

SOIL CONTAMINATION REPORT

WALDRON RESIDENCE  
206 COUNTRY PARK ROAD  
GREENSBORO, NORTH CAROLINA  
GROUNDWATER INCIDENT: 30701  
FACILITY ID: N/A

DECEMBER 21, 2005

UST OWNER/OPERATOR:

David F. Lawrence  
5117-D Lawndale Drive  
Greensboro, NC 27455  
Phone Number Not Available

DEC 21 2005

PROPERTY OWNER:

Beatty Waldron  
206 Country Park Road  
Greensboro, NC 27455  
Phone Number: (336) 580-4332

CONSULTANT:

Paragon Environmental Consultants, Inc.  
P. O. Box 157  
Thomasville, NC 27361-0157  
Phone Number: (336) 669-6037

RELEASE INFORMATION:

Date Discovered: 11/23/05  
Estimated Quantity of Release: Unknown  
Cause of Release: Unknown  
Source of Release: UST  
Size and Contents: (1) 550 Gallon Heating Oil UST  
Latitude: N 36° 07'31" Longitude: W 79° 49'41"

The Soil Contamination Report for this site has been prepared by Paragon Environmental Consultants, Inc. under the direct supervision of a licensed geologist. All activities performed on this project were conducted under my direct supervision:



Brandon Moore, U.G.  
North Carolina License #1666



December 21, 2005

Beatty Waldron  
206 Country Park Road  
Greensboro, NC 27455

Reference: Soil Contamination Report  
Waldron Residence  
206 Country Park Road  
Greensboro, NC

Dear Mr. Waldron:

In accordance with the requirements of the current UST Section guidelines, contained herein is a Soil Contamination Report for the release which occurred at the above referenced facility. These activities have been conducted following the release of petroleum which occurred in the vicinity of one 550 gallon heating oil underground storage tank (UST). The soil remediation consisted of the excavation and disposal of approximately 31 cubic yards of contaminated soil and confirmatory sampling of in-situ soils. All activities were conducted in accordance with North Carolina Department of Environment and Natural Resources (NCDENR) guidelines and the requirements of 15A NCAC 2N.

Mr. Waldron, if you have questions regarding this report please contact our office.

Sincerely,

A handwritten signature in cursive script that reads 'Brandon Moore'.

Brandon Moore, L.G.  
Paragon Environmental Consultants, Inc.

R05-591

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## SOIL CONTAMINATION REPORT

Waldron Residence  
206 Country Park Road  
Greensboro, NC

### B. Site History

#### 1. Introduction

Beatty Waldron owns and occupies a property at 206 Country Park Road in Greensboro, NC. This property contains one permanent structure which is used for a residence. Figure 1 illustrates the location of this facility on the Lake Brandt Quadrangle U.S.G.S. Topographic Map. The site formerly contained one 550 gallon heating oil UST which was formerly used for heating the residence. Figure 2 illustrates the site layout and the former location of the UST. Information regarding the ownership of the non-regulated UST which was formerly located at this facility is contained in Table 1. The former UST was removed prior to 1998 when Beatty Waldron purchased the property. A soil boring was advanced in the former UST location, and a sample was collected from this boring which indicated a TPH level of 524 milligrams per kilogram (mg/kg) by EPA Method 3550.

Following the discovery of the tank release, Paragon Environmental Consultants, Inc. was contracted by Beatty Waldron to perform soil remediation activities and confirmatory soil sampling and laboratory analyses in the area of the contaminated 550 gallon heating oil UST. Contained herein is a summary of activities which were completed at the project site.

#### 2. Scope of Services

This soil contamination report contains documentation concerning the following activities which have been conducted at this facility:

- o Excavation of contaminated soils and backfilling of the excavation performed by OK Enterprises, Inc. of Elon, NC
- o Transportation of contaminated soil by OK Enterprises, Inc. and disposal of the excavated material at Soil Remedies, Inc. of Mebane, NC
- o Collection of soil samples from the limits of the excavation performed by Paragon Environmental
- o Laboratory analyses of soil samples conducted by Meritech, Inc. of Reidsville, NC

## C. Site Investigation

### 1. Excavation and Soil Sampling

On December 6, 2005, personnel from OK Enterprises, Inc. and Paragon attempted to remove the heating oil impacted soil which was identified during the initial soil boring. The impacted soils in the excavation area were excavated until field analyses indicated that all petroleum contaminated soil had been removed. In order to verify site conditions, one sample was collected from the pit bottom at a depth of 13 feet and one sample was collected from each of the walls at depths of 11 feet below grade. Appendix A contains a geologic log of excavation for the soil remediation activities at this facility.

The soil samples collected from the remedial excavation at 206 Country Park Road were analyzed for Methods 8260 and 8270 as well as MADEP methods for Volatile Petroleum Hydrocarbons (VPH) and Extractable Petroleum Hydrocarbons (EPH). The in-situ soil samples from the bottom and walls of the excavation were collected with the back-hoe bucket and were immediately placed into laboratory supplied glassware and placed on ice for transportation to the analytical laboratory.

According to the laboratory analytical results all soil samples from the limits of the remedial excavation were below the laboratory detection limits for Methods 8260 and 8270. The five in-situ samples were also below the laboratory detection limits according to VPH and EPH methods. Based on the soil sample results from the limits of the remedial excavation, no contamination above the lowest Maximum Soil Contaminant Concentrations (MSCCs) remains in place at this facility.

Figure 3 illustrates the area of soil remediation and the locations of the in-situ soil samples collected at this facility. The analytical results for the soil analyses are summarized in Table 2, and a copy of the laboratory analytical report and the chain of custody record for the soil samples is included in Appendix B. All samples were obtained in accordance with Paragon's Standard Operating Procedures which are included as Appendix C.

### 2. Soil Disposal

A total of approximately 31 cubic yards (43.16 tons) of heating oil impacted soils were removed during site remediation activities on December 6, 2005. A composite stockpile sample of this material was obtained which indicated a TPH level of 7,190 mg/kg by Method 3550 and <10 mg/kg by Method 5030. This material was transported by OK Enterprises, Inc. to Soil Remedies, Inc.'s facility in Mebane, NC for treatment and disposal. Copies of the soil disposal manifests for the contaminated soil from 206 Country Park Road are contained as Appendix D.

### 3. Conclusions and Recommendations

#### 3.A *Conclusions and Recommendations*

The soil remediation activities at 206 Country Park Road have been completed. From a review of all information gathered during this removal project, Paragon Environmental Consultants, Inc. makes the following conclusions:

- o Laboratory results for soil sampling of in-situ soils following the excavation activities were below the lowest MSCCs for Methods 8260 and 8270 as well as MADEP methods for VPH and EPH.
- o A total of 43.16 tons of impacted soil indicating a 3550 TPH level of 7,190 mg/kg were removed from the area of the former heating oil UST. This material was transported by OK Enterprises, Inc. to Soil Remedies, Inc.'s facility in Mebane, NC for disposal.

#### 3.B *Recommendations*

Based upon a review of all information gathered during the soil contamination project, Paragon makes the following recommendations:

- o A notice of No Further Action should be issued for the subject site since all in-situ soils are below the lowest MSCCs.
- o A copy of this report should be forwarded to the following address:

Guilford County Health Department  
1203 Maple Street  
Greensboro, NC 27405

#### 3.C *Limitations*

This report has been prepared for the exclusive use of Beatty Waldron for the specific application to the referenced site located in Guilford County, North Carolina. The assessment was conducted based on the scope of work and level of effort desired by the client. Our findings have been developed in accordance with generally accepted standards in the practice of Soil Contamination Reports in the State of North Carolina, available information and our professional judgment. No other warranty is expressed or implied.

The data presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. Additionally, the data obtained from the samples would be interpreted as meaningful with respect to the parameters indicated in the laboratory reports. No additional information can be logically inferred from this data.

**FIGURES**

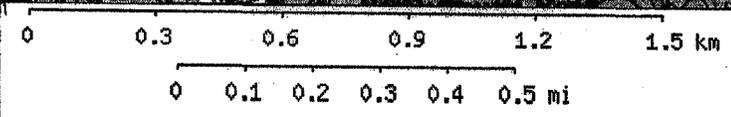


FIGURE 1

SCALE: 1"=2000'	TITLE: PROJECT LOCATION U.S.G.S. TOPO MAP LAKE BRANDT QUADRANGLE	PROJECT: SOIL REMEDIATION 206 COUNTRY PARK ROAD GREENSBORO, NC	CLIENT: BEATTY WALDRON GREENSBORO, NC	PARAGON ENVIRONMENTAL CONSULTANTS, INC. THOMASVILLE, NORTH CAROLINA
DATE: 12/20/05				
DWN. BY: KBM				
DWG. NO. L05-1672				

COUNTRY PARK ROAD

DRIVEWAY

CARPORT

HOUSE

FORMER UST LOCATION

CONCRETE SIDEWALK

GRASS

GRASS

GRASS



**LEGEND**

SCALE

0' 10' 20'

FIGURE 2

SCALE: 1"=20'  
 DATE: 12/20/05  
 DWN. BY: KBM  
 DWG. NO. L05-167

TITLE:  
 SITE LAYOUT AND  
 FORMER UST LOCATION

PROJECT: SOIL REMEDIATION  
 206 COUNTRY PARK ROAD  
 GREENSBORO, NC

CLIENT:  
 BEATTY WALDRON  
 GREENSBORO, NC

 PARAGON  
 ENVIRONMENTAL  
 CONSULTANTS, INC.  
 THOMASVILLE, NORTH CAROLINA

COUNTRY PARK ROAD

DRIVEWAY

FORMER UST LOCATION

EXTENT OF SOIL EXCAVATION

CARPORT

HOUSE

**LEGEND**

SCALE

0' 10' 20'

+ SOIL SAMPLE LOCATION

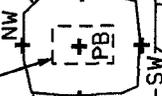


FIGURE 3

SCALE: 1"=20'  
DATE: 12/20/05  
DWN. BY: KBM  
DWG. NO. L05-167A

TITLE:  
SITE LAYOUT AND  
SOIL SAMPLE LOCATIONS

PROJECT: SOIL REMEDIATION  
206 COUNTRY PARK ROAD  
GREENSBORO, NC

CLIENT:  
BEATTY WALDRON  
GREENSBORO, NC

  
PARAGON  
ENVIRONMENTAL  
CONSULTANTS, INC.  
THOMASVILLE, NORTH CAROLINA

# TABLES

**TABLE 1: SITE HISTORY**

**WALDRON RESIDNCE  
206 COUNTRY PARK ROAD  
GREENSBORO, NORTH CAROLINA**

Property Ownership:

Beatty Waldron  
206 Country Park Road  
Greensboro, NC 27455

UST Ownership:

Last tank owner/operator:

David F. Lawrence  
5117-D Lawndale Drive  
Greensboro, NC 27455

UST Information:

Tank No	Installation Date	Size (Gal)	Closure Date	UST Status	Tank Contents
T1	Unknown	550	1998	Removed	Heating Oil

M05-591H

**TABLE 2**  
**Summary of Soil Laboratory Analytical Results**  
 206 Country Park Road  
 Greensboro, North Carolina

Constituent	NW	SW	EW	WW	PB	Lowest MSCC
Date	12/6/2005	12/6/2005	12/6/2005	12/6/2005	12/6/2005	
<b>Method 8260 (mg/kg)</b>						
Benzene	BDL	BDL	BDL	BDL	BDL	0.0056
n-Butylbenzene	BDL	BDL	BDL	BDL	BDL	4
sec-Butylbenzene	BDL	BDL	BDL	BDL	BDL	3
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	0.24
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	2
p-Isopropyltoluene	BDL	BDL	BDL	BDL	BDL	NSE
Naphthalene	BDL	BDL	BDL	BDL	BDL	0.58
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	2
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	8
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	7
Toluene	BDL	BDL	BDL	BDL	BDL	7
Xylenes (total)	BDL	BDL	BDL	BDL	BDL	5
<b>Method 8270 (mg/kg)</b>						
Acenaphthene	BDL	BDL	BDL	BDL	BDL	8
Fluorene	BDL	BDL	BDL	BDL	BDL	44
2-Methylnaphthalene	BDL	BDL	BDL	BDL	BDL	3
Naphthalene	BDL	BDL	BDL	BDL	BDL	0.58
Phenanthrene	BDL	BDL	BDL	BDL	BDL	60
<b>Aliphatic Fraction Classes (mg/kg)</b>						
C5-C8 Volatile Aliphatics	BDL	BDL	BDL	BDL	BDL	72
C9-C12 Volatile Aliphatics	BDL	BDL	BDL	BDL	BDL	NSE
C9-C18 Extractable Aliphatics	BDL	BDL	BDL	BDL	BDL	NSE
C9-C18 Aliphatics (total)	BDL	BDL	BDL	BDL	BDL	3,255
C19-C36 Extractable Aliphatics	BDL	BDL	BDL	BDL	BDL	93,860
<b>Aromatic Fraction Classes (mg/kg)</b>						
C9-C10 Volatile Aromatics	BDL	BDL	BDL	BDL	BDL	NSE
C11-C22 Extractable Aromatics	BDL	BDL	BDL	BDL	BDL	NSE
C9-C22 Aromatics (total)	BDL	BDL	BDL	BDL	BDL	34

BDL = Below Detection Limits  
 NSE = No Standard Established

**APPENDIX A**

**GEOLOGIC LOG OF EXCAVATION**



**APPENDIX B**

**SOIL ANALYTICAL RESULTS**

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

Client:  
Project:  
Client Sample ID:  
Sample Collection:

Paragon Environmental Consultants  
Waldron Residence; P-591B  
North Wall (NW)  
12/06/05

Meritech ID#: 120705119  
Analysis: 12/13/05  
Analyst: CAH  
Dilution Factor: 1

### SW846-8260/5035 VOLATILE ORGANICS - Soil

Benzene	< 0.005 mg/kg	cis-1,3-Dichloropropene	< 0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	trans-1,3-Dichloropropene	< 0.005 mg/kg
Bromodichloromethane	< 0.005 mg/kg	Ethyl benzene	< 0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	Hexachlorobutadiene	< 0.005 mg/kg
Bromoform	< 0.005 mg/kg	Isopropylbenzene	< 0.005 mg/kg
Bromomethane	< 0.025 mg/kg	p-Isopropyltoluene	< 0.005 mg/kg
Butylbenzene	< 0.005 mg/kg	Methylene chloride	< 0.005 mg/kg
o-Butylbenzene	< 0.005 mg/kg	Naphthalene	< 0.005 mg/kg
p-Butylbenzene	< 0.005 mg/kg	n-Propylbenzene	< 0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	Styrene	< 0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	1,1,1,2-Tetrachloroethane	< 0.005 mg/kg
Chloroethane	< 0.025 mg/kg	1,1,2,2-Tetrachloroethane	< 0.005 mg/kg
Chloroform	< 0.005 mg/kg	Tetrachloroethene	< 0.005 mg/kg
Chloromethane	< 0.025 mg/kg	Toluene	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,1-Trichloroethane	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,2-Trichloroethane	< 0.005 mg/kg
1-Bromochloromethane	< 0.005 mg/kg	Trichloroethene	< 0.005 mg/kg
2-Dibromo-3-chloropropane	< 0.005 mg/kg	1,2,3-Trichlorobenzene	< 0.005 mg/kg
2-Dibromoethane (EDB)	< 0.005 mg/kg	1,2,4-Trichlorobenzene	< 0.005 mg/kg
1,1-Dibromomethane	< 0.005 mg/kg	1,2,3-Trichloropropane	< 0.005 mg/kg
1,1-Dichlorodifluoromethane	< 0.025 mg/kg	Trichlorofluoromethane	< 0.025 mg/kg
1,1-Dichloroethane	< 0.005 mg/kg	1,2,4-Trimethylbenzene	< 0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	1,3,5-Trimethylbenzene	< 0.005 mg/kg
1,4-Dichlorobenzene	< 0.005 mg/kg	Vinyl chloride	< 0.025 mg/kg
1,2-Dichlorobenzene	< 0.005 mg/kg	m/p-Xylenes	< 0.010 mg/kg
1,3-Dichlorobenzene	< 0.005 mg/kg	o-Xylene	< 0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg		
trans-1,2-Dichloroethene	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,3-Dichloropropane	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,1-Dichloropropene	< 0.005 mg/kg		
1,2-Dichloropropene	< 0.005 mg/kg		

I hereby certify that I have reviewed and approve these data.

  
Laboratory Representative

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

Client:  
Project:  
Client Sample ID:  
Sample Collection:

Paragon Environmental Consultants  
Waldron Residence; P-591B  
South Wall (SW)  
12/06/05

Meritech ID#: 120705120  
Analysis: 12/16/05  
Analyst: CAH  
Dilution Factor: 1

### SW846-8260/5035 VOLATILE ORGANICS - Soil

Benzene	< 0.005 mg/kg	cis-1,3-Dichloropropene	< 0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	trans-1,3-Dichloropropene	< 0.005 mg/kg
Bromodichloromethane	< 0.005 mg/kg	Ethyl benzene	< 0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	Hexachlorobutadiene	< 0.005 mg/kg
Bromoform	< 0.005 mg/kg	Isopropylbenzene	< 0.005 mg/kg
Bromomethane	< 0.025 mg/kg	p-Isopropyltoluene	< 0.005 mg/kg
n-Butylbenzene	< 0.005 mg/kg	Methylene chloride	< 0.005 mg/kg
sec-Butylbenzene	< 0.005 mg/kg	Naphthalene	< 0.005 mg/kg
tert-Butylbenzene	< 0.005 mg/kg	n-Propylbenzene	< 0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	Styrene	< 0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	1,1,1,2-Tetrachloroethane	< 0.005 mg/kg
Chloroethane	< 0.025 mg/kg	1,1,2,2-Tetrachloroethane	< 0.005 mg/kg
Chloroform	< 0.005 mg/kg	Tetrachloroethene	< 0.005 mg/kg
Chloromethane	< 0.025 mg/kg	Toluene	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,1-Trichloroethane	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,2-Trichloroethane	< 0.005 mg/kg
Dibromochloromethane	< 0.005 mg/kg	Trichloroethene	< 0.005 mg/kg
1,2-Dibromo-3-chloropropane	< 0.005 mg/kg	1,2,3-Trichlorobenzene	< 0.005 mg/kg
1,2-Dibromoethane (EDB)	< 0.005 mg/kg	1,2,4-Trichlorobenzene	< 0.005 mg/kg
Dibromomethane	< 0.005 mg/kg	1,2,3-Trichloropropane	< 0.005 mg/kg
Dichlorodifluoromethane	< 0.025 mg/kg	Trichlorofluoromethane	< 0.025 mg/kg
1,1-Dichloroethane	< 0.005 mg/kg	1,2,4-Trimethylbenzene	< 0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	1,3,5-Trimethylbenzene	< 0.005 mg/kg
1,4-Dichlorobenzene	< 0.005 mg/kg	Vinyl chloride	< 0.025 mg/kg
1,2-Dichlorobenzene	< 0.005 mg/kg	m/p-Xylenes	< 0.010 mg/kg
1,3-Dichlorobenzene	< 0.005 mg/kg	o-Xylene	< 0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg		
cis-1,2-Dichloroethene	< 0.005 mg/kg		
trans-1,2-Dichloroethene	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,3-Dichloropropane	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,1-Dichloropropene	< 0.005 mg/kg		
1,2-Dichloropropene	< 0.005 mg/kg		

I hereby certify that I have reviewed and approve these data.

  
Laboratory Representative

# MERITECH, INC.

## Environmental Laboratories

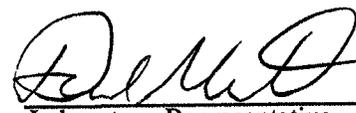
A Division of Water Technology and Controls, Inc.

Client: Paragon Environmental Consultants Meritech ID#: 120705121  
Project: Waldron Residence; P-591B Analysis: 12/16/05  
Client Sample ID: East Wall (EW) Analyst: CAH  
Sample Collection: 12/06/05 Dilution Factor: 1

### SW846-8260/5035 VOLATILE ORGANICS - Soil

Benzene	< 0.005 mg/kg	cis-1,3-Dichloropropene	< 0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	trans-1,3-Dichloropropene	< 0.005 mg/kg
Bromodichloromethane	< 0.005 mg/kg	Ethyl benzene	< 0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	Hexachlorobutadiene	< 0.005 mg/kg
Bromoform	< 0.005 mg/kg	Isopropylbenzene	< 0.005 mg/kg
Bromomethane	< 0.025 mg/kg	p-Isopropyltoluene	< 0.005 mg/kg
Butylbenzene	< 0.005 mg/kg	Methylene chloride	< 0.005 mg/kg
n-Butylbenzene	< 0.005 mg/kg	Naphthalene	< 0.005 mg/kg
tert-Butylbenzene	< 0.005 mg/kg	n-Propylbenzene	< 0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	Styrene	< 0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	1,1,1,2-Tetrachloroethane	< 0.005 mg/kg
Chloroethane	< 0.025 mg/kg	1,1,2,2-Tetrachloroethane	< 0.005 mg/kg
Chloroform	< 0.005 mg/kg	Tetrachloroethene	< 0.005 mg/kg
Chloromethane	< 0.025 mg/kg	Toluene	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,1-Trichloroethane	< 0.005 mg/kg
o-Chlorotoluene	< 0.005 mg/kg	1,1,2-Trichloroethane	< 0.005 mg/kg
o-Bromochloromethane	< 0.005 mg/kg	Trichloroethene	< 0.005 mg/kg
1,2-Dibromo-3-chloropropane	< 0.005 mg/kg	1,2,3-Trichlorobenzene	< 0.005 mg/kg
1,2-Dibromoethane (EDB)	< 0.005 mg/kg	1,2,4-Trichlorobenzene	< 0.005 mg/kg
Bromomethane	< 0.005 mg/kg	1,2,3-Trichloropropane	< 0.005 mg/kg
o-Dichlorodifluoromethane	< 0.025 mg/kg	Trichlorofluoromethane	< 0.025 mg/kg
1,1-Dichloroethane	< 0.005 mg/kg	1,2,4-Trimethylbenzene	< 0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	1,3,5-Trimethylbenzene	< 0.005 mg/kg
1,4-Dichlorobenzene	< 0.005 mg/kg	Vinyl chloride	< 0.025 mg/kg
1,2-Dichlorobenzene	< 0.005 mg/kg	m/p-Xylenes	< 0.010 mg/kg
1,3-Dichlorobenzene	< 0.005 mg/kg	o-Xylene	< 0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg		
trans-1,2-Dichloroethene	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,3-Dichloropropane	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,1-Dichloropropene	< 0.005 mg/kg		
1,2-Dichloropropene	< 0.005 mg/kg		

I hereby certify that I have reviewed and approve these data.

  
Laboratory Representative

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

Client:  
Project:  
Sample ID:  
Sample Collection:

Paragon Environmental Consultants  
Waldron Residence; P-591B  
West Wall (WW)  
12/06/05

Meritech ID#: 120705122  
Analysis: 12/16/05  
Analyst: CAH  
Dilution Factor: 1

### SW846-8260/5035 VOLATILE ORGANICS - Soil

Benzene	< 0.005 mg/kg	cis-1,3-Dichloropropene	< 0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	trans-1,3-Dichloropropene	< 0.005 mg/kg
Bromodichloromethane	< 0.005 mg/kg	Ethyl benzene	< 0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	Hexachlorobutadiene	< 0.005 mg/kg
Bromoform	< 0.005 mg/kg	Isopropylbenzene	< 0.005 mg/kg
Bromomethane	< 0.025 mg/kg	p-Isopropyltoluene	< 0.005 mg/kg
Butylbenzene	< 0.005 mg/kg	Methylene chloride	< 0.005 mg/kg
n-Butylbenzene	< 0.005 mg/kg	Naphthalene	< 0.005 mg/kg
n-Butylbenzene	< 0.005 mg/kg	n-Propylbenzene	< 0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	Styrene	< 0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	1,1,1,2-Tetrachloroethane	< 0.005 mg/kg
Chloroethane	< 0.025 mg/kg	1,1,2,2-Tetrachloroethane	< 0.005 mg/kg
Chloroform	< 0.005 mg/kg	Tetrachloroethene	< 0.005 mg/kg
Chloromethane	< 0.025 mg/kg	Toluene	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,1-Trichloroethane	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,2-Trichloroethane	< 0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	Trichloroethene	< 0.005 mg/kg
2-Dibromo-3-chloropropane	< 0.005 mg/kg	1,2,3-Trichlorobenzene	< 0.005 mg/kg
1,1-Dibromoethane (EDB)	< 0.005 mg/kg	1,2,4-Trichlorobenzene	< 0.005 mg/kg
Bromomethane	< 0.005 mg/kg	1,2,3-Trichloropropane	< 0.005 mg/kg
Chlorodifluoromethane	< 0.025 mg/kg	Trichlorofluoromethane	< 0.025 mg/kg
1,1-Dichloroethane	< 0.005 mg/kg	1,2,4-Trimethylbenzene	< 0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	1,3,5-Trimethylbenzene	< 0.005 mg/kg
1,4-Dichlorobenzene	< 0.005 mg/kg	Vinyl chloride	< 0.025 mg/kg
1,2-Dichlorobenzene	< 0.005 mg/kg	m/p-Xylenes	< 0.010 mg/kg
1,3-Dichlorobenzene	< 0.005 mg/kg	o-Xylene	< 0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg		
1,3,1,2-Dichloroethene	< 0.005 mg/kg		
trans-1,2-Dichloroethene	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,3-Dichloropropane	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,1-Dichloropropene	< 0.005 mg/kg		
1,2-Dichloropropene	< 0.005 mg/kg		

I hereby certify that I have reviewed and approve these data.

  
Laboratory Representative

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

Client:  
Project:  
Client Sample ID:  
Sample Collection:

Paragon Environmental Consultants  
Waldron Residence; P-591B  
Pit Bottom (PB)  
12/06/05

Meritech ID#: 120705123  
Analysis: 12/16/05  
Analyst: CAH  
Dilution Factor: 1

### SW846-8260/5035 VOLATILE ORGANICS - Soil

Benzene	< 0.005 mg/kg	cis-1,3-Dichloropropene	< 0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	trans-1,3-Dichloropropene	< 0.005 mg/kg
1,1-Dichloromethane	< 0.005 mg/kg	Ethyl benzene	< 0.005 mg/kg
1,2-Dichloromethane	< 0.005 mg/kg	Hexachlorobutadiene	< 0.005 mg/kg
Formaldehyde	< 0.005 mg/kg	Isopropylbenzene	< 0.005 mg/kg
Methane	< 0.025 mg/kg	p-Isopropyltoluene	< 0.005 mg/kg
Butylbenzene	< 0.005 mg/kg	Methylene chloride	< 0.005 mg/kg
n-Butylbenzene	< 0.005 mg/kg	Naphthalene	< 0.005 mg/kg
t-Butylbenzene	< 0.005 mg/kg	n-Propylbenzene	< 0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	Styrene	< 0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	1,1,1,2-Tetrachloroethane	< 0.005 mg/kg
Chloroethane	< 0.025 mg/kg	1,1,2,2-Tetrachloroethane	< 0.005 mg/kg
Chloroform	< 0.005 mg/kg	Tetrachloroethene	< 0.005 mg/kg
Chloromethane	< 0.025 mg/kg	Toluene	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,1-Trichloroethane	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,2-Trichloroethane	< 0.005 mg/kg
Dibromochloromethane	< 0.005 mg/kg	Trichloroethene	< 0.005 mg/kg
1,2-Dibromo-3-chloropropane	< 0.005 mg/kg	1,2,3-Trichlorobenzene	< 0.005 mg/kg
1,2-Dibromoethane (EDB)	< 0.005 mg/kg	1,2,4-Trichlorobenzene	< 0.005 mg/kg
Dibromomethane	< 0.005 mg/kg	1,2,3-Trichloropropane	< 0.005 mg/kg
1,1-Dichlorodifluoromethane	< 0.025 mg/kg	Trichlorofluoromethane	< 0.025 mg/kg
1,1-Dichloroethane	< 0.005 mg/kg	1,2,4-Trimethylbenzene	< 0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	1,3,5-Trimethylbenzene	< 0.005 mg/kg
1,4-Dichlorobenzene	< 0.005 mg/kg	Vinyl chloride	< 0.025 mg/kg
1,2-Dichlorobenzene	< 0.005 mg/kg	m/p-Xylenes	< 0.010 mg/kg
1,3-Dichlorobenzene	< 0.005 mg/kg	o-Xylene	< 0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg		
trans-1,2-Dichloroethene	< 0.005 mg/kg		
trans-1,2-Dichloroethene	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,3-Dichloropropane	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,1-Dichloropropene	< 0.005 mg/kg		
1,2-Dichloropropene	< 0.005 mg/kg		

I hereby certify that I have reviewed and approve these data.

  
Laboratory Representative

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

Client:  
Project:  
Client Sample ID:  
Sample Collection:

Paragon Environmental Consultants  
Waldron Residence; P-591B  
Trip Blank  
12/06/05

Meritech ID#: 120705119TB  
Analysis: 12/13/05  
Analyst: CAH  
Dilution Factor: 1

### SW846-8260/5035 VOLATILE ORGANICS - Soil

Benzene	< 0.005 mg/kg	cis-1,3-Dichloropropene	< 0.005 mg/kg
Bromobenzene	< 0.005 mg/kg	trans-1,3-Dichloropropene	< 0.005 mg/kg
Bromodichloromethane	< 0.005 mg/kg	Ethyl benzene	< 0.005 mg/kg
Bromochloromethane	< 0.005 mg/kg	Hexachlorobutadiene	< 0.005 mg/kg
Bromoform	< 0.005 mg/kg	Isopropylbenzene	< 0.005 mg/kg
Bromomethane	< 0.025 mg/kg	p-Isopropyltoluene	< 0.005 mg/kg
n-Butylbenzene	< 0.005 mg/kg	Methylene chloride	< 0.005 mg/kg
sec-Butylbenzene	< 0.005 mg/kg	Naphthalene	< 0.005 mg/kg
tert-Butylbenzene	< 0.005 mg/kg	n-Propylbenzene	< 0.005 mg/kg
Carbon Tetrachloride	< 0.005 mg/kg	Styrene	< 0.005 mg/kg
Chlorobenzene	< 0.005 mg/kg	1,1,1,2-Tetrachloroethane	< 0.005 mg/kg
Chloroethane	< 0.025 mg/kg	1,1,2,2-Tetrachloroethane	< 0.005 mg/kg
Chloroform	< 0.005 mg/kg	Tetrachloroethene	< 0.005 mg/kg
Chloromethane	< 0.025 mg/kg	Toluene	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,1-Trichloroethane	< 0.005 mg/kg
Chlorotoluene	< 0.005 mg/kg	1,1,2-Trichloroethane	< 0.005 mg/kg
Dibromochloromethane	< 0.005 mg/kg	Trichloroethene	< 0.005 mg/kg
1,2-Dibromo-3-chloropropane	< 0.005 mg/kg	1,2,3-Trichlorobenzene	< 0.005 mg/kg
1,2-Dibromoethane (EDB)	< 0.005 mg/kg	1,2,4-Trichlorobenzene	< 0.005 mg/kg
Dibromomethane	< 0.005 mg/kg	1,2,3-Trichloropropane	< 0.005 mg/kg
Dichlorodifluoromethane	< 0.025 mg/kg	Trichlorofluoromethane	< 0.025 mg/kg
1,1-Dichloroethane	< 0.005 mg/kg	1,2,4-Trimethylbenzene	< 0.005 mg/kg
1,2-Dichloroethane	< 0.005 mg/kg	1,3,5-Trimethylbenzene	< 0.005 mg/kg
1,4-Dichlorobenzene	< 0.005 mg/kg	Vinyl chloride	< 0.025 mg/kg
1,2-Dichlorobenzene	< 0.005 mg/kg	m/p-Xylenes	< 0.010 mg/kg
1,3-Dichlorobenzene	< 0.005 mg/kg	o-Xylene	< 0.005 mg/kg
1,1-Dichloroethene	< 0.005 mg/kg		
cis-1,2-Dichloroethene	< 0.005 mg/kg		
trans-1,2-Dichloroethene	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,3-Dichloropropane	< 0.005 mg/kg		
1,2-Dichloropropane	< 0.005 mg/kg		
1,1-Dichloropropene	< 0.005 mg/kg		
1,2-Dichloropropene	< 0.005 mg/kg		

I hereby certify that I have reviewed and approve these data.

  
Laboratory Representative

# MERITECH, INC.

## Environmental Laboratories

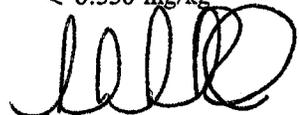
A Division of Water Technology and Controls, Inc.

Client: Paragon Environmental Consultants Meritech ID#: 120705119  
Project: Waldron Residence; P-591B Analysis: 12/13/05  
Client Sample ID: North Wall (NW) Extraction: 12/13/05  
Sample Collection: 12/06/05 Analyst: CAH  
Dilution: 1

### SW846-8270 SEMIVOLATILE ORGANICS - Soil

<u>Parameter</u>	<u>Result</u>	<u>Parameter</u>	<u>Result</u>
Acenaphthene	< 0.330 mg/kg	Hexachlorobenzene	< 0.330 mg/kg
Acenaphthylene	< 0.330 mg/kg	Hexachlorobutadiene	< 0.330 mg/kg
Anthracene	< 0.330 mg/kg	Hexachlorocyclopentadiene	< 1.65 mg/kg
Benidine	< 1.65 mg/kg	Hexachloroethane	< 0.330 mg/kg
Benzo(a)anthracene	< 0.330 mg/kg	Indeno(1,2,3-cd)pyrene	< 0.330 mg/kg
Benzo(a)pyrene	< 0.330 mg/kg	Isophorone	< 0.330 mg/kg
Benzo(b)fluoranthene	< 0.330 mg/kg	2-Methylnapthalene	< 0.330 mg/kg
Benzo(k)fluoranthene	< 0.330 mg/kg	Napthalene	< 0.330 mg/kg
Benzo(g,h,i)perylene	< 0.330 mg/kg	Nitrobenzene	< 0.330 mg/kg
Benzyl butyl phthalate	< 0.330 mg/kg	N-Nitrosodimethylamine	< 0.330 mg/kg
Bis(2-chloroethoxy)methane	< 0.330 mg/kg	N-Nitrosodi-n-propylamine	< 0.330 mg/kg
Bis(2-chloroethyl)ether	< 0.330 mg/kg	N-Nitrosodiphenylamine	< 0.330 mg/kg
Bis(2-chloroisopropyl)ether	< 0.330 mg/kg	Phenanthrene	< 0.330 mg/kg
Bis(2-ethylhexyl)phthalate	< 0.330 mg/kg	Pyrene	< 0.330 mg/kg
4-Bromophenyl phenyl ether	< 0.330 mg/kg	Pyridine	< 0.330 mg/kg
2-Chloronapthalene	< 0.330 mg/kg	1,2,4-Trichlorobenzene	< 0.330 mg/kg
4-Chlorophenyl phenyl ether	< 0.330 mg/kg		
Chrysene	< 0.330 mg/kg	4-Chloro-3-methylphenol	< 0.330 mg/kg
Dibenzo(a,h)anthracene	< 0.330 mg/kg	2-Chlorophenol	< 0.330 mg/kg
1,2-Dichlorobenzene	< 0.330 mg/kg	2,4-Dichlorophenol	< 0.330 mg/kg
1,3-Dichlorobenzene	< 0.330 mg/kg	2,4-Dimethylphenol	< 0.330 mg/kg
1,4-Dichlorobenzene	< 0.330 mg/kg	2,4-Dinitrophenol	< 1.65 mg/kg
3,3'-Dichlorobenzidine	< 1.65 mg/kg	4,6-Dinitro-2-methylphenol	< 1.65 mg/kg
Diethyl phthalate	< 0.330 mg/kg	2-Methylphenol (o-cresol)	< 0.330 mg/kg
Dimethyl phthalate	< 0.330 mg/kg	3/4-Methylphenol (m&p-cresol)	< 0.660 mg/kg
Di-n-butyl phthalate	< 0.330 mg/kg	2-Nitrophenol	< 0.330 mg/kg
2,4-Dinitrotoluene	< 0.330 mg/kg	4-Nitrophenol	< 1.65 mg/kg
2,6-Dinitrotoluene	< 0.330 mg/kg	Pentachlorophenol	< 1.65 mg/kg
Di-n-octyl phthalate	< 0.330 mg/kg	Phenol	< 0.330 mg/kg
1,2-Diphenylhydrazine	< 0.330 mg/kg	2,4,5-Trichlorophenol	< 0.330 mg/kg
Fluoranthene	< 0.330 mg/kg	2,4,6-Trichlorophenol	< 0.330 mg/kg
Fluorene	< 0.330 mg/kg		

I hereby certify that I have reviewed and approve these data.



Laboratory Representative

# MERITECH, INC.

## Environmental Laboratories

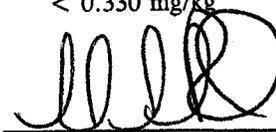
A Division of Water Technology and Controls, Inc.

**Client:** Paragon Environmental Consultants **Meritech ID#:** 120705120  
**Project:** Waldron Residence; P-591B **Analysis:** 12/13/05  
**Client Sample ID:** South Wall (SW) **Extraction:** 12/13/05  
**Sample Collection:** 12/06/05 **Analyst:** CAH  
**Dilution:** 1

### SW846-8270 SEMIVOLATILE ORGANICS - Soil

<u>Parameter</u>	<u>Result</u>	<u>Parameter</u>	<u>Result</u>
Acenaphthene	< 0.330 mg/kg	Hexachlorobenzene	< 0.330 mg/kg
Acenaphthylene	< 0.330 mg/kg	Hexachlorobutadiene	< 0.330 mg/kg
Anthracene	< 0.330 mg/kg	Hexachlorocyclopentadiene	< 1.65 mg/kg
Benzidine	< 1.65 mg/kg	Hexachloroethane	< 0.330 mg/kg
Benzo(a)anthracene	< 0.330 mg/kg	Indeno(1,2,3-cd)pyrene	< 0.330 mg/kg
Benzo(a)pyrene	< 0.330 mg/kg	Isophorone	< 0.330 mg/kg
Benzo(b)fluoranthene	< 0.330 mg/kg	2-Methylnaphthalene	< 0.330 mg/kg
Benzo(k)fluoranthene	< 0.330 mg/kg	Naphthalene	< 0.330 mg/kg
Benzo(g,h,i)perylene	< 0.330 mg/kg	Nitrobenzene	< 0.330 mg/kg
Benzyl butyl phthalate	< 0.330 mg/kg	N-Nitrosodimethylamine	< 0.330 mg/kg
Bis(2-chloroethoxy)methane	< 0.330 mg/kg	N-Nitrosodi-n-propylamine	< 0.330 mg/kg
Bis(2-chloroethyl)ether	< 0.330 mg/kg	N-Nitrosodiphenylamine	< 0.330 mg/kg
Bis(2-chloroisopropyl)ether	< 0.330 mg/kg	Phenanthrene	< 0.330 mg/kg
Bis(2-ethylhexyl)phthalate	< 0.330 mg/kg	Pyrene	< 0.330 mg/kg
4-Bromophenyl phenyl ether	< 0.330 mg/kg	Pyridine	< 0.330 mg/kg
2-Chloronaphthalene	< 0.330 mg/kg	1,2,4-Trichlorobenzene	< 0.330 mg/kg
4-Chlorophenyl phenyl ether	< 0.330 mg/kg		
Chrysene	< 0.330 mg/kg	4-Chloro-3-methylphenol	< 0.330 mg/kg
Dibenzo(a,h)anthracene	< 0.330 mg/kg	2-Chlorophenol	< 0.330 mg/kg
1,2-Dichlorobenzene	< 0.330 mg/kg	2,4-Dichlorophenol	< 0.330 mg/kg
1,3-Dichlorobenzene	< 0.330 mg/kg	2,4-Dimethylphenol	< 0.330 mg/kg
1,4-Dichlorobenzene	< 0.330 mg/kg	2,4-Dinitrophenol	< 1.65 mg/kg
3,3'-Dichlorobenzidine	< 1.65 mg/kg	4,6-Dinitro-2-methylphenol	< 1.65 mg/kg
Diethyl phthalate	< 0.330 mg/kg	2-Methylphenol (o-cresol)	< 0.330 mg/kg
Dimethyl phthalate	< 0.330 mg/kg	3/4-Methylphenol (m&p-cresol)	< 0.660 mg/kg
Di-n-butyl phthalate	< 0.330 mg/kg	2-Nitrophenol	< 0.330 mg/kg
2,4-Dinitrotoluene	< 0.330 mg/kg	4-Nitrophenol	< 1.65 mg/kg
2,6-Dinitrotoluene	< 0.330 mg/kg	Pentachlorophenol	< 1.65 mg/kg
Di-n-octyl phthalate	< 0.330 mg/kg	Phenol	< 0.330 mg/kg
1,2-Diphenylhydrazine	< 0.330 mg/kg	2,4,5-Trichlorophenol	< 0.330 mg/kg
Fluoranthene	< 0.330 mg/kg	2,4,6-Trichlorophenol	< 0.330 mg/kg
Fluorene	< 0.330 mg/kg		

I hereby certify that I have reviewed and approve these data.



Laboratory Representative

# MERITECH, INC.

## Environmental Laboratories

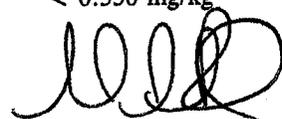
A Division of Water Technology and Controls, Inc.

**Client:** Paragon Environmental Consultants **Meritech ID#:** 120705121  
**Project:** Waldron Residence; P-591B **Analysis:** 12/13/05  
**Client Sample ID:** East Wall (EW) **Extraction:** 12/13/05  
**Sample Collection:** 12/06/05 **Analyst:** CAH  
**Dilution:** 1

### SW846-8270 SEMIVOLATILE ORGANICS - Soil

<u>Parameter</u>	<u>Result</u>	<u>Parameter</u>	<u>Result</u>
Acenaphthene	< 0.330 mg/kg	Hexachlorobenzene	< 0.330 mg/kg
Acenaphthylene	< 0.330 mg/kg	Hexachlorobutadiene	< 0.330 mg/kg
Anthracene	< 0.330 mg/kg	Hexachlorocyclopentadiene	< 1.65 mg/kg
Benzidine	< 1.65 mg/kg	Hexachloroethane	< 0.330 mg/kg
Benzo(a)anthracene	< 0.330 mg/kg	Indeno(1,2,3-cd)pyrene	< 0.330 mg/kg
Benzo(a)pyrene	< 0.330 mg/kg	Isophorone	< 0.330 mg/kg
Benzo(b)fluoranthene	< 0.330 mg/kg	2-Methylnaphthalene	< 0.330 mg/kg
Benzo(k)fluoranthene	< 0.330 mg/kg	Naphthalene	< 0.330 mg/kg
Benzo(g,h,i)perylene	< 0.330 mg/kg	Nitrobenzene	< 0.330 mg/kg
Benzyl butyl phthalate	< 0.330 mg/kg	N-Nitrosodimethylamine	< 0.330 mg/kg
Bis(2-chloroethoxy)methane	< 0.330 mg/kg	N-Nitrosodi-n-propylamine	< 0.330 mg/kg
Bis(2-chloroethyl)ether	< 0.330 mg/kg	N-Nitrosodiphenylamine	< 0.330 mg/kg
Bis(2-chloroisopropyl)ether	< 0.330 mg/kg	Phenanthrene	< 0.330 mg/kg
Bis(2-ethylhexyl)phthalate	< 0.330 mg/kg	Pyrene	< 0.330 mg/kg
4-Bromophenyl phenyl ether	< 0.330 mg/kg	Pyridine	< 0.330 mg/kg
2-Chloronaphthalene	< 0.330 mg/kg	1,2,4-Trichlorobenzene	< 0.330 mg/kg
4-Chlorophenyl phenyl ether	< 0.330 mg/kg		
Chrysene	< 0.330 mg/kg	4-Chloro-3-methylphenol	< 0.330 mg/kg
Dibenzo(a,h)anthracene	< 0.330 mg/kg	2-Chlorophenol	< 0.330 mg/kg
1,2-Dichlorobenzene	< 0.330 mg/kg	2,4-Dichlorophenol	< 0.330 mg/kg
1,3-Dichlorobenzene	< 0.330 mg/kg	2,4-Dimethylphenol	< 0.330 mg/kg
1,4-Dichlorobenzene	< 0.330 mg/kg	2,4-Dinitrophenol	< 1.65 mg/kg
3,3'-Dichlorobenzidine	< 1.65 mg/kg	4,6-Dinitro-2-methylphenol	< 1.65 mg/kg
Diethyl phthalate	< 0.330 mg/kg	2-Methylphenol (o-cresol)	< 0.330 mg/kg
Dimethyl phthalate	< 0.330 mg/kg	3/4-Methylphenol (m&p-cresol)	< 0.660 mg/kg
Di-n-butyl phthalate	< 0.330 mg/kg	2-Nitrophenol	< 0.330 mg/kg
2,4-Dinitrotoluene	< 0.330 mg/kg	4-Nitrophenol	< 1.65 mg/kg
2,6-Dinitrotoluene	< 0.330 mg/kg	Pentachlorophenol	< 1.65 mg/kg
Di-n-octyl phthalate	< 0.330 mg/kg	Phenol	< 0.330 mg/kg
1,2-Diphenylhydrazine	< 0.330 mg/kg	2,4,5-Trichlorophenol	< 0.330 mg/kg
Fluoranthene	< 0.330 mg/kg	2,4,6-Trichlorophenol	< 0.330 mg/kg
Fluorene	< 0.330 mg/kg		

I hereby certify that I have reviewed and approve these data.



Laboratory Representative

# MERITECH, INC.

## Environmental Laboratories

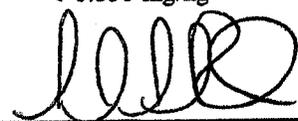
A Division of Water Technology and Controls, Inc.

Client: Paragon Environmental Consultants Meritech ID#: 120705122  
Project: Waldron Residence; P-591B Analysis: 12/13/05  
Client Sample ID: West Wall (WW) Extraction: 12/13/05  
Sample Collection: 12/06/05 Analyst: CAH  
Dilution: 1

### SW846-8270 SEMIVOLATILE ORGANICS - Soil

<u>Parameter</u>	<u>Result</u>	<u>Parameter</u>	<u>Result</u>
Acenaphthene	< 0.330 mg/kg	Hexachlorobenzene	< 0.330 mg/kg
Acenaphthylene	< 0.330 mg/kg	Hexachlorobutadiene	< 0.330 mg/kg
Anthracene	< 0.330 mg/kg	Hexachlorocyclopentadiene	< 1.65 mg/kg
Benidine	< 1.65 mg/kg	Hexachloroethane	< 0.330 mg/kg
Benzo(a)anthracene	< 0.330 mg/kg	Indeno(1,2,3-cd)pyrene	< 0.330 mg/kg
Benzo(a)pyrene	< 0.330 mg/kg	Isophorone	< 0.330 mg/kg
Benzo(b)fluoranthene	< 0.330 mg/kg	2-Methylnapthalene	< 0.330 mg/kg
Benzo(k)fluoranthene	< 0.330 mg/kg	Naphthalene	< 0.330 mg/kg
Benzo(g,h,i)perylene	< 0.330 mg/kg	Nitrobenzene	< 0.330 mg/kg
Benzyl butyl phthalate	< 0.330 mg/kg	N-Nitrosodimethylamine	< 0.330 mg/kg
Bis(2-chloroethoxy)methane	< 0.330 mg/kg	N-Nitrosodi-n-propylamine	< 0.330 mg/kg
Bis(2-chloroethyl)ether	< 0.330 mg/kg	N-Nitrosodiphenylamine	< 0.330 mg/kg
Bis(2-chloroisopropyl)ether	< 0.330 mg/kg	Phenanthrene	< 0.330 mg/kg
Bis(2-ethylhexyl)phthalate	< 0.330 mg/kg	Pyrene	< 0.330 mg/kg
4-Bromophenyl phenyl ether	< 0.330 mg/kg	Pyridine	< 0.330 mg/kg
2-Chloronaphthalene	< 0.330 mg/kg	1,2,4-Trichlorobenzene	< 0.330 mg/kg
4-Chlorophenyl phenyl ether	< 0.330 mg/kg		
Chrysene	< 0.330 mg/kg	4-Chloro-3-methylphenol	< 0.330 mg/kg
Dibenzo(a,h)anthracene	< 0.330 mg/kg	2-Chlorophenol	< 0.330 mg/kg
1,2-Dichlorobenzene	< 0.330 mg/kg	2,4-Dichlorophenol	< 0.330 mg/kg
1,3-Dichlorobenzene	< 0.330 mg/kg	2,4-Dimethylphenol	< 0.330 mg/kg
1,4-Dichlorobenzene	< 0.330 mg/kg	2,4-Dinitrophenol	< 1.65 mg/kg
3,3'-Dichlorobenzidine	< 1.65 mg/kg	4,6-Dinitro-2-methylphenol	< 1.65 mg/kg
Diethyl phthalate	< 0.330 mg/kg	2-Methylphenol (o-cresol)	< 0.330 mg/kg
Dimethyl phthalate	< 0.330 mg/kg	3/4-Methylphenol (m&p-cresol)	< 0.660 mg/kg
Di-n-butyl phthalate	< 0.330 mg/kg	2-Nitrophenol	< 0.330 mg/kg
2,4-Dinitrotoluene	< 0.330 mg/kg	4-Nitrophenol	< 1.65 mg/kg
2,6-Dinitrotoluene	< 0.330 mg/kg	Pentachlorophenol	< 1.65 mg/kg
Di-n-octyl phthalate	< 0.330 mg/kg	Phenol	< 0.330 mg/kg
1,2-Diphenylhydrazine	< 0.330 mg/kg	2,4,5-Trichlorophenol	< 0.330 mg/kg
Fluoranthene	< 0.330 mg/kg	2,4,6-Trichlorophenol	< 0.330 mg/kg
Fluorene	< 0.330 mg/kg		

I hereby certify that I have reviewed and approve these data.



Laboratory Representative

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

Client: Paragon Environmental Consultants Meritech ID#: 120705123  
Project: Waldron Residence; P-591B Analysis: 12/13/05  
Client Sample ID: Pit Bottom (PB) Extraction: 12/13/05  
Sample Collection: 12/06/05 Analyst: CAH  
Dilution: 1

### SW846-8270 SEMIVOLATILE ORGANICS - Soil

<u>Parameter</u>	<u>Result</u>	<u>Parameter</u>	<u>Result</u>
Acenaphthene	< 0.330 mg/kg	Hexachlorobenzene	< 0.330 mg/kg
Acenaphthylene	< 0.330 mg/kg	Hexachlorobutadiene	< 0.330 mg/kg
Anthracene	< 0.330 mg/kg	Hexachlorocyclopentadiene	< 1.65 mg/kg
Benizidine	< 1.65 mg/kg	Hexachloroethane	< 0.330 mg/kg
Benzo(a)anthracene	< 0.330 mg/kg	Indeno(1,2,3-cd)pyrene	< 0.330 mg/kg
Benzo(a)pyrene	< 0.330 mg/kg	Isophorone	< 0.330 mg/kg
Benzo(b)fluoranthene	< 0.330 mg/kg	2-Methylnaphthalene	< 0.330 mg/kg
Benzo(k)fluoranthene	< 0.330 mg/kg	Naphthalene	< 0.330 mg/kg
Benzo(g,h,i)perylene	< 0.330 mg/kg	Nitrobenzene	< 0.330 mg/kg
Benzyl butyl phthalate	< 0.330 mg/kg	N-Nitrosodimethylamine	< 0.330 mg/kg
Bis(2-chloroethoxy)methane	< 0.330 mg/kg	N-Nitrosodi-n-propylamine	< 0.330 mg/kg
Bis(2-chloroethyl)ether	< 0.330 mg/kg	N-Nitrosodiphenylamine	< 0.330 mg/kg
Bis(2-chloroisopropyl)ether	< 0.330 mg/kg	Phenanthrene	< 0.330 mg/kg
Bis(2-ethylhexyl)phthalate	< 0.330 mg/kg	Pyrene	< 0.330 mg/kg
4-Bromophenyl phenyl ether	< 0.330 mg/kg	Pyridine	< 0.330 mg/kg
2-Chloronaphthalene	< 0.330 mg/kg	1,2,4-Trichlorobenzene	< 0.330 mg/kg
4-Chlorophenyl phenyl ether	< 0.330 mg/kg		
Chrysene	< 0.330 mg/kg	4-Chloro-3-methylphenol	< 0.330 mg/kg
Dibenzo(a,h)anthracene	< 0.330 mg/kg	2-Chlorophenol	< 0.330 mg/kg
1,2-Dichlorobenzene	< 0.330 mg/kg	2,4-Dichlorophenol	< 0.330 mg/kg
1,3-Dichlorobenzene	< 0.330 mg/kg	2,4-Dimethylphenol	< 0.330 mg/kg
1,4-Dichlorobenzene	< 0.330 mg/kg	2,4-Dinitrophenol	< 1.65 mg/kg
3,3'-Dichlorobenzidine	< 1.65 mg/kg	4,6-Dinitro-2-methylphenol	< 1.65 mg/kg
Diethyl phthalate	< 0.330 mg/kg	2-Methylphenol (o-cresol)	< 0.330 mg/kg
Dimethyl phthalate	< 0.330 mg/kg	3/4-Methylphenol (m&p-cresol)	< 0.660 mg/kg
Di-n-butyl phthalate	< 0.330 mg/kg	2-Nitrophenol	< 0.330 mg/kg
2,4-Dinitrotoluene	< 0.330 mg/kg	4-Nitrophenol	< 1.65 mg/kg
2,6-Dinitrotoluene	< 0.330 mg/kg	Pentachlorophenol	< 1.65 mg/kg
Di-n-octyl phthalate	< 0.330 mg/kg	Phenol	< 0.330 mg/kg
1,2-Diphenylhydrazine	< 0.330 mg/kg	2,4,5-Trichlorophenol	< 0.330 mg/kg
Fluoranthene	< 0.330 mg/kg	2,4,6-Trichlorophenol	< 0.330 mg/kg
Fluorene	< 0.330 mg/kg		

I hereby certify that I have reviewed and approve these data.

  
Laboratory Representative



# Meritech Inc.

Environmental Laboratories  
A Division of Water Technology and Controls

Client Name	<u>Paragon Environmental Consultants, Inc.</u>	Laboratory Name	<u>MERITECH, INC.</u>
Project Name	<u>P-591 B</u>	NC Certification # (Lab)	<u>#165</u>
Site Location	<u>Waldron Residence</u>	Sample Matrix	<u>Soil</u>

## VPH (Aliphatics/Aromatics) Sample Information and Analytical Results

Method for Ranges: MADEP VPH  VPH Surrogate Standards Aliphatic: 2,5-Dibromtoluene Aromatic: 2,5-Dibromtoluene		Sample Identification			Trip Blank	NW
		Lab Identification			Trip Blank	120705119
		Collection Option (for soil)*			1	1
		Date Collected			12/06/05	12/06/05
		Date Received			12/07/05	12/07/05
		Date Extracted			N/A	12/13/05
		Date Analyzed			12/13/05	12/13/05
		% Dry Solids			N/A	67%
		Dilution Factor			N/A	N/A
		Hydrocarbon Ranges	Units of Measure	MDL	RL	Blank
C5 - C8 Aliphatics*	mg/kg	2.05	10.0	< 10.0	< 10.0	<10.0
C9 - C12 Aliphatics*	mg/kg	2.08	10.0	< 10.0	< 10.0	<10.0
C9- C10 Aromatics*	mg/kg	1.52	10.0	< 10.0	< 10.0	<10.0
Sample Surrogate Acceptance Range				70 - 130%	70 - 130%	70 - 130%
Aromatic Surrogate % Recovery - PID				108%	89%	94%
Aliphatic Surrogate % Recovery - FID				121%	100%	107%

\* Option 1 = Establish fill line on vial    Option 2 = Sampling Device (indicate brand, e.g.EnCore TM)  
Option 3 = Field weigh of soil

\* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit    RL = Reporting Limit    Blank = Laboratory Method Blank

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved?  
(YES) NO - Details Attached

Was blank correction applied as a significant modification of the method?  
YES (NO)

Were any significant modifications to the EPH method made?  
(NO) YES - Details Attached

Reviewed By *Paul M. A.*



# Meritech Inc.

Environmental Laboratories  
A Division of Water Technology and Controls

Client Name	<u>Paragon Environmental Consultants, Inc.</u>	Laboratory Name	<u>MERITECH, INC.</u>
Project Name	<u>P-591 B</u>	NC Certification # (Lab)	<u>#165</u>
Site Location	<u>Waldron Residence</u>	Sample Matrix	<u>Soil</u>

## VPH (Aliphatics/Aromatics) Sample Information and Analytical Results

Method for Ranges: MADEP VPH  VPH Surrogate Standards Aliphatic: 2,5-Dibromtoluene Aromatic: 2,5-Dibromtoluene		Sample Identification			SW	EW
		Lab Identification			120705120	120705121
		Collection Option (for soil)*			1	1
		Date Collected			12/06/05	12/06/05
		Date Received			12/07/05	12/07/05
		Date Extracted			12/13/05	12/13/05
		Date Analyzed			12/13/05	12/13/05
		% Dry Solids			62%	71%
		Dilution Factor			N/A	N/A
		Hydrocarbon Ranges	Units of Measure	MDL	RL	Blank
C5 - C8 Aliphatics*	mg/kg	2.05	10.0	< 10.0	< 10.0	<10.0
C9 - C12 Aliphatics*	mg/kg	2.08	10.0	< 10.0	< 10.0	<10.0
C9- C10 Aromatics*	mg/kg	1.52	10.0	< 10.0	< 10.0	<10.0
Sample Surrogate Acceptance Range				70 - 130%	70 - 130%	70 - 130%
Aromatic Surrogate % Recovery - PID				108%	109%	84%
Aliphatic Surrogate % Recovery - FID				121%	122%	94%

\* Option 1 = Establish fill line on vial    Option 2 = Sampling Device (indicate brand, e.g.EnCore TM)  
Option 3 = Field weigh of soil

\* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit    RL = Reporting Limit    Blank = Laboratory Method Blank

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved?  
(YES) NO - Details Attached

Was blank correction applied as a significant modification of the method?  
YES (NO)

Were any significant modifications to the EPH method made?  
(NO) YES - Details Attached

Reviewed By *Paul M. F.*



# Meritech Inc.

Environmental Laboratories  
A Division of Water Technology and Controls

Client Name	<u>Paragon Environmental Consultants, Inc.</u>	Laboratory Name	<u>MERITECH, INC.</u>
Project Name	<u>P-591 B</u>	NC Certification # (Lab)	<u>#165</u>
Site Location	<u>Waldron Residence</u>	Sample Matrix	<u>Soil</u>

## VPH (Aliphatics/Aromatics) Sample Information and Analytical Results

Method for Ranges: MADEP VPH  VPH Surrogate Standards Aliphatic: 2,5-Dibromtoluene Aromatic: 2,5-Dibromtoluene		Sample Identification			WW	PB
		Lab Identification			120705122	120705123
		Collection Option (for soil)*			1	1
		Date Collected			12/06/05	12/06/05
		Date Received			12/07/05	12/07/05
		Date Extracted			12/13/05	12/13/05
		Date Analyzed			12/13/05	12/13/05
		% Dry Solids			77%	61%
		Dilution Factor			N/A	N/A
		Hydrocarbon Ranges	Units of Measure	MDL	RL	Blank
C5 - C8 Aliphatics*	mg/kg	2.05	10.0	< 10.0	< 10.0	<10.0
C9 - C12 Aliphatics*	mg/kg	2.08	10.0	< 10.0	< 10.0	<10.0
C9- C10 Aromatics*	mg/kg	1.52	10.0	< 10.0	< 10.0	<10.0
Sample Surrogate Acceptance Range				70 - 130%	70 - 130%	70 - 130%
Aromatic Surrogate % Recovery - PID				108%	88%	97%
Aliphatic Surrogate % Recovery - FID				121%	100%	109%

\* Option 1 = Establish fill line on vial    Option 2 = Sampling Device (indicate brand, e.g.EnCore TM)  
Option 3 = Field weigh of soil

\* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit    RL = Reporting Limit    Blank = Laboratory Method Blank

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved?  
(YES) NO - Details Attached

Was blank correction applied as a significant modification of the method?  
YES (NO)

Were any significant modifications to the EPH method made?  
(NO) YES - Details Attached

Reviewed By

# Meritech Inc.

## Environmental Laboratories

A Division of Water Technology and Controls

Client Name	<u>Paragon Environmental Consultants, Inc.</u>	Laboratory Name	<u>MERITECH, INC.</u>
Project Name	<u>P-591 B</u>	NC Certification # (Lab)	<u>#165</u>
Site Location	<u>Waldron Residence</u>	Sample Matrix	<u>Soil</u>

### EPH (Aliphatics/Aromatics) Sample Information and Analytical Results

Method for Ranges: MADEP EPH		Sample Identification			NW	SW
		Lab Identification			120705119	120705120
EPH Surrogate Standards		Date Collected			12/06/05	12/06/05
Aliphatic: Chlorooctadecane		Date Received			12/07/05	12/07/05
Aromatic: o-Terphenyl		Date Extracted			12/09/05	12/09/05
EPH Fractionation Surrogates		Date Analyzed			12/16/05	12/16/05
#1:	2-Fluorobiphenyl	% Dry Solids			67%	62%
#2:	2-Bromonaphthalene	Dilution Factor			N/A	N/A
Hydrocarbon Ranges   Units of Measure		MDL	RL	Blank		
C9 - C18 Aliphatics*	mg/kg	2.006	10.0	< 10.0	< 10.0	< 10.0
C19 - C36 Aliphatics*	mg/kg	1.246	10.0	< 10.0	< 10.0	< 10.0
C11- C22 Aromatics*	mg/kg	3.041	10.0	< 10.0	< 10.0	< 10.0
Sample Surrogate Acceptance Range				40 - 140%	40 - 140%	40 - 140%
Aliphatic Surrogate % Recovery				64%	61%	62%
Aromatic Surrogate % Recovery				85%	82%	79%
Fractionation Surrogate Acceptance Range				40 - 140%	40 - 140%	40 - 140%
Fractionation Surrogate #1 % Recovery				90%	91%	88%
Fractionation Surrogate #2 % Recovery				88%	88%	89%

\* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.  
\*\* Surrogate diluted out / matrix interference.  
MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved?

(YES) NO - Details Attached

Was blank correction applied as a significant modification of the method?

YES (NO)

Were any significant modifications to the EPH method made?

(NO) YES - Details Attached

Reviewed By



# Meritech Inc.

Environmental Laboratories  
A Division of Water Technology and Controls

Client Name	<u>Paragon Environmental Consultants, Inc.</u>	Laboratory Name	<u>MERITECH, INC.</u>
Project Name	<u>P-591 B</u>	NC Certification # (Lab)	<u>#165</u>
Site Location	<u>Waldron Residence</u>	Sample Matrix	<u>Soil</u>

## EPH (Aliphatics/Aromatics) Sample Information and Analytical Results

Method for Ranges: MADEP EPH		Sample Identification			EW	WW
EPH Surrogate Standards		Lab Identification			120705121	120705122
Aliphatic: Chlorooctadecane		Date Collected			12/06/05	12/06/05
Aromatic: o-Terphenyl		Date Received			12/07/05	12/07/05
EPH Fractionation Surrogates		Date Extracted			12/09/05	12/09/05
#1: 2-Flourobiphenyl		Date Analyzed			12/16/05	12/16/05
#2: 2-Bromonaphthalene		% Dry Solids			71%	77%
		Dilution Factor			N/A	N/A
Hydrocarbon Ranges	Units of Measure	MDL	RL	Blank		
C9 - C18 Aliphatics*	mg/kg	2.006	10.0	< 10.0	< 10.0	< 10.0
C19 - C36 Aliphatics*	mg/kg	1.246	10.0	< 10.0	< 10.0	< 10.0
C11- C22 Aromatics*	mg/kg	3.041	10.0	< 10.0	< 10.0	< 10.0
Sample Surrogate Acceptance Range				40 - 140%	40 - 140%	40 - 140%
Aliphatic Surrogate % Recovery				64%	65%	64%
Aromatic Surrogate % Recovery				85%	80%	96%
Fractionation Surrogate Acceptance Range				40 - 140%	40 - 140%	40 - 140%
Fractionation Surrogate #1 % Recovery				90%	88%	107%
Fractionation Surrogate #2 % Recovery				88%	86%	106%

\* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.  
 \*\* Surrogate diluted out / matrix interference.  
 MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved?  
(YES) NO - Details Attached

Was blank correction applied as a significant modification of the method?  
YES (NO)

Were any significant modifications to the EPH method made?  
(NO) YES - Details Attached

Reviewed By *Paul Merit*



# Meritech Inc.

**Environmental Laboratories**  
A Division of Water Technology and Controls

Client Name	<u>Paragon Environmental Consultants, Inc.</u>	Laboratory Name	<u>MERITECH, INC.</u>
Project Name	<u>P-591 B</u>	NC Certification # (Lab)	<u>#165</u>
Site Location	<u>Waldron Residence</u>	Sample Matrix	<u>Soil</u>

## EPH (Aliphatics/Aromatics) Sample Information and Analytical Results

Method for Ranges: MADEP EPH		Sample Identification			PB	
EPH Surrogate Standards		Lab Identification			120705123	
Aliphatic: Chlorooctadecane		Date Collected			12/06/05	
Aromatic: o-Terphenyl		Date Received			12/07/05	
EPH Fractionation Surrogates		Date Extracted			12/09/05	
#1: 2-Flourobiphenyl		Date Analyzed			12/16/05	
#2: 2-Bromonaphthalene		% Dry Solids			61%	
Hydrocarbon Ranges		Dilution Factor			N/A	
Units of Measure		MDL	RL	Blank		
C9 - C18 Aliphatics*	mg/kg	2.006	10.0	< 10.0	< 10.0	
C19 - C36 Aliphatics*	mg/kg	1.246	10.0	< 10.0	< 10.0	
C11- C22 Aromatics*	mg/kg	3.041	10.0	< 10.0	< 10.0	
Sample Surrogate Acceptance Range				40 - 140%	40 - 140%	
Aliphatic Surrogate % Recovery				64%	59%	
Aromatic Surrogate % Recovery				85%	76%	
Fractionation Surrogate Acceptance Range				40 - 140%	40 - 140%	
Fractionation Surrogate #1 % Recovery				90%	86%	
Fractionation Surrogate #2 % Recovery				88%	88%	

\* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.  
 \*\* Surrogate diluted out / matrix interference.  
 MDL = Method Detection Limit    RL = Reporting Limit    Blank = Laboratory Method Blank

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved?  
(YES) NO - Details Attached

Was blank correction applied as a significant modification of the method?  
YES (NO)

Were any significant modifications to the EPH method made?  
(NO) YES - Details Attached

Reviewed By *Dave Murt*



# MERITECH, INC.

ENVIRONMENTAL LABORATORIES

A Division of Water Technology and Controls, Inc.

Client: Paragon Environmental Consultants, Inc.  
Project: P-591 B Waldron Residence  
Analyst: CWL  
Report Date: 12/16/05

## Total Petroleum Hydrocarbons

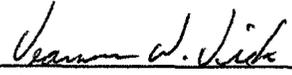
Meritech #	Sample # (Location)	Sample Date	Matrix	Date Analyzed	DRO - 3550/8015 (mg/kg)		GRO - 5030/8015 (mg/kg)	
120705124	X-1 Stock Pile	12/06/05	S	12/12/05 12/14/05	Diesel	7,190	Gasoline	<10.0

Ditution Factor 100x

- S = Soil
- W = Water
- DRO = Diesel Range Organics
- GRO = Gasoline Range Organics

A.N.R = Analysis Not Requested.

I hereby certify that I have reviewed and approve these data.

  
Laboratory Representative



**MERITECH, Inc.**  
 642 Tamco Road  
 Reidsville, NC 27320  
 tel. (336) 342-4748  
 fax. (336) 342-1522

**PGI PARAGON**  
 Environmental Consultants, Inc.  
 P.O. Box 167  
 Thomasville, NC 27381  
 (836) 669-6037

MPDES#

Tel

Fax: (336) 476-7108

P.O.# P591B

Project# Waldron Residence

Attention: Brandon Moore

**Chain of Custody Record**

Sample Location/ID#	Date	Time	If Composite?		# of Comps.	Person Taking Sample (Signature)	Tests Required	Lab Use Only		
			Date	Time				Temp?	pH	Chlorine
Northern Well (NW)	12/6/05	11:30A			5	Methods 8260/8270 VPH/EPH	19	130		
South Well (SW)		1:20P			5	/	20			
East Well (EW)		11:45A			5	/	21			
West Well (WW)		11:50A			5	/	22			
Pit Bottom (PB)		12:00P			5	/	23			
Stack Pile (X-1)		10:50A			3	Methods 3550/5030	24			
Trip Blank					1	8260				
VPH Blank					1	VPH				

Method of Shipment:

- UPS
- Fed Ex
- Hand Delivery
- Other

Comments:

Royce Roberts 12-7-05 2:25

Relinquished by: Brandon Moore  
 Date: 12/6/05 Time: 3:00pm

Relinquished by: Royce Roberts  
 Date: 12/6/05 Time: 1:40

Relinquished by: Royce Roberts  
 Date: 12-7-05 2:25 Time: 12/7/05 2:25

Will these results be used for regulatory purposes? Yes  No

Received by: Royce Roberts

Date: 12/6/05 Time: 3:00pm

Received by: Royce Roberts

Date: 12-7-05 Time: 1:40

Received at lab by: HM Case  
 Date: 12/7/05 Time: 2:25

**APPENDIX C**

**STANDARD OPERATING PROCEDURES**

STANDARD OPERATING PROCEDURES  
PARAGON ENVIRONMENTAL CONSULTANTS, INC.

I. SOIL SAMPLE PROCEDURES

1. Collect all samples using disposable Latex gloves. Gloves are not to be re-used.
2. Place samples into laboratory supplied glassware following requirements for specific analysis.
3. Label samples with sample ID, date, time, and job number. Immediately place samples on ice or in refrigerator to be cooled to approximately 4 degrees Celsius.
4. Store all samples on ice or refrigerate until samples are delivered to the laboratory.
5. Complete a chain of custody record for samples to be submitted to laboratory. Sign and date the chain of custody when samples are relinquished in accordance with EPA chain of custody protocol.

II. GROUNDWATER SAMPLING

1. Use new disposable bailer and new nylon string to develop well and collect sample. Handle bailer and string with Latex gloves.
2. Develop well by removing 3 well volumes of water. Dispose of water in accordance with NCDENR guidelines.
3. Following well development obtain samples in laboratory supplied glassware following requirements for specific analysis.
4. Handle, store, and transport samples in same manner as for soil samples. See items I.3, I.4, and I.5 above.

III. EQUIPMENT CONTAMINATION

1. Decontaminate augers, split spoons, and other sampling equipment by the following procedure:
  - A. Soap and tap water wash
  - B. Tap water rinse
  - C. Distilled deionized water rinse
  - D. Isopropyl alcohol rinse
  - E. Distilled water rinse
2. Use new disposable sampling equipment whenever practical.

**APPENDIX D**

**SOIL DISPOSAL MANIFESTS**



**Soil Remedies, Inc.**  
**289 Wheely Lane . Mebane, NC 27302**  
**Phone: (336) 302-6904 . Fax: (336) 674-7136**

**NON HAZARDOUS WASTE MANIFEST**

JOB# 160      LOAD # 2      OF 2

**GENERATOR / SITE INFORMATION**

Generator / Site Name: Waldman Residence      Site Contact: Brandon Moore  
 Site Address: 206 Country Park Dr      Phone: (336) 669-6037  
 City / State / Zip: Greensboro, NC      Fax: (336) 476-7708

**DESCRIPTION OF MATERIAL**

**NON HAZARDOUS TPH SOIL**

Truck#: OK 98      Gross Weight: 67,440  
 Weight Ticket #: 17300749      Tare Weight: 32,000  
 Net Weight: 35,440      17.72 tons

\*All loads must be accompanied by a certified weight ticket, if you do not arrive with a weight ticket, you will not be allowed to unload your soil.

**TRANSPORTATION INFORMATION**

Transporter Name: OK Enterprise Inc  
 Phone: (336) 697-9447      Driver Name (Printed): Bobby

**DESIGNATED FACILITY**

**Soil Remedies, Inc.**

**289 Wheely Lane . Mebane, NC 27302 . Phone: (336) 302-6904 . Fax (336) 674-7136**

**GENERATOR'S CERTIFICATION:** I certify that the material(s) described above on this manifest are not subject to Federal Regulations for reporting proper disposal of hazardous waste.

Generator Signature \_\_\_\_\_

Date \_\_\_\_\_

[Signature]  
Transporter Signature \_\_\_\_\_

12-6-05  
Date \_\_\_\_\_

Authorized Designated Facility Representative \_\_\_\_\_

Date \_\_\_\_\_