzed By: CLP  
 Client Project ID: Parcel 10-NCDOT Forsyth Tip#U-2826A Date Collected: 8/30/05 12:15  
 Lab Sample ID: G106-542-5C Date Received: 9/1/05  
 Lab Project ID: G106-542 Date Extracted: 9/7/05  
 Sample Wt/Vol: 32.73 g ColumnID: STX\_CLPest Matrix: Soil  
 Report Basis: Dry Weight % Solids: 82.7

Compound	Result ug/KG	Quantitation Limit ug/KG	Dilution Factor	Date Analyzed	Flags
alpha-BHC	BQL	14.8	1	9/7/05	
beta-BHC	BQL	14.8	1	9/7/05	
delta-BHC	BQL	14.8	1	9/7/05	
gamma-BHC (Lindane)	BQL	14.8	1	9/7/05	
Heptachlor	BQL	14.8	1	9/7/05	
Aldrin	BQL	14.8	1	9/7/05	
Heptachlor epoxide	BQL	14.8	1	9/7/05	
Endosulfan I	BQL	14.8	1	9/7/05	
Dieldrin	BQL	14.8	1	9/7/05	
4,4'-DDE	BQL	14.8	1	9/7/05	
Endrin	BQL	14.8	1	9/7/05	
DDD	BQL	14.8	1	9/7/05	
Endosulfan II	BQL	14.8	1	9/7/05	
4,4'-DDT	BQL	14.8	1	9/7/05	
Methoxychlor	BQL	11.1	1	9/7/05	
Toxaphene	BQL	14.8	1	9/7/05	
alpha-Chlordane	BQL	14.8	1	9/7/05	
gamma-Chlordane	BQL	14.8	1	9/7/05	
Endrin aldehyde	BQL	14.8	1	9/7/05	
Endosulfan sulfate	BQL	14.8	1	9/7/05	
Endrin ketone	BQL	14.8	1	9/7/05	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
TCMX	100	92	92

Comments:

BQL = Below Quantitation Limit

Reviewed By: gnd

List of Reporting Abbreviations  
and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

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

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

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

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

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

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

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

**PARADIGM ANALYTICAL LABORATORIES, INC.**

5500 Business Drive, Wilmington, NC 28405

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

Chain-of Custody Record & Analytical Request

NBS # 34871.1.1 TTP# U-2826A

COC# 48117

Page 1 of 1

Client: EA, INC.

Project ID: PARCEL 10 - NODOT FORESTRY

Date: 8-30-05

Report To: DARREN LOCKHART

Address: 2101 GATEWAY CENTER BLVD

Contact: DARREN LOCKHART

Turnaround: STANDARD

Address: SUITE 200, MORRISVILLE, NC

Phone: 919-544-7500

Job Number: ENMD05001500

Quote #: 27560

Fax: 919-544-2199

Invoice To: NCOS

Sample ID	Date	Time Matrix	Preservatives		Analyses					Comments: Please specify any special reporting requirements
			TPH	DRD	TPH	DRD	VCS	VCS	52015	
P106P1-30	8-30-05	1032	X	X	X	X	X	X	X	6106-542
P106P2-28		1050	X	X	X	X	X	X	X	
P106P3-21		1120	X	X	X	X	X	X	X	
P106P4-28		1140	X	X	X	X	X	X	X	
P106P5-30		1215	X	X	X	X	X	X	X	
Requested By <i>[Signature]</i>	Date 8/31/05	Time	Received By <i>[Signature]</i>	Date 9/1/05	Time 09:50	Temperature 0.30.3°C	State Certification Requested NC <input checked="" type="checkbox"/> SC <input type="checkbox"/> Other <input type="checkbox"/>		SEE REVERSE FOR TERMS AND CONDITIONS	

ORIGINAL



PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Metals

Client Sample ID: P10HA6-1.0  
 Client Project ID: Parcel 10.RC Tip#U-2826A  
 Lab Sample ID: G106-557-1  
 Lab Project ID: G106-557  
 Batch ID: 3758 3763  
 Report Basis: Dry

Analyzed By: PSW  
 Date Collected: 9/29/2005 15:30  
 Date Received: 9/30/2005  
 Matrix: SOIL  
 Solids 93.23

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	12.0	1.03	1	MG/KG	6010B	10/5/2005
Barium	48.9	10.3	1	MG/KG	6010B	10/5/2005
Cadmium	BQL	1.03	1	MG/KG	6010B	10/5/2005
Chromium	5.06	1.03	1	MG/KG	6010B	10/5/2005
Lead	66.2	1.03	1	MG/KG	6010B	10/5/2005
Mercury	0.110	0.0188	1	MG/KG	7471	10/4/2005
Selenium	BQL	2.06	1	MG/KG	6010B	10/5/2005
Silver	BQL	1.03	1	MG/KG	6010B	10/5/2005

Comments

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

Reviewed By:   
 MET\_LIMS\_3.3

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Metals

Client Sample ID: P10HA7-0.5  
 Client Project ID: Parcel 10.RC Tip#U-2826A  
 Lab Sample ID: G106-557-2  
 Lab Project ID: G106-557  
 Batch ID: 3758 3763  
 Report Basis: Dry

Analyzed By: PSW  
 Date Collected: 9/29/2005 15:33  
 Date Received: 9/30/2005  
 Matrix: SOIL  
 Solids 94.80

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	4.84	1.03	1	MG/KG	6010B	10/5/2005
Barium	60.2	10.3	1	MG/KG	6010B	10/5/2005
Cadmium	BQL	1.03	1	MG/KG	6010B	10/5/2005
Chromium	10.9	1.03	1	MG/KG	6010B	10/5/2005
Lead	76.9	1.03	1	MG/KG	6010B	10/5/2005
Mercury	0.0437	0.0195	1	MG/KG	7471	10/4/2005
Selenium	BQL	2.07	1	MG/KG	6010B	10/5/2005
Silver	BQL	1.03	1	MG/KG	6010B	10/5/2005

Comments

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

Reviewed By:   
 MET\_LMS\_3.3

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Metals

Client Sample ID: P10HA8-0.5  
Client Project ID: Parcel 10.RC Tip#U-2826A  
Lab Sample ID: G106-557-3  
Lab Project ID: G106-557  
Batch ID: 3758 3763  
Report Basis: Dry

Analyzed By: PSW  
Date Collected: 9/29/2005 15:40  
Date Received: 9/30/2005  
Matrix: SOIL  
Solids 94.55

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	5.71	0.881	1	MG/KG	6010B	10/5/2005
Barium	46.5	8.81	1	MG/KG	6010B	10/5/2005
Cadmium	BQL	0.881	1	MG/KG	6010B	10/5/2005
Chromium	5.77	0.881	1	MG/KG	6010B	10/5/2005
Lead	35.4	0.881	1	MG/KG	6010B	10/5/2005
Mercury	0.0366	0.0184	1	MG/KG	7471	10/4/2005
Selenium	BQL	1.76	1	MG/KG	6010B	10/5/2005
Silver	BQL	0.881	1	MG/KG	6010B	10/5/2005

Comments

BQL = Below Quantitation Limits

DF = Dilution Factor

J = Between MDL and RL

B= Amount in Prep Blank > RL

Reviewed By:   
MET\_LIMS\_3.3

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Metals

Client Sample ID: P10HA9-1.0  
 Client Project ID: Parcel 10.RC Tip#U-2826A  
 Lab Sample ID: G106-557-4  
 Lab Project ID: G106-557  
 Batch ID: 3758 3763  
 Report Basis: Dry

Analyzed By: PSW  
 Date Collected: 9/29/2005 15:45  
 Date Received: 9/30/2005  
 Matrix: SOIL  
 Solids 94.52

Metals	Result	RL	DF	Units	Method	Date Analyzed
Arsenic	5.74	1.06	1	MG/KG	6010B	10/5/2005
Barium	49.7	10.6	1	MG/KG	6010B	10/5/2005
Cadmium	BQL	1.06	1	MG/KG	6010B	10/5/2005
Chromium	5.29	1.06	1	MG/KG	6010B	10/5/2005
Lead	41.1	1.06	1	MG/KG	6010B	10/5/2005
Mercury	0.0434	0.0202	1	MG/KG	7471	10/4/2005
Selenium	BQL	2.12	1	MG/KG	6010B	10/5/2005
Silver	BQL	1.06	1	MG/KG	6010B	10/5/2005

Comments

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

Reviewed By:   
 MET\_LIMS\_3.3

List of Reporting Abbreviations  
and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit

DF = Dilution Factor

Dup = Duplicate

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

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

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

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

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

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

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

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

MI34.092205.2

PARADIGM ANALYTICAL LABORATORIES, INC.  
 5500 Business Drive, Wilmington, NC 28405  
 Phone: (910)-350-1903 FAX: (910)-350-1557  
 Chain-of Custody Record & Analytical Request  
 Project ID: PRC110-PC Date: 9.28.05  
 Client: EL Report To: Darren P. Lee  
 Address: 2101 Gateway Center Blvd Turnaround: 5-7 day  
 Address: 2720 Andersonville, NC Phone: 919.657.7500 Job Number: ENLABS0515.0  
 Quote #: 2750 Fax: John H. Bell Corp. Number:  
 TR# U-2826A WGS 54271.1.1

Invoice To: Acet (U-2826A)  
 State Certification #99029

Sample ID	Date	Time Matrix	Preservatives		Analyses				State Certification Requested	
			Date	Time	Date	Time	Temperature			
710HA6-1.0	9.29.05	1530	S							
710HA7-0.5	"	1533	L							
710HA8-0.5	"	1540	"							
710HA9-1.0	"	1545	"							
Comments: Please specify any special reporting requirements										
										6/06-557
Relinquished By: <u>Darren P. Lee</u>										NC
Received By: <u>John Phelan</u>										SC
Date: <u>9.29.05</u> Time: <u>1200</u>										Other
Date: <u>9/30/05</u> Time: <u>1010</u> Temperature: <u>5.20C</u>										

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