

20 DAY REPORT

HIGH POINT FIRE STATION #3
CHESTNUT STREET
HIGH POINT, NORTH CAROLINA
GROUNDWATER INCIDENT: PENDING
FACILITY ID: N/A

MARCH 2, 2007

UST OWNER (NOT OPERATOR):

City of High Point
P. O. Box 230
High Point, NC 27261
Phone Number: (336) 883-8546

MAR - 2 2007

PROPERTY OWNER:

Same as UST owner

CONSULTANT:

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

RELEASE INFORMATION:

Date Discovered: 2/12/07
Estimated Quantity of Release: Unknown
Cause of Release: Spill
Source of Release: UST
Size and Contents: (1) 275 Gallon Heating Oil UST
Latitude: N 35° 57' 17" Longitude: W 80° 02' 00"

The 20 Day 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, L.G.
North Carolina License #1666



March 2, 2007

Tim McKinney, Director of Maintenance Operations
City of High Point
P. O. Box 230
High Point, NC 27261

MAR - 2 2007

Reference: 20 Day Report
High Point Fire Station #3
Chestnut Street
High Point, NC

Dear Mr. McKinney:

In accordance with the requirements of the current UST Section guidelines, contained herein is a 20 Day Report for the release which occurred at the above referenced facility. These activities have been conducted following a minor spill of petroleum which occurred in the vicinity of one 275 gallon heating oil underground storage tank (UST) during its removal. The soil remediation consisted of the excavation and disposal of approximately 9 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. McKinney, if you have questions regarding this report please contact our office.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Brandon Moore'.

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

R07-709

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SOIL CONTAMINATION REPORT

High Point Fire Station #3
Chestnut Street
High Point, NC

B. Site History

1. Introduction

The City of High Point owns a property on Chestnut Street immediately to the west of the intersection with Westchester Drive in High Point, NC. The subject property is being developed for the building of the new High Point Fire Station #3 facility. Figure 1 illustrates the location of this facility on the High Point West Quadrangle U.S.G.S. Topographic Map. The project site formerly contained three permanent structures which were used as residences. The middle house formerly located at the subject site formerly contained one 275 gallon heating oil UST which was used for heating this residence. Figure 2 illustrates the site layout and the former location of the UST. A minor amount of fuel was spilled during the grading operations at this site when the tank was encountered by grading equipment. Information regarding the ownership of the non-regulated UST which was formerly located at this facility is contained in Table 1.

Following discovery of the tank release, Paragon Environmental Consultants, Inc. was contracted by the City of High Point to perform soil remediation activities and confirmatory soil sampling and laboratory analyses in the area of the release from the 275 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 Causey Grading and Demolition of Asheboro, NC
- o Transportation of contaminated soil by A & D Environmental and Industrial Services, Inc. and disposal of the excavated material at Earthtec Environmental, Inc. in Sanford, NC
- o Collection of one soil sample from the vertical limit 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 February 12, 2007 personnel from Causey Grading removed the 275 gallon tank following its discovery during the grading of the project site. Appendix A contains a statement regarding the disposal of the UST formerly located at the subject property. Following the tank removal Causey Grading and Paragon attempted to remove the petroleum impacted soil which resulted from the fuel spillage. 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 4 feet. No wall samples were collected since the surface grade at the site is now almost level with the former tank bottom and the remedial pit was only 3½ feet deep in relation to the existing land surface. Appendix B contains a geologic log of excavation for the soil remediation activities at this facility.

The soil sample collected from base of the remedial excavation at the Fire Station #3 facility was analyzed by EPA Methods 8260 and 8270 as well as MADEP methods for Volatile Petroleum Hydrocarbons (VPH) and Extractable Petroleum Hydrocarbons (EPH). The in-situ soil sample from the bottom of the excavation were collected with the track-hoe bucket and was immediately placed into laboratory supplied glassware and placed on ice for transportation to the analytical laboratory utilizing EPA approved chain of custody procedures..

According to the laboratory analytical report no Method 8260 or 8270 compounds were detected in the pit bottom sample. C9-C18 Aliphatics and C19-C36 Aliphatics were reported at minor concentrations which were both below the lowest Maximum Soil Contaminant Concentrations (MSCCs). No other carbon fraction classes were detected in the in-situ soil sample. Based on the soil sample results from the vertical limit of the remedial excavation, no contamination above the lowest MSCCs remains in place at this facility.

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

2. Soil Disposal

A total of approximately 9 cubic yards (12.98 tons) of heating oil impacted soils were removed during site remediation activities on February 12, 2007. This material was transported by A & D Environmental and Industrial Services, Inc. to Earthtec Environmental, Inc.'s facility in Sanford, NC for treatment and disposal. A copy of the soil disposal manifest for this impacted material is contained as Appendix E.

3. Conclusions and Recommendations

3.A Conclusions and Recommendations

The soil remediation activities at the High Point Fire Station #3 facility 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 sampling of in-situ soils following the excavation activities were below the lowest MSCCs for EPA Methods 8260 and 8270 as well as MADEP methods for VPH and EPH.
- o A total of 12.98 tons of petroleum contaminated soil were removed from the area of the former heating oil UST. This material was transported by A & D Environmental to Earthtec Environmental, Inc.'s facility in Sanford, 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 the City of High Point 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.

TO NC HIGHWAY 68

CHESTNUT STREET

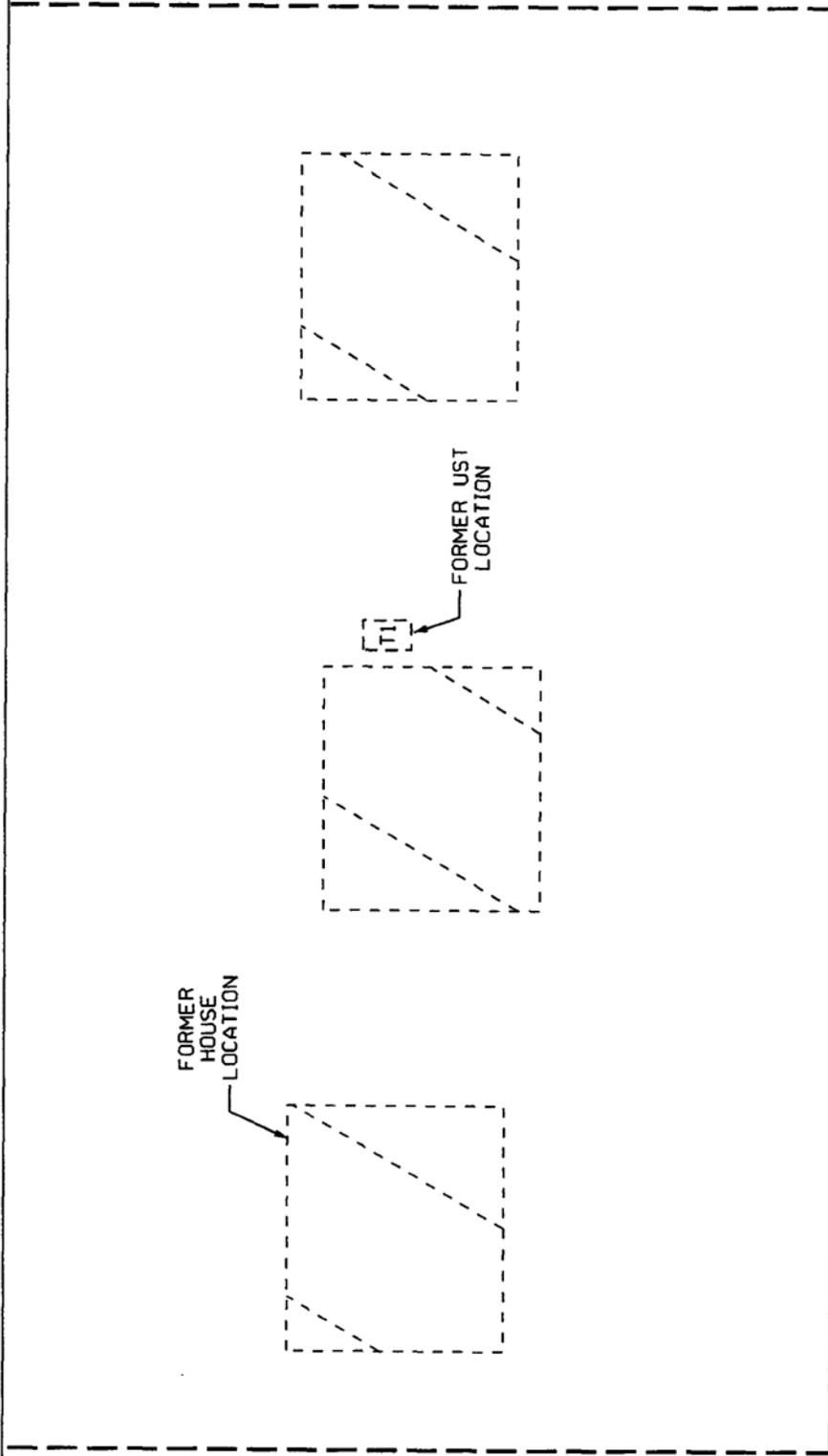


FIGURE 2

SCALE: NTS
DATE: 3/1/07
DWN. BY: KBM
DWG. NO.: L06-186

TITLE:
SITE LAYOUT AND
FORMER UST LOCATION

PROJECT: SOIL REMEDIATION
FIRE STATION #3
HIGH POINT, NC

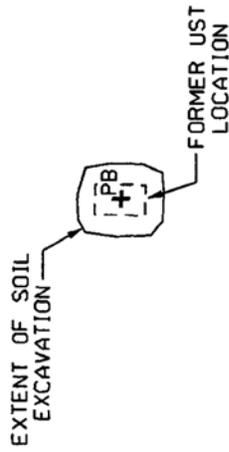
CLIENT:
CITY OF HIGH POINT
HIGH POINT, NC



PARAGON
ENVIRONMENTAL
CONSULTANTS, INC.
THOMASVILLE, NORTH CAROLINA

TO NC HIGHWAY 68 →

CHESTNUT STREET



LEGEND
+ SOIL SAMPLE LOCATION



FIGURE 3

SCALE: NTS
DATE: 3/1/07
DWN. BY: KBM
DWG. NO. L06-186A

TITLE:
REMEDIAL EXCAVATION AND
SOIL SAMPLE LOCATION

PROJECT:
SOIL REMEDIATION
FIRE STATION #3
HIGH POINT, NC

CLIENT:
CITY OF HIGH POINT
HIGH POINT, NC



PARAGON
ENVIRONMENTAL
CONSULTANTS, INC.
THOMASVILLE, NORTH CAROLINA

TABLE 1: SITE HISTORY

**HIGH POINT FIRE STATION #3
CHESTNUT STREET
HIGH POINT, NORTH CAROLINA**

Property Ownership:

City of High Point
P. O. Box 230
High Point, NC 27261

UST Ownership (Not operator):

Same as property owner

UST Information:

Tank No	Installation Date	Size (Gal)	Closure Date	UST Status	Tank Contents
T1	Unknown	275	February 12, 2007	Removed	Heating Oil

M07-709H

TABLE 2
Summary of Soil Laboratory Analytical Results
Fire Station #3
High Point, North Carolina

Constituent	PB	Lowest MSCC
Date	2/12/2007	
Method 8260 (mg/kg)		
n-Butylbenzene	BDL	4
sec-Butylbenzene	BDL	3
Ethylbenzene	BDL	0.24
Isopropylbenzene	BDL	2
p-Isopropyltoluene	BDL	NSE
Naphthalene	BDL	0.58
n-Propylbenzene	BDL	2
1,2,4-Trimethylbenzene	BDL	8
1,3,5-Trimethylbenzene	BDL	7
Toluene	BDL	7
Xylenes (total)	BDL	5
Method 8270 (mg/kg)		
Fluorene	BDL	44
2-Methylnaphthalene	BDL	3
Naphthalene	BDL	0.58
Phenanthrene	BDL	60
Aliphatic Fraction Classes (mg/kg)		
C5-C8 Volatile Aliphatics	BDL	72
C9-C12 Volatile Aliphatics	BDL	NSE
C9-C18 Extractable Aliphatics	46.6	NSE
C9-C18 Aliphatics (total)	46.6	3,255
C19-C36 Extractable Aliphatics	31.3	93,860
Aromatic Fraction Classes (mg/kg)		
C9-C10 Volatile Aromatics	BDL	NSE
C11-C22 Extractable Aromatics	BDL	NSE
C9-C22 Aromatics (total)	BDL	34

BDL = Below Detection Limits
 NSE = No Standard Established

APPENDIX A

TANK DISPOSAL MANIFEST



Timmy Causey Grading & Demolition
1299 Jerico Road Asheboro, N.C. 27205
Ph# (336) 625-8335 / Fax# (336) 625-0835
*Mobile # 240-6633 Nextel # 150*25*4629*
E-mail: causeydemolition@aol.com
EIN# 56-1613338

February 28, 2007
Attn: Brandon Moore
Fax # 476.7708

To Paragon,
I, Timmy Causey, will properly dispose of the fuel tank removed from the City of High Point Fire Station located at the corner of Westchester and Chestnut St. in High Point, NC.

Sincerely,


Timmy D. Causey

APPENDIX B

GEOLOGIC LOG OF EXCAVATION



APPENDIX C

SOIL ANALYTICAL RESULTS

MERITECH, INC.

Environmental Laboratories

A Division of Water Technology and Controls, Inc.



Client: Paragon Environmental Consultants **Meritech ID#:** 02130785
Project: Fire Station #3; P-709A **Analysis:** 02/22/07
Client Sample ID: Pit Bottom (PB) **Analyst:** CAH
Sample Collection: 02/12/07 **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
2-Chlorotoluene	< 0.005 mg/kg	1,1,1-Trichloroethane	< 0.005 mg/kg
4-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		
2,2-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

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax



MERITECH, INC.

Environmental Laboratories

A Division of Water Technology and Controls, Inc.

Client:	Paragon Environmental Consultants	Meritech ID#:	02130785TB
Project:	Fire Station #3; P-709A	Analysis:	02/22/07
Client Sample ID:	Trip Blank	Analyst:	CAH
Sample Collection:	02/12/07	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
2-Chlorotoluene	< 0.005 mg/kg	1,1,1-Trichloroethane	< 0.005 mg/kg
4-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		
2,2-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#:** 02130785
Project: Fire Station #3; P-709A **Analysis:** 02/20/07
Client Sample ID: Pit Bottom (PB) **Extraction:** 02/20/07
Sample Collection: 02/12/07 **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

Client Name	<u>Paragon Environmental Consultants, Inc.</u>	Laboratory Name	<u>MERITECH, INC.</u>
Project Name	<u>P-709 A</u>	NC Certification # (Lab)	<u>#165</u>
Site Location	<u>Fire Station #3</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	PB
		Lab Identification			Trip Blank	02130785
		Collection Option (for soil)*			1	1
		Date Collected			02/12/07	02/12/07
		Date Received			02/13/07	02/13/07
		Date Extracted			N/A	02/16/07
		Date Analyzed			02/16/07	02/16/07
		% Dry Solids			N/A	76%
		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				94%	97%	89%
Aliphatic Surrogate % Recovery - FID				92%	97%	89%

* 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.
** Surrogate recovery exceeds limits (70-130%).

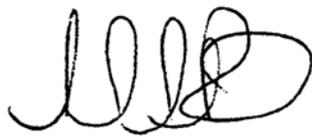
MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank

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 VPH 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-709 A</u>	NC Certification # (Lab)	<u>#165</u>
Site Location	<u>Fire Station # 3</u>	Sample Matrix	<u>Soil</u>

EPH (Aliphatics/Aromatics) Sample Information and Analytical Results

Method for Ranges: MADEP EPH		Sample Identification			PB
		Lab Identification			02130785
EPH Surrogate Standards		Date Collected			02/12/07
Aliphatic: Chlorooctadecane		Date Received			02/13/07
Aromatic: o-Terphenyl		Date Extracted			02/15/07
EPH Fractionation Surrogates		Date Analyzed			02/21/07
#1:	2-Flourobiphenyl	% Dry Solids			76%
#2:	2-Bromonaphthalene	Dilution Factor			N/A
Hydrocarbon Ranges	Units of Measure	MDL	RL	Blank	
C9 - C18 Aliphatics*	mg/kg	2.006	10.0	< 10.0	46.6
C19 - C36 Aliphatics*	mg/kg	1.246	10.0	< 10.0	31.3
C11- C22 Aromatics*	mg/kg	3.041	10.0	< 10.0	< 10.0
Sample Surrogate Acceptance Range				40 - 140%	40 - 140%
Aliphatic Surrogate % Recovery				75%	83%
Aromatic Surrogate % Recovery				117%	100%
Fractionation Surrogate Acceptance Range				40 - 140%	40 - 140%
Fractionation Surrogate #1 % Recovery				136%	106%
Fractionation Surrogate #2 % Recovery				141%	110%
* 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

APPENDIX D

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 E

SOIL DISPOSAL MANIFEST

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2007
JESSIE GODFREY 31785
INVALID UNLESS SIGNED

2007 02 13
2007 02 13
2007 02 13

NON-HAZARDOUS WASTE MANIFEST

Project Number: AD-07	Load Number: 1
Consultant: Causey Grading 1299 Jerico Rd. Hshelboro, NC	Contact: Timmy Causey Phone: 625 8335
Generator: City of High Point Chestnut St. High Point, NC	Contact: Timmy Causey Phone: 625 8335
Transporter: AD EMO Archdale, NC	Contact: Tim Parker Phone: 336 434 7700
Destination: Earthtec Environmental, Inc. 3145 Rosser Road, BearCreek, NC 27207	Contact: Scott Keller Phone: 919-774-4517 or 919/770-4258
Waste Description: Petroleum Soil	Waste Origination: underground ust diesel
Truck #: D-7	Gross Weight: 50940
	Tare Weight: 24980
	Net Weight: 25960

TOTAL
12.98

GENERATOR'S CERTIFICATION: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Generator / Agent Signature: Tim Parker Title: _____ Date: 2-13-07

Acknowledgment of Receipt of Material: [Signature] Driver's Signature: _____ Date: 2-13-07

Noted Discrepancies: _____
Inspected & Accepted (except as noted above) By: Earthtec Environmental, Inc.

Accepted By: [Signature] Date: 2-13-07