PHASE II ENVIRONMENTAL ASSESSMENT
AMERBELLE CORPORATION
104 EAST MAIN STREET
VERNON, CONNECTICUT

Prepared for:
Mr. Mark R. Sussman
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Prepared By:
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File No. 553-003
February 2004

GEODESIGN
INCORPORATED

GEOTECHNICAL ENGINEERS AND ENVIRONMENTAL CONSULTANTS

February 25, 2004
File No. 553-003

Mr. Mark R. Sussman
Murtha Cullina LLP
CityPlace I - 185 Asylum Street
Hartford, Connecticut 06103

Re: Phase II Environmental Site Assessment
Amerbelle Corporation
104 East Main Street
Vernon, CT

Dear Mr. Sussman:

Geo**Design**, Inc. (Geo**Design**) has performed a Phase II Environmental Site Assessment of the Amerbelle Corporation property located at 104 East Main Street in Vernon, Connecticut. The purpose of the subsurface assessment was to analyze samples of soil and groundwater to assess environmental impacts from known or suspected release areas. This report is subject to the appended Limitations.

We appreciate the opportunity to work with you. Please call if you have any questions.

Very truly yours,

Geo**Design**, Inc.

Timothy Carr, LEP
Manager of Environmental Services

for: Charles S. Sawyer, P.E., Ph.D.
Reviewer

M:CI/553/003/PHASE II REPORT.DOC

984 SOUTHFORD ROAD • MIDDLEBURY, CONNECTICUT 06762 • TELEPHONE: 203.758.8836 • FACSIMILE: 203.758.8842

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EXECUTIVE SUMMARY

Geo**Design**, Inc. has completed a Phase II Environmental Site Assessment of the Amerbelle Corporation property located at 104 East Main Street in Vernon, Connecticut. Amerbelle dyes, coats and finishes textiles for end users on two industrial parcels. The site has been used for textile dyeing and finishing operations since approximately 1865. Prior to this work, no other subsurface environmental sampling had reportedly been conducted at the site.

Site Description

The site consists of two separate parcels of land and building complexes, which are separated by Brooklyn Street. The southern-most parcel consists of 2.7-acres of land occupied by an approximately 54,500 square foot two-story brick building (Building 14) which houses Amerbelle's textile dyeing and finishing operations. The northern parcel consists of approximately 1.5-acres of land, which is occupied by an approximately 42,700 square foot mill complex, which houses Amerbelle's textile coating operations and industrial boiler systems and storage. Some of the buildings date to the 1860s. A canal or raceway flows primarily underground from the southeast corner to the north-central portion of the site. The raceway is part of the historic use of the Hockanum River to power textile mills that were constructed in the 1800's in this area.

The property is supplied with heat from industrial boilers located in the north-central portion of the property. Fuel oil is stored in two 20,000-gallon aboveground tanks. Three transformers are indicated to contain PCBs in the central portion of the site.

The site has an overall topographic relief of approximately 80-feet. The migration of groundwater beneath the site is expected to be controlled by the shallow elevation of the bedrock surface, the presence of the historic canal, and other historic drainage features. The groundwater underlying the site is classified as GB.

During the replacement of a sewer line in 1997, the Town of Vernon encountered dyed water in the excavation and inferred that the source of the water was Amerbelle's operations. A well/standpipe was installed by the town and was sampled as part of this study (designated W-1).

Subsurface Explorations

Five exterior soil borings (designated AM-1 through AM-5) and six interior soil borings (designated AM-6 through AM-11) were completed. The rationale for these borings is summarized on Table 1. The subsurface soils encountered generally consisted of red-brown fine to medium sand and gravel from the ground surface to the top of the inferred bedrock surface. The inferred bedrock surface was encountered between approximately 4 feet below grade to 19.5 feet below

grade. No significant soil staining or odors were noted in the subsurface samples collected. Low photoionization detector screening results were detected in field screening.

Groundwater was not encountered in six of the eleven borings completed to refusal. Where encountered, groundwater was present near the elevation of the bedrock surface between 8 to 18 feet below grade. The saturated thickness of overburden soils was 1.5 feet or less.

Soil Analytical Results

Phoenix Laboratories analyzed select samples for volatile organic compounds (VOCs); semi-volatile organic base-neutral compounds (BN-SVOCs); Formaldehyde and aniline; Extractable Total Petroleum Hydrocarbons (ETPH); polychlorinated biphenyls (PCBs) and, total antimony, arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver and zinc. The laboratory was requested to perform analysis of semi-volatile organic base-neutral compounds and identify a list of approximately twenty-four diazo-based dye components (referred to as tentatively identified compounds), including aniline, benzidine and chloroaniline from the gas chromatograph/mass spectroscopy results. The laboratory's results are summarized on Table 2.

- Low levels of VOCs were detected in five of the soil samples, consistent with the low photoionization detector readings. The concentrations were below the applicable remediation criterion.
- BN-SVOCs and tentatively identified compounds were not detected in the two soil samples analyzed.
- The R-DEC was exceeded in two of seven soil samples analyzed for ETPH (920 mg/kg and 770 mg/kg). There were no exceedances of the industrial/commercial criterion of 2,500 mg/kg.
- Formaldehyde was detected in samples AM-8/3-4' and AM-11/5-6' at 17 mg/kg and 9.3 mg/kg, respectively. The detection of formaldehyde represents an issue for additional evaluation. No state remedial standards have been established for formaldehyde in soil. Aniline was not detected in three soil samples analyzed.
- The R-DEC and I/C-DEC for arsenic (10 mg/kg) was exceeded in sample AM-1/1-3' at 122 mg/kg. The remedial criteria for the other metals analyzed were not exceeded.
- A composite soil sample (S-1) was obtained from the likely discharge point of the PCB containing transformers containment. No PCBs were detected.

Groundwater Sampling & Analytical Results

Groundwater samples from the four newly installed monitoring wells (with sufficient groundwater) and one town installed well (W-1) were analyzed for: volatile organic compounds (VOCs); semi-volatile organic base-neutral compounds (BN-SVOCs); Extractable Total Petroleum Hydrocarbons (ETPH); formaldehyde and aniline; and, dissolved metals. The results are summarized on Table 3.

- No VOCs were detected in groundwater at concentrations which exceeded remedial criteria.
- ETPH was detected in three wells ranging between 260 μg/l to 1,100 μg/l. A concentration over 1,000 μg/l is considered elevated but there are no applicable numeric remedial criteria for ETPH in a GB groundwater area. No hydrocarbon sheen was observed on the surface of the water purged from the wells during sampling.
- The town installed well (W-1) was sampled for BN-SVOCs. Relatively low levels of thirteen SVOCs and tentatively identified compounds were reported by the laboratory. Most of these compounds detected do not have established remedial criteria.
- All four groundwater monitoring wells and the town well were sampled for formaldehyde and aniline. No formaldehyde or aniline were detected.
- The default SWPC for arsenic (4 μg/l) and copper (48 μg/l) was exceeded in monitoring well AM-7 (11 μg/l and 82 μg/l, respectively). The SWPC for zinc (123 μg/l) was exceeded in the town installed well (W-1) at a concentration of 171 μg/l. An analysis of alternate SWPCs could be performed. No other remedial criteria were exceeded.

Summary and Conclusion

Based on the work performed and the analytical data obtained to date, no evidence of significant environmental contamination was identified at the locations explored. Some exceedances of remedial standards were identified in soil for petroleum hydrocarbons (Residential Direct Exposure Criteria) and arsenic (both Residential and Industrial/Commercial Direct Exposure Criteria). Exceedances of the default Surface Water Protection Criterion occurred in two water samples for the dissolved elements arsenic, copper and zinc.

Based on the long industrial history of the site and significant physical constraints, we were not able to perform sampling to adequately characterize all potential Areas of Concern, particularly in the northern portion of the site. Additional soil evaluations are warranted but access to some areas is very difficult. In addition, the limited thickness of the overburden aquifer makes the assessment of releases from Areas of Concern more difficult.

1.0 INTRODUCTION

Geo**Design**, Inc. (Geo**Design**) has completed a Phase II Environmental Site Assessment of the Amerbelle Corporation property located at 104 East Main Street in Vernon, Connecticut. The purpose of the subsurface assessment was to obtain samples of soil and groundwater to assess known or suspected release areas at the site.

Amerbelle dyes, coats and finishes textiles for end users on two industrial parcels. The site has been occupied by various companies that have performed textile dyeing and finishing since approximately 1865. Prior to this work, no other subsurface environmental sampling had reportedly been conducted at the site.

2.0 SITE DESCRIPTION

The site consists of two separate parcels of land and building complexes which are occupied by the Amerbelle Corporation and separated by Brooklyn Street. An Area Plan and a Site Plan are provided as Figures 1 and 2 in Appendix 1.

The southern-most parcel consists of 2.7-acres of land occupied by an approximately 54,500 square foot (footprint) two-story brick building (Building 14) which houses Amerbelle's textile dyeing and finishing operations. Building 14 was constructed in 1956. Building 14 is connected to an approximately 3,000 square foot building (Building 12) which was constructed between 1885 and 1892. Building 12 houses the maintenance shop and is used for storage. The parcel is adjoined by residential properties to the south; Grove Street and Paper Mill Pond to the east; Brooklyn Street to the north; and, Cedar Street to the west. A small dam of the Hockanum River at Grove Street forms Paper Mill Pond to the east of the site. From the dam, the river flows in a raceway beneath Grove Street, Building 14, Brooklyn Street, and, onto the northern Amerbelle parcel.

The northern parcel consists of approximately 1.5-acres of land which is occupied by an approximately 42,700 square foot mill complex which houses Amerbelle's textile coating operations and industrial boiler systems and storage. These buildings are primarily constructed of mortar and stone and brick. The mill complex is made up by buildings designated Building 1 through 9, 11 and 13 (see Figure 2 in Appendix 1).

The property is supplied with heat from industrial boilers located in the north-central portion of the property. The boilers burn fuel oil stored in two 20,000-gallon aboveground tanks located inside a steel building with concrete containment in the central portion of the site. Four oil-filled transformers are located inside a fenced enclosure, to the east of the fuel oil tanks. One transformer is marked as non-PCB containing. Three smaller transformers are indicated to contain PCBs.

A canal or raceway flows primarily underground from the southeast corner to the north-central portion of the site. The raceway is part of the historic use of the Hockanum River to power textile mills which were constructed in the 1800's in this area.

In 1997, the Town of Vernon replaced a sewer line within Brooklyn Street at the west-central portion of the site. While excavating the sewer line, the town encountered 90 °F colored water and inferred that the source of the water was Amerbelle's dying operations. The company and the Connecticut Department of Environmental Protection were notified and the town installed two to three 6-inch diameter PVC standpipes within the coarse backfill of the new sewer line. We confirmed the location of two of the standpipes with town representatives and measured approximately 14-inches of water in the bottom of one well. As summarized below, a sample of the water from the standpipe was obtained and designated "W-1". The results are summarized below in Section 4.

The ground surface of the site slopes downwards from the south to the north with an overall topographic relief of approximately 80-feet. Based on regional topography, geology and drainage considerations, the migration of groundwater beneath the site is expected to be controlled by the shallow elevation of the bedrock surface, the presence of the historic canal, and other historic drainage features. The bedrock surface is anticipated to be irregular but to generally slope downward towards the northwest.

2.1 SITE ENVIRONMENTAL SETTING

The Water Quality Classifications Map of Connecticut, Thames River, Pawcatuck River, and Southeast Coastal Basins (CT DEP, 1986), indicated the groundwater underlying the site is classified as GB. This indicated an area in which groundwater is known or presumed to be affected in quality by historic intense, urban, commercial and industrial development. Areas with GB groundwater are presumed to be provided with municipal water supply services.

The Surficial Materials Map of Connecticut (USGS, 1992) indicated the site is underlain by sand & gravel overlying sand. The map stated "Sand & gravel is generally less than 20-feet thick, horizontally bedded, and overlies thicker inclined layers of sand (deltaic deposits)". Just west of the site the map indicated "thin till". The thin till was described as generally less than 10-15 feet thick and includes areas of bedrock outcrop where the till is absent.

According to the *Bedrock Geology of the Rockville Quadrangle* (State Geological and Natural History Survey of Connecticut, 1955) the Glastonbury Gneiss underlies the site. The Glastonbury Gneiss is described as gray, medium to coarse-grained, well-foliated gneiss.

2.2 CONTAMINANTS OF CONCERN & APPLICABLE REMEDIATION STANDARDS

Based on our review of the history of textile dyeing and site uses, potential Contaminants of Concern (COCs) include volatile organic compounds (particularly toluene and xylenes), petroleum hydrocarbons, dye compounds (including diazo components of synthetic dyes) and metal elements. The first synthetic dyestuff was discovered in 1856 and was based on aniline. A diazotization process was developed in 1858. Based on this, the laboratory was requested to identify and quantify a list of approximately twenty-four diazo-based dye components, including aniline, benzidine and various diamene compounds. These compounds are referred to in this report and the laboratory data as tentatively identified compounds or TICs. Selected samples were also analyzed for formaldehyde and dimethyl formamide which are components of currently used dyeing, finishing or coating formulations.

Based on the site environmental setting and land use, the applicable remedial criteria for soil samples are the Residential and Industrial/Commercial Direct Exposure Criteria (R-DEC and I/C-DEC) and the Pollutant Mobility Criteria for GB Groundwater (GB-PMC). The applicable remedial criteria for groundwater are the Residential and Industrial/Commercial Volatilization Criteria (R-VC and I/C-VC) and the Surface Water Protection Criteria (SWPC).

3.0 SUBSURFACE SAMPLING & ANALYSES

Subsurface explorations were conducted in January 2004. The drilling program consisted of the completion of exterior borings using a truck-mounted hollow stem auger drill rig and interior borings using a skid-mounted solid stem auger drill rig. Boring locations are shown on Figure 2 and the boring logs are included in Appendix 2.

The rationale for the boring locations is summarized on Table in Appendix 1. Boring locations were selected to be proximate to potential Areas of Environmental Concern (e.g. former underground tanks, spills) and/or oil or chemical storage. Based on preliminary Phase I Site Assessment findings, there are numerous potential Areas of Concern due to former industrial operations, chemical storage and spills. However, there were also significant physical constraints posed by the presence of buildings, public access right-of-ways and underground utilities.

Eleven soil borings (designated AM-1 through AM-11) and five groundwater monitoring wells (AM-1, 3, 4, 5, and 7) were installed between January 22 and 31, 2004 by New England Boring Contractors of Glastonbury, Connecticut.

3.1 SOIL SAMPLING & ANALYSIS

On January 22, 2004 five exterior soil borings were completed using truck-mounted drilling equipment (designated AM-1 through AM-5). On January 23rd and 31st, 2004, a skid-mounted drill rig fitted with solid stem augers completed six interior soil borings (designated AM-6 through AM-11) at various accessible locations within the facility. Boring locations are shown on Figure 2 and boring logs are included in Appendix 2.

Soil samples were obtained using either a 2-inch diameter two-foot long split spoon sampler (exterior borings) or from the flights of the solid stem auger (interior borings). Low headroom and difficult subsurface conditions precluded the use of a GeoProbe or hollow stem augers for the interior borings.

A surficial soil sample (top two inches) was composited from frozen organic soils and debris at the outlet of a containment basin occupied by three PCB transformers. A significant quantity of ice and snow made the sampling difficult. The sample was designated S-1 and analyzed for PCBs.

3.2 SUBSURFACE CONDITIONS ENCOUNTERED

The subsurface soils encountered in the borings were generally consistent with the USGS maps described in Section 2.1. Boring logs are included in Appendix 2.

The subsurface soils encountered generally consisted of red-brown fine to medium sand and gravel from the ground surface to the top of the inferred bedrock surface. The inferred bedrock surface was encountered between approximately 4 feet below grade in boring AM-8 to 19.5 feet below grade in boring AM-4. No significant soil staining or odors were noted in the subsurface samples collected.

Groundwater was not encountered in six of the eleven borings completed (AM-2, AM-6, and AM-8 through AM-11). Where encountered, groundwater was present near the elevation of the bedrock surface between 8 to 18 feet below grade. The saturated thickness of overburden soils was approximately 1.5 feet or less.

3.2.1 Photoionization Detector Readings

Soil samples were screened in the field for the presence of volatile organic compounds using a calibrated photoionization detector (PID). PID screening results are summarized on the boring logs in Appendix 2 and ranged from none detected to 4.4 units (sample AM-11/5-6').

3.2.2 Monitoring Well Installations

Two-inch diameter flush mounted PVC monitoring wells were installed at the top of the inferred bedrock surface in borings AM-1, AM-3, AM-4, AM-5, and AM-7. The monitoring well screened sections were 5-feet to 10-feet long, depending on the total depth of the boring. Monitoring well construction details are provided on the boring logs.

3.3 SOIL ANALYTICAL RESULTS

Soil samples were delivered to Phoenix Laboratories in Manchester, Connecticut for analysis following chain of custody procedures. The analytical results are summarized below. Laboratory data sheets are attached in Appendix 3. Selected soil samples were analyzed for:

- Volatile organic compounds (VOCs) by EPA Method 8260 using EPA Method 5035 methanol preservation techniques (including identification of tentatively identified compounds);
- Semi-volatile organic base-neutral compounds by EPA Method 8270 (BN-SVOCs) including tentatively identified compounds;
- Formaldehyde and aniline;
- Extractable Total Petroleum Hydrocarbons (ETPH);
- Polychlorinated Biphenyls (PCBs); and,
- Total antimony, arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver and zinc.

3.3.1 Volatile Organic Compounds (VOCs)

Eight soil samples were selected for analysis of VOCs. The laboratory was also asked to note the presence of tentatively identified compounds in the samples. The soils were chosen for analysis based on exhibiting an elevated PID reading or potential release area.

The analytical results and remedial standards for soil are summarized on Table 2 in Appendix 1. Low levels of eight VOCs were detected in five of the soil samples. This is consistent with the low photoionization detector readings obtained in the field. Total xylenes were detected in AM-8/3-4' at 2.2 mg/kg. The concentrations of VOCs detected were below published remediation criteria.

3.3.2 Base Neutral Semi-Volatile Organic Compounds (BN-SVOCs)

Two soil samples were selected for analysis of BN-SVOCs (AM-8/3-4' and AM-11/5-6'). The laboratory was also asked to note the presence of tentatively identified compounds. The samples were selected based on their location beneath dyeing operations and wastewater conveyance systems.

As summarized in Table 2, no BN-SVOCs or tentatively identified compounds were detected in the samples.

3.3.3 Extractable Total Petroleum Hydrocarbons (ETPH)

Seven soil samples were selected for analysis of extractable total petroleum hydrocarbons (ETPH). Generally, the soils were chosen for analysis based on exhibiting an elevated PID reading or were located near a potential source of petroleum contamination.

The laboratory results are summarized in Table 2. ETPH was detected in five of seven soil samples analyzed. The R-DEC of 500 mg/kg was exceeded in AM-1/1-3' (920 mg/kg) and in AM-6/5-6' (770 mg/kg). There were no exceedances of the industrial/commercial criterion for TPH of 2,500 mg/kg.

3.3.4 Formaldehyde & Aniline

Soil samples obtained from below Building 14 (dyehouse) were selected for analysis of formaldehyde (two samples) and aniline (three samples).

As summarized on Table 2, formaldehyde was detected in samples AM-8/3-4' and AM-11/5-6' at 17 mg/kg and 9.3 mg/kg, respectively. The detection of formaldehyde represents an issue for additional evaluation. No state remedial standards have been established for formaldehyde in soil.

Aniline was not detected in the three soil samples analyzed.

3.3.5 Total Metal Elements

Eight soil samples were analyzed for total antimony, arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, and zinc. The soil samples were selected for analysis based on evidence of potential fill material (ash/slag).

Table 2 summarizes the analytical results. The R-DEC and I/C-DEC for arsenic (10 mg/kg) was exceeded in sample AM-1/1-3' at 122 mg/kg. The remedial criteria for the other metals analyzed were not exceeded.

Due to the relatively low concentrations of total metals reported, extraction testing to allow direct comparison to the Pollutant Mobility Criteria was not performed.

3.3.6 Polychlorinated Biphenyls (PCBs)

Composite sample S-1 was obtained from the likely discharge point if PCB transformers had leaked. No PCBs were detected in the sample.

4.0 GROUNDWATER SAMPLING & ANALYSES

The five groundwater monitoring wells were allowed to stabilize for approximately one week and low flow purging and sampling of groundwater was performed using a peristaltic pump and dedicated tubing. Due to a lack of sufficient saturated thickness and relatively poor groundwater recharge, the drawdown limits were exceeded and the wells purged dry. Although a monitoring well was installed in boring AM-5 at the top of the inferred bedrock surface, there was insufficient groundwater to allow for sampling.

The lack of sufficient saturated thickness and the volume of groundwater required to complete the desired number of analyses required that the monitoring wells be sampled over a period of three days (January 29 and 31, 2004). Five groundwater samples (four newly installed monitoring wells and one town installed well) were analyzed for:

- Volatile organic compounds by EPA Method 8260 and tentatively identified compounds;
- Semi-volatile organic base-neutral compounds by EPA Method 8270 and tentatively identified compounds;
- Extractable Total Petroleum Hydrocarbons (ETPH);
- Formaldehyde and aniline; and,
- Dissolved antimony, arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver and zinc.

4.1 pH & SPECIFIC CONDUCTANCE

The pH, specific conductance, and temperature of the groundwater in the four groundwater monitoring wells and the town installed well (W-1) were measured in the field using a calibrated Oakton-10 meter. The field measurements can be summarized as follows:

Well Designation	pH (S.U.)	Specific Conductance (uS)	Temp (Celsius)
AM-1	8.1	513	6.5
AM-3	8.1	517	6.4
AM-4	7.7	1,539	9.7
AM-7	10.7	224	13.0
W-1	9.10	2,390	13.1

The field measurements indicated elevated pH readings in wells AM-7 and W-1 and elevated specific conductance readings in AM-4 and W-1.

4.2 GROUNDWATER ANALYTICAL RESULTS

Groundwater samples were delivered to Phoenix Laboratories following chain of custody procedures. Laboratory data sheets are included in Appendix 4.

4.2.1 Volatile Organic Compounds (VOCs)

Samples from all four groundwater monitoring wells and the town well (W-1) were analyzed for VOCs. The 40-ml sample vials contained hydrochloric acid to retard biodegradation. The laboratory results are summarized on Table 3 in Appendix 1.

Chloroethane was detected in the town installed well (W-1) at a concentration of 120 μg/l, which is below the state's proposed R-VC remedial criterion of 12,000 μg/l. No other VOCs were detected in the five samples, including AM-3 which was located near the former underground xylenes storage tanks.

4.2.2 Extractable Total Petroleum Hydrocarbons (ETPH)

All four groundwater monitoring wells and the town well (W-1) were sampled for ETPH using one liter amber glass containers. As summarized on Table 3, ETPH was detected in three of five samples. The ETPH concentrations in monitoring wells AM-4, AM-7, and W-1 were 260 μg/l, 590 μg/l, and 1,100 μg/l, respectively. Although a concentration of 1,100 μg/l is considered elevated, there are no established numeric remedial criteria for ETPH in a GB groundwater area.

4.2.3 Base-Neutral Semi-Volatile Organic Compounds (BN-SVOCs)

The town installed well (W-1) was sampled for BN-SVOCs and the result is summarized on Table 3. This sample was selected based on the former presence of dye wastewater at this location and the lack of a groundwater monitoring well in the vicinity. The sample was collected in a one liter amber glass container.

Relatively low levels of thirteen SVOCs and tentatively identified compounds were reported by the laboratory. Most of these compounds detected do not have established remedial criteria.

4.2.4 Formaldehyde & Aniline

Five monitoring wells were sampled for formaldehyde and aniline. The samples were collected in one liter amber glass containers.

As summarized on Table 3, no formaldehyde or aniline were detected.

4.2.5 Dissolved Metals

All four groundwater monitoring wells and the town well (W-1) were sampled for dissolved metals. The laboratory was requested to perform the sample filtering through a 0.45 micron filter prior to preservation with nitric acid. The results can be compared to the default Surface Water Protection Criteria (SWPC) as follows:

	Sample Designation and Result (ug/l)					
Element	**AM-1**	**AM-3**	**AM-4**	**AM-7**	**W-1**	**SWPC**
Arsenic	<4	<4	<4	**11**	4	4
Barium	38	41	48	12	10	Not Est.
Chromium	<1	<1	<1	2	1	110
Copper	2	2	3	**82**	28	48
Lead	<1	<1	<1	8	1	13
Nickel	<2	3	3	<2	41	880
Zinc	4	9	5	9	**171**	123

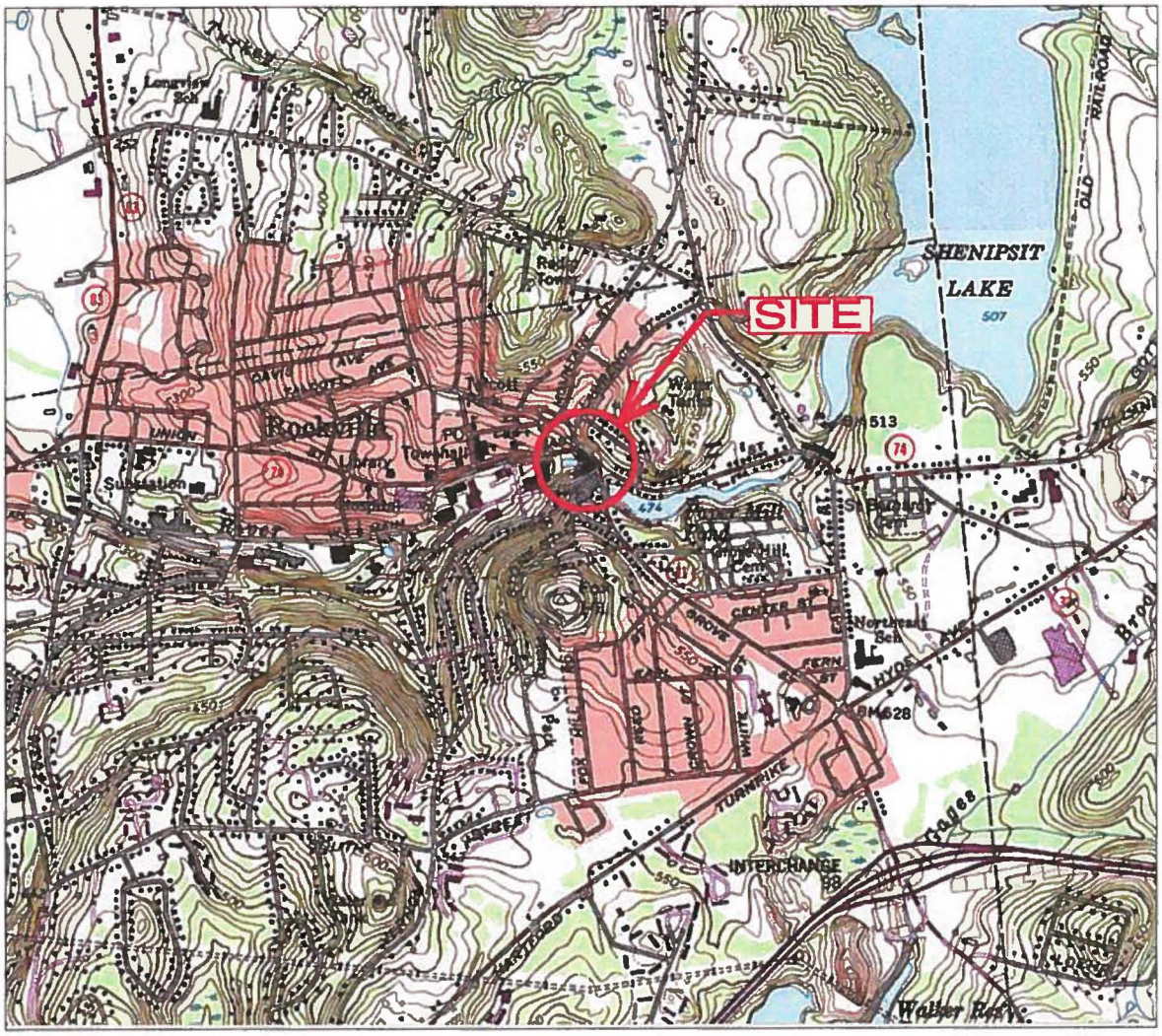
The default SWPC for arsenic (4 μg/l) and copper (48 μg/l) was exceeded in monitoring well AM-7 (11 μg/l and 82 μg/l, respectively). The default SWPC for zinc (123 μg/l) was exceeded in the town installed well (W-1) at a concentration of 171 μg/l. No other remedial criteria were exceeded. The potential exists to propose alternate Surface Water Criteria in accordance with the regulations.

5.0 SUMMARY & CONCLUSIONS

Based on the work performed and the analytical data obtained to date, no evidence of significant environmental contamination was identified at the locations explored. Some exceedances of remedial standards were identified in soil for petroleum hydrocarbons (Residential Direct Exposure Criteria) and arsenic (both Residential and Industrial/Commercial Direct Exposure Criteria). Exceedances of the default Surface Water Protection Criterion occurred in two water samples for the dissolved elements arsenic, copper and zinc.

Based on the long industrial history of the site and significant physical constraints, we were not able to perform sampling to adequately characterize all potential Areas of Concern, particularly in the northern portion of the site. Additional soil evaluations are warranted but access to some areas is very difficult. In addition, the limited thickness of the overburden aquifer makes the assessment of releases from Areas of Concern more difficult.

APPENDIX 1
FIGURES & TABLES



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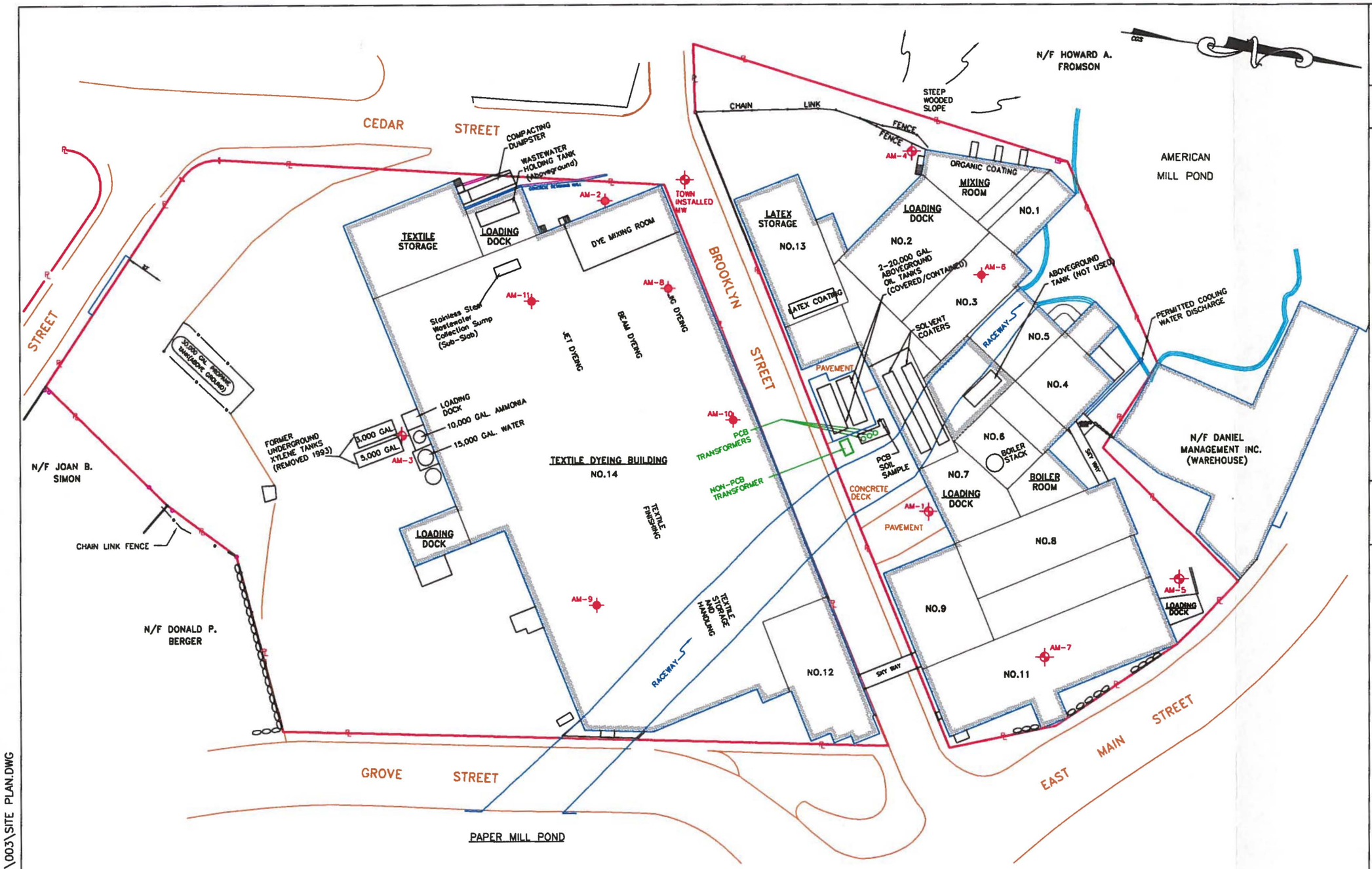
DRAWN BY: SMC | REVIEWED BY: TFC

AREA PLAN
AMERBELLE CORPORATION
104 EAST MAIN STREET
VERNON, CONNECTICUT

SCALE IN FEET
SCALE 1 = 24000
0 12000 24000 48000

PROJECT NO. 553-3.1
DATE: 2/3/04
FIGURE NO. 1

ACAD FILE No. M:\CL\0553\03\CAD\LOCUS PLAN.dwg



NOTES:
BASE MAP PROVIDED BY GARDNER & PETERSON ASSOCIATES, ENTITLED " PLAN OF LAND PROPOSED FOR AMERBELLE CORPORATION, VERNON, CT." DATED 3-17-95. ORIGINAL SCALE: 1" =40'.

SOURCES:
Plan of Land – Rockville . Conn. owned by The Estate of Lafayette Keeney Scale 1 in.= 40' ft. August 28, 1944. Merrill & Sears Civil Engineers Springfield – Mass.

Lands of M.T. Stevens + Sons Co. Hockanum Mills. Rockville, Conn. New England Property. Surveyed Sept. 1934, Scale:– 40 feet = 1 inch. C.H. Bancroft, Surveyor.

LEGEND

AM-2 BORING LOCATION AND DESIGNATION

AM-1 MONITORING WELL LOCATION AND DESIGNATION

REV. No.	DESCRIPTION	BY	DATE

GEODESIGN INCORPORATED
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SCALE IN FEET
1" = 60'
0' 30' 60' 120'

SITE PLAN
AMERBELLE CORPORATION
104 EAST MAIN STREET
VERNON, CONNECTICUT

DRAWN BY: SMC
REVIEWED BY: TFC

PROJECT No. 553-003

FIGURE No. 2

ACAD FILE No. M:\CL\553\003\SITE PLAN.DWG

TABLE 1
BORING LOCATION RATIONALE
Phase II Environmental Site Assessment
Amerbelle Corporation
104 East Main Street
Vernon, CT

Boring Designation	Location	Rationale for Location
AM-1	Loading dock on the south side of Building 7.	Area of chemical loading/unloading
AM-2	Near northwest corner of Building 14 and Dye Mixing Room	Near Building No. 14 Dye Mixing Room, loading dock and near location where dye water had been encountered by town
AM-3	South side of Building No. 14, near loading dock	Inferred downgradient and within area of influence of former 3,000-gallon & 5,000-gallon underground xylene storage tanks (removed in 1993 without closure sampling).
AM-4	Southwest corner of Building No. 1	Adjacent to Building 2 loading/unloading dock and the Organic Coating/Mixing room in Building 1
AM-5	Building Exterior, Building No. 11 Loading Dock	Area of chemical loading/unloading
AM-6	Building Interior, Building No. 3	Interior storage location within an old portion of the mill
AM-7	Building Interior, Building No. 11	In an area identified as the dyehouse prior to construction of Building 14
AM-8	Building Interior, Building No, 14, Jig Dyeing area	Area of Jig Dyeing machines and wastewater conveyance trenches
AM-9	Building Interior, Building No. 14, textile finishing area	Textile finishing area – location of finish frames and finishing chemical storage
AM-10	Building Interior, Building No. 14, textile finishing area	Inferred to be downgradient of several dyeing and finishing operations, assuming groundwater flow towards the canal
AM-11	Building Interior, Building No. 14, wastewater collection sump area	Located adjacent to wastewater conveyance trenches and the main collection sump

TABLE 2
SOIL ANALYTICAL RESULTS SUMMARY
AMERBELLE CORPORATION
104 EAST MAIN STREET
VERNON, CONNECTICUT

Analyte	Sample Designation and Result (mg/kg)														Remediation Criteria (mg/kg)		
	AM-1/ 1-3'	AM-1/ 3-5'	AM-3/ 3-5'	AM-3/ 5-7'	AM-4/ 3-5'	AM-4/ 5-7'	AM-5/ 3-5'	AM-5/ 9-11'	AM-6/ 5-6'	AM-7/ 3-5'	AM-8/ 3-4'	AM-9/ 5-7'	AM-11/ 1-3'	AM-11/ 5-6'	R-DEC	I/C-DEC	GB-PMC [2]
	Volatile Organic Compounds and TICs																
2,2,3,3-tetramethyl-Butane	NT	NT	ND	NT	ND	NT	NT	ND	0.26 (J)	NT	ND	ND	ND	ND	NE	NE	NE
2,2,5,5-tetrmethyl-Hexane	NT	NT	ND	NT	0.37 (J)	NT	NT	0.15 (J)	ND	NT	ND	ND	ND	ND	NE	NE	NE
2,2-dimethyl-Hexane	NT	NT	0.19 (J)	NT	ND	NT	NT	ND	ND	NT	ND	ND	ND	ND	NE	NE	NE
Cyclohexane	NT	NT	ND	NT	0.29 (J)	NT	NT	ND	ND	NT	ND	ND	ND	ND	NE	NE	NE
Ethylbenzene	NT	NT	< 0.18	NT	< 0.18	NT	NT	< 0.14	< 0.21	NT	0.35	< 0.2	< 0.13	< 0.17	500	1,000	10
Methyl isobutyl ketone (MIBK)	NT	NT	< 1	NT	< 1	NT	NT	< 1	< 1	NT	< 0.36	< 0.4	< 0.26	< 0.34	500	1,000	14
Toluene	NT	NT	< 0.18	NT	0.42	NT	NT	< 0.14	< 0.21	NT	< 0.18	< 0.2	< 0.13	< 0.17	500	1,000	67
Total Xylenes	NT	NT	< 0.18	NT	< 0.18	NT	NT	< 0.14	< 0.21	NT	2.2	< 0.2	< 0.13	< 0.17	500	1,000	20
	Semi-Volatile Organic Compounds and TICs																
TICs	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND			
	Extractable Total Petroleum Hydrocarbons																
ETPH	**920**	NT	240	NT	360	NT	< 10	NT	**770**	83	NT	< 10	NT	NT	500	2,500	2,500
	Miscellaneous Organic Compounds																
Aniline	NT	NT	NT	NT	NT	NT	NT	NT	NT	< 0.33	< 0.33	NT	NT	< 0.33	NE	NE	NE
Formaldehyde	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	17	NT	NT	9.3	NE	NE	NE
	Total Metal Elements																
Arsenic	3.97	**122**	NT	2.35	NT	5.63	NT	NT	NT	2.04	1.93	2.36	NT	1.93	10	10	NA
Barium	92	48.2	NT	43.9	NT	76.6	NT	NT	NT	114	113	60.5	NT	61.2	4,700	140,000	NA
Chromium	12.6	8.51	NT	11.8	NT	22.9	NT	NT	NT	16.4	28.4	15	NT	19.3	100 [3]	100 [3]	NA
Copper	20.1	19.7	NT	11.3	NT	27.1	NT	NT	NT	33.7	19.8	16.1	NT	15.1	2,500	76,000	NA
Lead	15.3	32.8	NT	20.8	NT	438	NT	NT	NT	40.3	13	28.5	NT	5.11	500	1,000	NA
Mercury	< 0.1	< 0.1	NT	< 0.1	NT	0.3	NT	NT	NT	0.11	< 0.1	< 0.1	NT	< 0.1	20	610	NA
Nickel	11.5	2.29	NT	7.41	NT	12.8	NT	NT	NT	8.66	12	8.42	NT	9.64	1,400	7,500	NA
Silver	0.762	< 0.5	NT	< 0.5	NT	< 0.5	NT	NT	NT	< 0.5	< 0.5	< 0.5	NT	< 0.5	340	10,000	NA
Zinc	26.8	15.4	NT	49.6	NT	73.4	NT	NT	NT	49	43.7	32.8	NT	22.4	20,000	610,000	NA

LEGEND:
NT = Not Tested
NE = None Established
ND = Not Detected
NA = Not Applicable
TICs = Tentatively Identified Compounds
J = J value indicates an estimated concentration that is below the quantification limit, but is present.
R-VC = Residential Volatilization Criteria
I/C-VC = Industrial/Commercial Volatilization Criteria
GB-PMC = Pollutant Mobility Criteria - GB Area

NOTES:
1. In general, only detected compounds are reported. Refer to the analytical data sheets for all analytes and detection limits.
2. The Pollutant Mobility Criteria for metal elements in soil can not be directly applied to mass analysis (total) results.
3. This standard assumes the more stringent DEC for hexavalent chromium.
4. Bolded data indicates exceedance of an applicable remediation standard.

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY
AMERBELLE CORPORATION
104 EAST MAIN STREET
VERNON, CONNECTICUT

Analyte	Sample Designation and Result (ug/l)					Remediation Criteria (ug/l)		
	AM-1	AM-3	AM-4	AM-7	W-1	R-VC	I/C-VC	SWPC
Volatile Organic Compounds and TICs								
Chloroethane	<5	<5	<5	<5	120	12,000(2)	29,000(2)	NE
Dimethyl Formamide (DMF)	<1000	<1000	<1000	<1000	<1000	NE	NE	NE
Methyl isobutyl ketone (MIBK)	<10	<10	<10	<10	<10	13,000(2)	50,000	NE
Semi-Volatile Organic Compounds and TICs								
1,4-Dichlorobenzene	NT	NT	NT	NT	14	1,400(2)	3,400(2)	26,000
1-[4-(2-benzoxazoly) 1H-Pyrrole-2,5-dione	NT	NT	NT	NT	54	NE	NE	NE
1-methoxy-4-octyl-Benzene	NT	NT	NT	NT	52	NE	NE	NE
2-Nonylphenol	NT	NT	NT	NT	120	NE	NE	NE
4-(2,2,4-trimethylpentyl)-Phenol	NT	NT	NT	NT	80	NE	NE	NE
4-chloro-2-(trifluoromethyl) Benzenamine	NT	NT	NT	NT	26	NE	NE	NE
4-Nonylphenol	NT	NT	NT	NT	130	NE	NE	NE
Aniline	<10	<10	<10	<10	<10	NE	NE	NE
Bis(2-ethylhexyl)phthalate	NT	NT	NT	NT	11	NE	NE	59
dodecyl-Phenol	NT	NT	NT	NT	190	NE	NE	NE
dodecyl-Phenol	NT	NT	NT	NT	210	NE	NE	NE
Fluoranthene	NT	NT	NT	NT	13	NE	NE	3,700
Formaldehyde	<100	<100	<100	<100	<100	NE	NE	NE
nonyl-Phenol	NT	NT	NT	NT	91	NE	NE	NE
Pyrene	NT	NT	NT	NT	12	NE	NE	110,000
Extractable Petroleum Hydrocarbons								
ETPH	<100	<100	260	590	1100	NE	NE	NE
Dissolved Metals								
Arsenic	<4	<4	<4	**11**	4	NE	NE	4
Barium	38	41	48	12	10	NE	NE	NE
Chromium	<1	<1	<1	2	1	NE	NE	110
Copper	2	2	3	**82**	28	NE	NE	48
Lead	<1	<1	<1	8	1	NE	NE	13
Nickel	<2	3	3	<2	41	NE	NE	880
Zinc	4	9	5	9	171	NE	NE	123

LEGEND:
NT = Not Tested
NE = None Established
TICs = Tentatively Identified Compounds
R-VC = Residential Volatilization Criteria
I/C-VC = Industrial/Commercial Volatilization Criteria
SWPC = Surface Water Protection Criteria

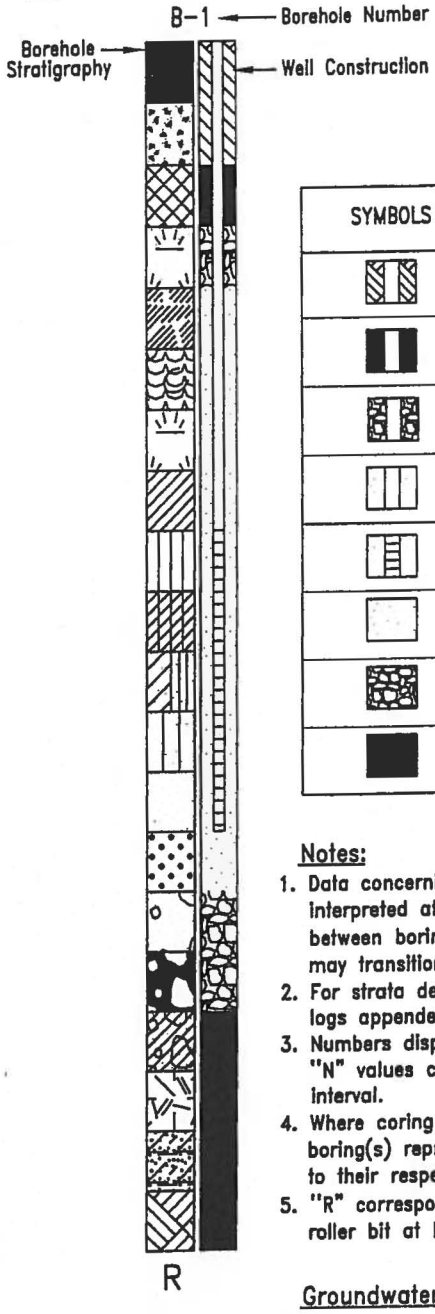
NOTES:
1. In general, only detected compounds are reported. Refer to the analytical data sheets for all analytes and detection limits.
2. Denotes the Proposed VC Standard (March 2003)
3. Bolded data indicates exceedance of remedial standard.

APPENDIX 2
BORING LOGS

STRATIGRAPHY SYMBOLS

SYMBOLS	TYPICAL DESCRIPTIONS OF PREDOMINENT MATERIAL TYPE
	ASPHALT
	CONCRETE
	FILL
	TOPSOIL
	SUBSOIL
	ORGANIC SILT OR CLAY WITH SHELLS
	PEAT
	CLAY
	SILT
	CLAY/SILT MIXTURE
	CLAY/SILT/SAND MIXTURE
	SILT/SAND MIXTURE
	POORLY-GRADED SAND
	WELL-GRADED SAND
	SAND/GRAVEL MIXTURE
	BOULDERS AND/OR COBBLES
	GLACIAL TILL
	DECOMPOSED BEDROCK
	SANDSTONE
	BEDROCK

EXPLANATION OF BORING



WELL SYMBOLS

SYMBOLS	TYPICAL DESCRIPTIONS
	CEMENT SEAL: 1 PIPE
	BENTONITE SEAL: 1 PIPE
	SLOUGH BACKFILL: 1 PIPE
	FILTER PACK: 1 PIPE
	SLOTTED PIPE WITH FILTER PACK: 1 PIPE
	FILTER PACK AT BOTTOM OF HOLE
	SLOUGH AT BOTTOM OF HOLE
	BENTONITE AT BOTTOM OF HOLE

Notes:

1. Data concerning the various strata have been interpreted at boring locations only. The stratigraphy between borings may vary from that shown, and may transition more gradually within borings.
2. For strata details, see Report and boring logs appended to this report.
3. Numbers displayed beside boring(s) represent SPT "N" values corresponding to their respective sampling interval.
4. Where coring was performed, numbers displayed beside boring(s) represent Recovery and RQD values corresponding to their respective sampling interval.
5. "R" corresponds to refusal of sampler, casing and/or roller bit at bottom of boring.

Groundwater Observations (where applicable)

▽ Water Level Reading at time of drilling.

▼ Water Level Reading after completing drilling.

GEODESIGN INCORPORATED

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SUBSURFACE PROFILE LEGEND

ACAD FILE No. M:\CL\FORMS\LEGEND.DWG

EXPLANATION OF THE FORM - BORING LOG

The following provides an explanation of the various fields on the Boring Log form.

BORING LOG HEADING

Project and Boring Details
Within the upper portion of the Boring Log, details with regards to the Project Name and Location, Boring Number, and Geo**Design**'s file number are provided. In addition, within the upper section of the Boring Log, the Drilling Company's name, and their representative, together with the name of Geo**Design**'s representative, are presented. Details with regards to the dates when the boring was drilled, its coordinates or other location references and the corresponding surface elevation may also be provided. Where applicable, the Datum used is provided in the text of the Report.

Casing and Sampler
This section provides a summary of the typical size of samplers and casings used, together with the type of drilling rig. See below for a description of samplers.

Groundwater Observations
Water levels typically indicated on the Boring Log are levels measured in the boring at the times indicated. In permeable materials, the indicated levels may reflect the location of groundwater. In low permeability soils and/or due to effects of the casing, the accurate determination of groundwater levels may not be possible with only short term observations.

CENTRAL PORTION OF BORING LOG

DEPTH
This column gives the depth scale of the boring, in feet or meters.

CASING BLOWS
Indicates the number of blows per foot (0.3 m) required to advance the casing, using a 136 kg (300-pound) hammer.

SAMPLE INFORMATION

The initial columns provide the sample number, sample type, penetration, recovery and sample depth. The Sample Type Coding is as follows:

A - Auger Sample
C - Core - Diamond Bit - NX double tube, unless otherwise noted.
PS- Undisturbed Piston - 3" (76 mm)
SS - Split-Barrel (Split-Spoon)
SSL - Large Split-Barrel - 3" (76 mm)
ST - Shelby Tube - 3" (76 mm)
V - Vane Test

Blows / 6 inch (0.15 meter) Interval
Representative soil samples were obtained in the boring by split-barrel sampling procedures in general accordance with ASTM D 1586. The split-barrel sampling procedure utilizes a standard 51 mm (2") outside diameter split-barrel sampler that is driven into the bottom of the boring with a 63.5 kg (140-pound) hammer falling a distance of 0.76 m (30"). The number of blows required to advance the sampler in 0.15 m (6") increments is recorded as part of the Standard Penetration Test (SPT). These values are indicated at their depth of occurrence.

The number of blows required to advance the split-barrel sampler the middle two - 0.15 m (6") increments of a 0.61 m (24") penetration is recorded as the Standard Penetration Resistance Value ("N").

Where the sampler advanced by Weight of Rods or Weight of Hammer, the designation WOR and WOH, respectively, was used. In the case of PS or ST samples, the designation PUSH was used.

Coring Time
This column provides the rate in minutes at which the core barrel was advanced into the bedrock (or boulder) in one foot (0.3 m) intervals.

PID Reading - Where Applicable
This column provides results for samples which were screened in the field with a photoionization detector for the presence of volatile organic compounds (including certain petroleum constituents) calibrated relative to benzene in air standard.

Moisture Content (%) - Where Applicable
This column provides moisture content determination results for the samples tested.

SAMPLE DESCRIPTION

This column provides a description of the soil and bedrock units, based on visual observation of the samples, sometimes in conjunction with field and laboratory tests. Each sample was generally described according to the following classification and terminology. In general, description of the soil units followed the Burmister classification system.

SOIL PROPERTIES & DESCRIPTIONS

TEXTURE*

Component		Size (mm)
CLAY		< 0.002 mm
SILT		< #200 Sieve (0.075 mm)
SAND		#200 to #4 Sieve (0.075 mm to 4.75 mm)
	Fine	#200 to #40 Sieve (0.075 mm to 0.425 mm)
	Medium	#40 to #10 Sieve (0.425 mm to 2.00 mm)
	Coarse	#10 to #4 Sieve (2.00 mm to 4.75 mm)
GRAVEL		#4 Sieve to 3 in (4.75 mm to 76 mm)
	Fine	#4 Sieve to 3/4 in (4.75 mm to 19 mm)
	Coarse	3/4 in to 3 in (19 mm to 76 mm)
COBBLES		3 in to 12 in (76 mm to 305 mm)
BOULDERS		> 12 in (305 mm)

*textural classification as determined by sieve and hydrometer analyses

COMPOSITION

Principal Component in Upper Case i.e. >50%
CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS

Minor Component Upper and Lower Case i.e.<50%
Clay, Silt, Sand, Gravel, Cobbles, Boulders

DESCRIPTIVE ADJECTIVE	PERCENTAGE REQUIREMENT
trace	<10 %
little	10 - 20 %
some	20 - 35 %
and	35 - 50 %

MOISTURE CONDITION

Dry	Absence of moisture, dusty
Moisture	Damp but no visible water
Wet	Visible free water

COHESIVE SOILS

ESTIMATED CONSISTENCY CLASSIFICATION ***	"N" Value
Very Soft	< 2
Soft	2 - 4
Medium	4 - 8
Stiff	8 - 15
Very Stiff	15 - 30
Hard	> 30

*** empirical relationship

COHESIONLESS SOILS

ESTIMATED COMPACTNESS DESCRIPTION ***	"N" Value
Very Loose	< 4
Loose	4 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	> 50

PLASTICITY - Burmister

Degree of Plasticity	Soil Type	Smallest Diameter of Thread**
Non-Plastic	SILT	None
Slight	Clayey SILT	1/4" (6 mm)
Low	SILT & CLAY	1/8" (3 mm)
Medium	CLAY & SILT	1/16" (1.6 mm)
High	Silty CLAY	1/32" (0.8 mm)
Very High	CLAY	1/64" (0.4 mm)

** moisture at or near optimum

STRUCTURE

Stratified,	>6 mm (1/4")
Laminated,	< 6 mm (1/4")
Parting,	0 to 1.6 mm (1/16")
Seam,	1.6 to 13 mm (1/2")
Layer,	13 to 305 mm (12")
Stratum,	> 305 mm (12")

BEDROCK PROPERTIES & DESCRIPTIONS

RECOVERY AND ROCK QUALITY DESIGNATION (RQD)

Recovery is defined as the length of core obtained expressed as a percentage of the total length cored.

RQD is defined as the total length of sound core pieces, 4 inches (100 mm) or greater in length, excluding drilling breaks, expressed as a percentage of the total length cored. RQD provides an indication of the integrity of the rock mass and relative extent of seams and bedding planes.

Classification	RQD %
Very Poor Quality	0 - 25
Poor Quality	25 - 50
Fair Quality	50 - 75
Good Quality	75 - 90
Excellent Quality	90 - 100

HARDNESS

TYPICAL ROCK TYPES		Moh's Hardness Scale
Hard	Cannot be scratched with knife	> 5.5
Moderately Hard	Can scratch with knife but not fingernail	5.5 - 2.5
Soft	Can be scratched with fingernail	< 2.5
SANDSTONE		
Well Cemented	Capable of scratching a knife blade	5.5 - 2.5
Cemented	Can be scratched with knife	< 2.5
Poorly Cemented	Can be broken apart easily with fingers	

WEATHERING

Fresh	No visible signs of weathering
Slightly Weathered	Slight discoloration of parent material in joints and seams
Moderately Weathered	Less than 35% of rock material is decomposed. Fresh or discolored rock is present.
Highly Weathered	More than 35% of rock material is decomposed. Fresh or discolored rock is present.
Extremely Weathered	All rock material is decomposed to soil. Rock mass structure may still be intact.

SPACING OF DISCONTINUITIES

Bedding	Jointing	Spacing (inches)	Spacing (mm)
Very Thick Bedded	Very Wide	>80	>2000
Thick Bedded	Wide	24 - 80	600 - 2000
Medium Bedded	Moderate	8 - 24	200 - 600
Thin Bedded	Close	2.4 - 8	60 - 200
Very Thin Bedded	Very Close	0.8 - 2.4	20 - 60
Laminated	Shattered	0.24 - 0.8	6 - 20
Thinly Laminated	Fissured	<0.24	<6

When classification of rock materials has been estimated from disturbed samples, core samples and petrographic analysis may reveal other rock types.

SYMBOL
This column provides a graphical representation of the soil and bedrock units, and inferred geological contacts. See Subsurface Profile Legend.

STRATA DESCRIPTION (ELEVATION/DEPTH)
This column gives the elevation and depth of inferred geological contacts together with a general description of the respective soil and bedrock units. Stratification lines represent approximate boundaries between material types, transitions may be gradual.

BORING LOG FOOTER

The lower portion of the log provides additional drilling notes within the Remarks section together with additional General Notes.

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BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-1
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company: New England Boring Contractors
Foreman: Mike St. John
GeoDesign Rep.: Alan Colwell
Date Started: January 22, 2004 Date Finished: January 22, 2004
N. Coordinate: E. Coordinate:
Ground Surface Elevation (feet):
Station: Offset: ft

	Casing:	Sampler:
Type:	H.S.A.	SS
I.D.:	4.25 in.	1.38 in.
Hammer Wt.:	NA	140 lbs
Hammer Fall:	NA	30 in.
Rig Type:	Truck	
Hammer Type:		

Groundwater Observations

Date	Depth (ft)	Elev. (ft)	Notes
1/22/04	11.8		In auger
1/29/04	10.3		

Sample Information

Depth (ft)	Casing Blows/ft	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0-6	6-12	12-18	18-24	Coring Time (min./ft)	PID Reading (ppm)
		1	SS	24.0	16.0	1.0	15	18	45	63		ND
		2	SS	24.0	13.0	3.0	29	30	16	18		ND
5		3	SS	24.0	14.0	5.0	10	6	7	8		ND
		4	SS	24.0	4.0	7.0	7	7	7	5		ND
10		5	SS	15.0	10.0	9.0	3	1	100/3"			ND
15												
20												
25												
30												

Strata Description (Depth & Elevation(feet))	Symbol	Sample Description (Classification System)
1.0 Asphalt & Basecoarse		
Fill		Very dense, brown/black fine to coarse SAND and GRAVEL, trace Silt (ash fragments and slag)
		Dense, brown/yellow/gray (banded) fine to coarse SAND, little fine Gravel, trace Silt
5.0 Sand & Gravel		Medium dense, red/brown fine to medium SAND, little fine to coarse Gravel, little Silt
		Medium dense, red/brown fine to medium SAND, little fine to coarse Gravel, little Silt
9.0 Sand & Silt		Very dense, brown fine to medium SAND, some Silt, trace fine to coarse Gravel (wet) (N. rock in tip)
10.3 Bedrock		
12.3 Bottom of Exploration at 12.3 ft		

Well Log

Remarks: Spoon refusal at 10.3 feet; HSA refusal at 10.9 feet; solid stem auger refusal at 12.3 feet below ground.
Installed 2" PVC well screen 7 to 12 feet below ground; Sand 5 to 12 feet below grade, bentonite chips 3 to 5 feet below ground, auger cuttings backfill, finished with curb box and cement collar.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected, N.R. = Not Recorded, N.A. = Not Applicable; O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring, N.R. = Not Recorded
3) Sample Type Coding: A = Auger; C = Core; G=Grab, PS = Piston Sampler; SS = Split Barrel (Split Spoon); ST = Shelby Tube; V = Vane; WOR = Weight of Rod
4) Proportions Used: Trace = 1-10%, Little = 10-20%; Some = 20-35%, And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

BORING LOG PID 12/19/03 LOGS.GPJ GEODESIGN PID.GDT 2/23/04

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BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-2
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company:	New England Boring Contractors		
Foreman:	Mike St. John		
GeoDesign Rep.:	Alan Colwell		
Date Started:	January 22, 2004	Date Finished:	January 22, 2004
N. Coordinate:		E. Coordinate:	
Ground Surface Elevation (feet):			
Station:		Offset:	ft

	Casing:	Sampler:
Type:	H.S.A.	SS
I.D.:	4.25 in.	1.38 in.
Hammer Wt.:	NA	140 lbs
Hammer Fall:	NA	30 in.
Rig Type:	Truck	
Hammer Type:		

Groundwater Observations

Date	Depth (ft)	Elev. (ft)	Notes
▼			
▼			
▼			
▼			

Sample Information

Depth (ft)	Casing Blows/ft	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	PID Reading (ppm)
		1	SS	24.0	18.0	1.0	30	22	18	11		ND
		2	SS	24.0	14.0	3.0	10	8	14	16		ND
5		3	SS	3.0	1.0	5.0	100/3"					ND
10												
15												
20												
25												
30												

Strata Description / Sample Description

Depth & Elevation(feet)	Strata Description	Symbol	Sample Description (Classification System:)
	Asphalt & Basecoarse Sand		
			Dense, red/brown fine to coarse SAND, some fine to coarse Gravel, trace Silt
			Medium dense, red/brown fine to medium SAND, little Silt
5.0	Bedrock		Very dense, gray fine to medium SAND and GRAVEL, trace Silt (weathered rock)
	Bottom of Exploration at 5.3 ft		

Remarks: Spoon refusal at 5.3 feet, solid stem auger refusal at 5.5 feet below ground. Backfilled with cuttings and cemented over hole with asphalt.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected; N.R. = Not Recorded; N.A. = Not Applicable; O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring; N.R. = Not Recorded
3) Sample Type Coding: A = Auger; C = Core; G=Grab; PS = Piston Sampler; SS = Split Barrel (Split Spoon); ST = Shelby Tube; V = Vane; WOR = Weight of Rod
4) Proportions Used: Trace = 1-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

Boring No.: AM-2

GEODESIGN INCORPORATED
Geotechnical Engineers and Environmental Consultants
984 Southford Road
Middlebury, Connecticut 06762
Telephone: 203-758-8836 Fax: 203-758-8842

BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-3
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company:	New England Boring Contractors		
Foreman:	Mike St. John		
GeoDesign Rep.:	Alan Colwell		
Date Started:	January 22, 2004	Date Finished:	January 22, 2004
N. Coordinate:		E. Coordinate:	
Ground Surface Elevation (feet):			
Station:		Offset: ft	

	Casing:	Sampler:
Type:	H.S.A.	SS
I.D.:	4.25 in.	1.38 in.
Hammer Wt.:	NA	140 lbs
Hammer Fall:	NA	30 in.
Rig Type:	Truck	
Hammer Type:		

Groundwater Observations			
Date	Depth (ft)	Elev. (ft)	Notes
1/29/04	12.7		

Depth (ft)	Casing Blows/ft	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	PID Reading (ppm)
		1	SS	3.0	3.0	1.0	100/3"					ND
		2	SS	24.0	4.0	3.0	5	4	3	3		0.2
5		3	SS	24.0	14.0	5.0	3	3	3	4		ND
		4	SS	24.0	1.0	7.0	7	7	6	5		ND
10		5	SS	24.0	1.0	9.0	4	3	3	5		ND
		6	SS	24.0	3.0	11.0	6	9	14	15		ND
		7	SS	19.0	16.0	13.0	9	10	13	50/1"		0.1
15												
20												
25												
30												

Strata Description (Depth & Elevation(feet))	Symbol	Sample Description (Classification System:)
1.0 Asphalt & Basecoarse		
(FILL) Sand & Gravel		Very dense, red/brown fine to coarse SAND and GRAVEL, little Silt
		Loose, red/brown fine to coarse SAND and GRAVEL, little Silt
		Loose, red/brown fine to coarse SAND, little fine to coarse Gravel, little Silt
		Medium dense, no recovery (Brick piece in tip of spoon)
		Loose, no recovery (Rock in tip of spoon)
		Medium dense, brown fine to coarse SAND, little fine to coarse Gravel, little Silt (wet)
13.0 Sand		Medium dense, brown fine to medium SAND, little Silt, trace fine Gravel (wet) (w. Bedrock in tip of spoon)
15.0 Bottom of Exploration at 15.0 ft		

Well Log

Remarks: Spoon refusal at 1 foot; solid stem augered through to 3 feet below ground (possible cobble).
Spoon refusal at 14.7 feet, Hollow Stem Auger refusal at 15 feet below ground.
Installed 2" PVC well screen from 14.5 to 9.5 feet below ground. Sand pack from 14.5 to 8 feet below ground, bentonite chips from 8 to 6 feet below ground, auger cuttings to 1 foot, curb box, cement collar 1 to 0 feet.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected, N. R. = Not Recorded, N.A. = Not Applicable; O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring, N.R. = Not Recorded
3) Sample Type Coding: A = Auger; C = Core; G=Grab, PS = Piston Sampler; SS = Split Barrel (Split Spoon); ST = Shelby Tube, V = Vane; WOR = Weight of Rod
4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

BORING LOG PID 12/19/03 LOGS.GPJ GEODESIGN PID.GDT 2/23/04

GEODESIGN INCORPORATED
Geotechnical Engineers and Environmental Consultants
984 Southford Road
Middlebury, Connecticut 06762
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BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-4
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company:	New England Boring Contractors		
Foreman:	Mike St. John		
GeoDesign Rep.:	Alan Colwell		
Date Started:	January 22, 2004	Date Finished:	January 22, 2004
N. Coordinate:		E. Coordinate:	
Ground Surface Elevation (feet):			
Station:		Offset: ft	

	Casing:	Sampler:
Type:	H.S.A.	SS
I.D.:	4.25 in.	1.38 in.
Hammer Wt.:	NA	140 lbs
Hammer Fall:	NA	30 in.
Rig Type:	Truck	
Hammer Type:		

Groundwater Observations			
Date	Depth (ft)	Elev. (ft)	Notes
▼ 1/29/04	18.1		
▼			
▼			
▼			

Depth (ft)	Casing Blows/ft	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	PID Reading (ppm)
		1	SS	24.0	3.0	1.0	50/3"					ND
		2	SS	24.0	5.0	3.0	2	2	1	2		0.3
5		3	SS	24.0	6.0	5.0	3	2	2	9		0.1
		4	SS	24.0	8.0	7.0	6	7	9	10		0.1
10		5	SS	24.0	13.0	9.0	11	13	19	19		ND
		6	SS	24.0	14.0	11.0	20	24	25	12		ND
		7	SS	24.0	15.0	13.0	12	14	15	15		ND
15		8	SS	24.0	3.0	15.0	24	18	16	15		ND
		9	SS	24.0	17.0	17.0	12	10	24	35		ND
20		10	SS	1.0	1.0	19.0	100/1"					ND
25												
30												

Strata Description: Depth & Elevation(feet)	Symbol	Sample Description: Classification System:
1.0 Asphalt & Basecoarse		
FILL Sand & Gravel		Very dense, brown fine to coarse SAND and GRAVEL, little Silt
		Loose, dark brown/black fine to coarse SAND, little fine Gravel, little Silt
		Loose, brown/black fine to coarse SAND and GRAVEL, little Silt (ash fragments/slag)
		Medium dense, red/brown fine to coarse SAND, some fine Gravel, little Silt
		Dense, red/brown fine to coarse SAND, trace fine to coarse Gravel, trace Silt
11.0 Silty Sand & Gravel		Dense, red/brown fine to coarse SAND and GRAVEL, little Silt
		Dense, red/brown fine to coarse SAND and GRAVEL, little Silt
		Dense, red/brown fine to coarse SAND and GRAVEL, little Silt
▼		Dense, brown fine to medium SAND, little fine Gravel, little Silt (wet)
19.5 Bottom of Exploration at 19.5 ft		Very dense, light brown fine to medium SAND, little Silt (weathered bedrock)

Well Log

Remarks: Spoon refusal at 19.1 feet; HSA refusal at 19.5 feet below ground.
Installed 2" PVC well screen from 19 to 9 feet below ground, sand pack 19 to 7.5 feet below ground, bentonite chips 7.5 to 5.5 feet below ground, auger cuttings to ground surface and flush mount curb box with cement collar.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected, N.R. = Not Recorded, N.A. = Not Applicable, O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring, N.R. = Not Recorded.
3) Sample Type Coding: A = Auger; C = Core, G=Grab; PS = Piston Sampler; SS = Split Barrel (Split Spoon); ST = Shelby Tube; V = Vane; WOR = Weight of Rod
4) Proportions Used: Trace = 1-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

Boring No.: AM-4

GEODESIGN INCORPORATED
Geotechnical Engineers and Environmental Consultants
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BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-5
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company:	New England Boring Contractors
Foreman:	Mike St. John
GeoDesign Rep.:	Alan Colwell
Date Started:	January 22, 2004
Date Finished:	January 22, 2004
N. Coordinate:	
E. Coordinate:	
Ground Surface Elevation (feet):	
Station:	
Offset:	ft

	Casing:	Sampler:
Type:	H.S.A.	SS
I.D.:	4.25 in.	1.38 in.
Hammer Wt.:	NA	140 lbs
Hammer Fall:	NA	30 in.
Rig Type:	Truck	
Hammer Type:		

Groundwater Observations			
Date	Depth (ft)	Elev. (ft)	Notes
1/29/04	Dry		

Sample Information

Depth (ft)	Casing Blows/ft	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	PID Reading (ppm)
		1	SS	24.0	14.0	1.0	85	33	10	7		0.1
		2	SS	24.0	12.0	3.0	3	3	3	3		0.2
5												
		3	SS	24.0	10.0	5.0	3	2	2	3		0.1
		4	SS	24.0	2.0	7.0	3	4	5	5		0.1
10		5	SS	24.0	12.0	9.0	3	2	4	5		0.3
		6	SS	24.0	7.0	11.0	8	6	7	100/3"		0.1
15												
20												
25												
30												

Strata Description / Sample Description

Depth & Elevation(feet)	Strata Description	Symbol	Sample Description (Classification System:)
1.0	Asphalt & Basecoarse		
	Silty Sand		Dense, brown fine to coarse SAND and GRAVEL, little Silt
			Loose, brown fine to medium SAND, some fine Gravel, little Silt
			Loose, brown fine to medium SAND, some fine Gravel, little Silt
			Loose, brown fine to medium SAND, some fine Gravel, little Silt (gravel in tip of spoon)
10.0			Loose, brown fine to medium SAND, trace fine Gravel, trace Silt
	Bedrock		
			Medium dense, gray fine to coarse GRAVEL, some fine to medium Sand, little Silt (wet)
12.5	Bottom of Exploration at 12.8 ft		

Well Log

Remarks: Split spoon and HSA refusal at 12.8 feet.
2" PVC well installed 12.5 to 7.5 feet, sand pack 12.5 to 5.5, bentonite chips 5.5 to 3.5, auger cuttings to ground surface, curb box and cement collar.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected, N.R. = Not Recorded, N.A. = Not Applicable, O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring, N.R. = Not Recorded
3) Sample Type Coding: A = Auger; C = Core; G=Grab, PS = Piston Sampler; SS = Split Barrel (Split Spoon), ST = Shelby Tube, V = Vane, WOR = Weight of Rod
4) Proportions Used: Trace = 1-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

Boring No.: AM-5

GEODESIGN INCORPORATED
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BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-6
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company:	New England Boring Contractors		
Foreman:	Mike St. John		
GeoDesign Rep.:	Alan Colwell		
Date Started:	January 23, 2004	Date Finished:	January 23, 2004
N. Coordinate:		E. Coordinate:	
Ground Surface Elevation (feet):			
Station:		Offset:	ft

	Casing:	Sampler:
Type:	S.S.A	
I.D.:	4.0 in.	in
Hammer Wt.:	NA	
Hammer Fall:	NA	
Rig Type:	Skid	
Hammer Type:		

Groundwater Observations			
Date	Depth (ft)	Elev. (ft)	Notes
▼			
▼			
▼			
▼			

Depth (ft)	Casing Blows/ft	Sample Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0-6	6-12	12-18	18-24	Coring Time (min./ft)	PID Reading (ppm)
		1				0.0						ND
		2				5.0						0.6
		3				6.0						0.4
		4				7.0						0.3
5												
10												
15												
20												
25												
30												

Strata Description (Depth & Elevation(feet)) / **Symbol**

- 1.0 – 1.8: Slab
- 2.8 – 5.0: Slab; Sand & Gravel
- 6.0 – 8.5: Slab; Sand & Gravel (Cobbles)
- 8.5: Possible Bedrock

Bottom of Exploration at 8.5 ft

Sample Description

Classification System:

Brown fine to medium SAND, some Silt, little fine to coarse Gravel (between & under slabs)

Remarks

SSA grinding (possible Slab) from 1 to 1.8 feet, 2.1 to 2.8 feet, and 5 to 6 feet. Difficult drilling 6 to 8 feet, grinding at 8.5 feet (possible bedrock).
Attempted to see down hole with light, hole collapsed to 6 feet below ground.
Samples obtained off SSA flights.
Abandoned hole with bentonite chips and cement surface seal.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected, N.R. = Not Recorded, N.A. = Not Applicable; O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring; N.R. = Not Recorded.
3) Sample Type Coding. A = Auger; C = Core; G=Grab; PS = Piston Sampler; SS = Split Barrel (Split Spoon); ST = Shelby Tube, V = Vane, WOR = Weight of Rod
4) Proportions Used. Trace = 1-10%, Little = 10-20%; Some = 20-35%, And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual

BORING LOG PID 12/19/03 LOGS.GPJ GEODESIGN PID.GDT 2/23/04

GEODESIGN INCORPORATED
Geotechnical Engineers and Environmental Consultants
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Telephone: 203-758-8836 Fax: 203-758-8842

BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-7
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company:	New England Boring Contractors
Foreman:	Mike St. John
GeoDesign Rep.:	Alan Colwell
Date Started:	January 23, 2004
Date Finished:	January 23, 2004
N. Coordinate:	
E. Coordinate:	
Ground Surface Elevation (feet):	
Station:	
Offset:	ft

	Casing:	Sampler:
Type:	S.S.A	
I.D.:	4.0 in.	in.
Hammer Wt.:	NA	
Hammer Fall:	NA	
Rig Type:	Skid	
Hammer Type:		

Groundwater Observations

Date	Depth (ft)	Elev. (ft)	Notes
1/29/04	8.0		

Sample Information

Depth (ft)	Casing Blows/ft	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	PID Reading (ppm)
						3.0						0.1
5												
						7.0						0.1
10												
						10.0						0.1
15												
20												
25												
30												

Strata Description (Depth & Elevation(feet))	Symbol	Sample Description (Classification System:)
Concrete Slab		
Sand & Gravel (Cobbles)		Brown fine to medium SAND, little fine to coarse Gravel, little Silt
11.0 Bottom of Exploration at 11.0 ft		

Well Log

Remarks:
Concrete slab approximately 0.5 feet thick.
Samples obtained off of SSA flights.
Difficult drilling throughout boring due to possible cobbles.
Hole collapsed to 9.5 feet before well installation.
Installed 2" PVC well at 9.5 to 4.5 feet, sand pack 9.5 to 3.0 feet. Bentonite chips 3 to 1 feet, concrete seal.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected, N.R. = Not Recorded, N.A. = Not Applicable; O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring, N.R. = Not Recorded
3) Sample Type Coding: A = Auger; C = Core; G=Grab; PS = Piston Sampler; SS = Split Barrel (Split Spoon); ST = Shelby Tube; V = Vane; WOR = Weight of Rod
4) Proportions Used: Trace = 1-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

BORING LOG PID 12/19/03 LOGS.GPJ GEODESIGN PID.GDT 2/23/04

GEODESIGN INCORPORATED
Geotechnical Engineers and Environmental Consultants
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Telephone: 203-758-8836 Fax: 203-758-8842

BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-8
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company:	New England Boring Contractors		
Foreman:	Mike St. John		
GeoDesign Rep.:	Alan Colwell		
Date Started:	January 31, 2004	Date Finished:	January 31, 2004
N. Coordinate:		E. Coordinate:	
Ground Surface Elevation (feet):			
Station:		Offset:	ft

	Casing:	Sampler:
Type:	S.S.A	
I.D.:	4.0 in.	in.
Hammer Wt.:	NA	
Hammer Fall:	NA	
Rig Type:	Skid	
Hammer Type:		

Groundwater Observations

Date	Depth (ft)	Elev. (ft)	Notes

Sample Information

Depth (ft)	Casing Blows/ft	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	PID Reading (ppm)
		1				3.0						3.9

Strata Description (Depth & Elevation(feet))	Symbol	Sample Description (Classification System:)
SLAB		
SAND, GRAVEL (COBBLES)		
4.0		Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
Bottom of Exploration at 4.0 ft		

Remarks:
Concrete slab approximately 0.5 feet thick.
Difficult drilling 1 foot to 4 feet below grade (cobbles).
SSA Refusal at 4 feet below grade (possible bedrock).
Samples obtained from SSA flights.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected, N.R. = Not Recorded, N.A. = Not Applicable; O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring, N.R. = Not Recorded
3) Sample Type Coding: A = Auger; C = Core; G=Grab; PS = Piston Sampler; SS = Split Barrel (Split Spoon); ST = Shelby Tube; V = Vane; WOR = Weight of Rod
4) Proportions Used: Trace = 1-10%, Little = 10-20%, Some = 20-35%, And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

BORING LOG PID 12/19/03 LOGS.GPJ GEODESIGN PID.GDT 2/23/04

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BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-9
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company:	New England Boring Contractors		
Foreman:	Mike St. John		
GeoDesign Rep.:	Alan Colwell		
Date Started:	January 31, 2004	Date Finished:	January 31, 2004
N. Coordinate:		E. Coordinate:	
Ground Surface Elevation (feet):			
Station:		Offset:	ft

	Casing:	Sampler:
Type:	S.S.A	
I.D.:	4.0 in.	in.
Hammer Wt.:	NA	
Hammer Fall:	NA	
Rig Type:	Skid	
Hammer Type:		

Groundwater Observations			
Date	Depth (ft)	Elev. (ft)	Notes

Depth (ft)	Casing Blows/ft	Sample Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	PID Reading (ppm)	Strata Description (Depth & Elevation(feet))	Symbol	Sample Description (Classification System:)
													SLAB		
													SAND, GRAVEL (COBBLES)		
						3.0						0.2			Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
5															
						5.0						1.4			Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
						7.0						0.7			Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
10															
						10.0						0.1			Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
													12.0		
													Bottom of Exploration at 12.0 ft		
15															
20															
25															
30															

Remarks

Concrete slab approximately 0.42 feet thick.
SSA Refusal at 12 feet (possible bedrock).
Samples obtained from SSA flights.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected; N.R. = Not Recorded; N.A. = Not Applicable; O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring, N.R. = Not Recorded
3) Sample Type Coding: A = Auger; C = Core; G=Grab; PS = Piston Sampler; SS = Split Barrel (Split Spoon); ST = Shelby Tube; V = Vane; WOR = Weight of Rod
4) Proportions Used: Trace = 1-10%, Little = 10-20%, Some = 20-35%; And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

Boring No.: AM-9

GEODESIGN INCORPORATED
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BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-10
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company: New England Boring Contractors
Foreman: Mike St. John
GeoDesign Rep.: Alan Colwell
Date Started: January 31, 2004 Date Finished: January 31, 2004
N. Coordinate: E. Coordinate:
Ground Surface Elevation (feet):
Station: Offset: ft

	Casing:	Sampler:
Type:	S.S.A	
I.D.:	4.0 in.	in.
Hammer Wt.:	NA	
Hammer Fall:	NA	
Rig Type:	Skid	
Hammer Type:		

Groundwater Observations			
Date	Depth (ft)	Elev. (ft)	Notes
▼			
▼			
▼			
▼			

Depth (ft)	Casing Blows/ft	Sample Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	PID Reading (ppm)	Strata Description (Depth & Elevation(feet))	Symbol	Sample Description (Classification System:)
													SLAB		
						1.0						0.4	SAND & GRAVEL (COBBLES)		Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
						3.0						0.2			Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
5						5.0						0.3			Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
													7.2		
													Bottom of Exploration at 7.2 ft		
10															
15															
20															
25															
30															

Remarks:
Concrete slab approximately 0.5 feet thick.
SSA Refusal at 7.2 feet below grade (possible bedrock).
Samples obtained from flights of SSA.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected, N.R. = Not Recorded, N.A. = Not Applicable; O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring; N.R. = Not Recorded.
3) Sample Type Coding: A = Auger; C = Core; G=Grab; PS = Piston Sampler; SS = Split Barrel (Split Spoon), ST = Shelby Tube, V = Vane; WOR = Weight of Rod
4) Proportions Used: Trace = 1-10%, Little = 10-20%; Some = 20-35%, And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

BORING LOG PID 12/19/03 LOGS.GPJ GEODESIGN PID.GDT 2/23/04

GEODESIGN INCORPORATED
Geotechnical Engineers and Environmental Consultants
984 Southford Road
Middlebury, Connecticut 06762
Telephone: 203-758-8836 Fax: 203-758-8842

BORING LOG

Project Name: Amerbelle Corporation, Vernon, CT

Boring No.: AM-11
Page No.: 1 of 1
File No.: 553-003.0
Checked By: TFC

Boring Company: New England Boring Contractors
Foreman: Mike St. John
GeoDesign Rep.: Alan Colwell
Date Started: January 31, 2004 Date Finished: January 31, 2004
N. Coordinate: E. Coordinate:
Ground Surface Elevation (feet):
Station: Offset: ft

	Casing:	Sampler:
Type:	S.S.A	
I.D.:	4.0 in.	in.
Hammer Wt.:	NA	
Hammer Fall:	NA	
Rig Type:	Skid	
Hammer Type:		

Groundwater Observations

Date	Depth (ft)	Elev. (ft)	Notes

Depth (ft)	Casing Blows/ft	Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	PID Reading (ppm)	Strata Description (Depth & Elevation(feet))	Symbol	Sample Description (Classification System)
													SLAB		
													SAND/GRAVEL (COBBLES)		
						1.0						3.8			Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
						3.0						1.4			Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
5															
						5.0						4.4			Red-brown fine to medium SAND, little Silt, little fine to coarse Gravel
						6.0						0.5	6.5		Gray-brown fine to medium SAND, little Silt, little fine to coarse Gravel
													Bottom of Exploration at 6.5 ft		
10															
15															
20															
25															
30															

Remarks:
Concrete slab approximately 0.5 feet thick.
SSA Refusal at 6.5 feet (possible bedrock).
Samples obtained from SSA flights.

Notes:
1) Soil Samples screened in the field using a Thermal Environmental Systems Model 580S Photoionization Detector. The meter was calibrated relative to a benzene in air standard. N.D. = None Detected, N.R. = Not Recorded, N.A. = Not Applicable, O.R. = Out of Range
2) Water level readings have been made at times and under conditions stated, fluctuations of groundwater may occur due to other factors than those present at the time measurements were made. A.C. = After coring; N.R. = Not Recorded.
3) Sample Type Coding: A = Auger; C = Core; G=Grab; PS = Piston Sampler; SS = Split Barrel (Split Spoon); ST = Shelby Tube; V = Vane; WOR = Weight of Rod
4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

Boring No.: AM-11

APPENDIX 3
LABORATORY DATA -SOIL

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report
February 02, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/22/04	8:04
Location Code:	GEODSIGN	Received by:	SW	01/26/04	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34453
Phoenix I.D.: AF34453

Laboratory Data

Client ID: AMERBELLE AM-1/1-3'

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	0.762	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Arsenic	3.97	1	mg/Kg	01/27/04		EK	6010/E200.7
Barium	92	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Cadmium	BDL	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Chromium	12.6	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Copper	20.1	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Mercury - Soil	BDL	0.10	mg/kg	01/27/04		RS	SW-7471
Nickel	11.5	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Lead	15.3	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Antimony	BDL	5	mg/Kg	01/27/04		EK	6010/E200.7
Selenium	BDL	2.5	mg/Kg	01/27/04		EK	6010/E200.7
Zinc	26.8	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Percent Solid	85		%	01/27/04		CD/	E160.3
Extraction of CT ETPH	Completed			01/26/04		A/B	3550/5030
Mercury Digestion	Completed			01/27/04		DM	SW7471
Total Metals Digest	Completed			01/26/04		AG	SW846 - 3050
TPH by GC (Extractable Products)							
Ext. Petroleum HC	920	10	mg/Kg	01/27/04		JRB	M8100CT
Identification	**		mg/Kg	01/27/04		JRB	M8100CT

Comments: **ND=Not detected BDL = Below Detection Limit RL=Reporting Limit**

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains discreet peaks in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 02, 2004

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 02, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/22/04	8:10
Location Code:	GEODSIGN	Received by:	SW	01/26/04	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34453
Phoenix I.D.: AF34454

Laboratory Data

Client ID: AMERBELLE AM-1/3-5'

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	BDL	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Arsenic	122	1	mg/Kg	01/27/04		EK	6010/E200.7
Barium	48.2	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Cadmium	BDL	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Chromium	8.51	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Copper	19.7	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Mercury - Soil	BDL	0.10	mg/kg	01/27/04		RS	SW-7471
Nickel	2.29	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Lead	32.8	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Antimony	BDL	5	mg/Kg	01/27/04		EK	6010/E200.7
Selenium	BDL	2.5	mg/Kg	01/27/04		EK	6010/E200.7
Zinc	15.4	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Percent Solid	91		%	01/27/04		CD/	E160.3
Mercury Digestion	Completed			01/27/04		DM	SW7471
Total Metals Digest	Completed			01/26/04		AG	SW846 - 3050

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 02, 2004

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 02, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/22/04	10:37
Location Code:	GEODSIGN	Received by:	SW	01/26/04	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34453
Phoenix I.D.: AF34455

Laboratory Data

Client ID: AMERBELLE AM-3/3-5'

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	01/27/04		CD/	E160.3
Extraction of CT ETPH	Completed			01/26/04		A/B	3550/5030
Field Extraction	Completed			01/22/04		GEO	SW5035
Volatile - Library Search	Completed			01/27/04		RM	8260/8021
TPH by GC (Extractable Products)							
Ext. Petroleum HC	240	10	mg/Kg	01/27/04		JRB	M8100CT
Identification	**		mg/Kg	01/27/04		JRB	M8100CT
Methyl isobutyl ketone	BDL	1000	ug/Kg	01/27/04		RM	SW8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1,1-Trichloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1,2-Trichloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloroethene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloropropene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2,3-Trichloropropane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2-Dichlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2-Dichloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260

Client ID: AMERBELLE AM-3/3-5' Phoenix I.D.: AF34455

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloropropane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,3-Dichlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,3-Dichloropropane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,4-Dichlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
2,2-Dichloropropane	ND	180	ug/Kg	01/27/04		RM	SW8260
2-Chlorotoluene	ND	180	ug/Kg	01/27/04		RM	SW8260
4-Chlorotoluene	ND	180	ug/Kg	01/27/04		RM	SW8260
Benzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Bromobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Bromochloromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Bromodichloromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Bromoform	ND	180	ug/Kg	01/27/04		RM	SW8260
Bromomethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Carbon tetrachloride	ND	180	ug/Kg	01/27/04		RM	SW8260
Chlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Chloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Chloroform	ND	180	ug/Kg	01/27/04		RM	SW8260
Chloromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
cis-1,2-Dichloroethene	ND	180	ug/Kg	01/27/04		RM	SW8260
cis-1,3-Dichloropropene	ND	180	ug/Kg	01/27/04		RM	SW8260
Dibromochloromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Dibromoethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Dibromomethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Dichlorodifluoromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Ethylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Hexachlorobutadiene	ND	180	ug/Kg	01/27/04		RM	SW8260
Isopropylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
m&p-Xylene	ND	180	ug/Kg	01/27/04		RM	SW8260
Methyl Ethyl Ketone	ND	2200	ug/Kg	01/27/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	180	ug/Kg	01/27/04		RM	SW8260
Methylene chloride	ND	360	ug/Kg	01/27/04		RM	SW8260
n-Butylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
n-Propylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Naphthalene	ND	180	ug/Kg	01/27/04		RM	SW8260
o-Xylene	ND	180	ug/Kg	01/27/04		RM	SW8260
p-Isopropyltoluene	ND	180	ug/Kg	01/27/04		RM	SW8260
sec-Butylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Styrene	ND	180	ug/Kg	01/27/04		RM	SW8260
tert-Butylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Tetrachloroethene	ND	180	ug/Kg	01/27/04		RM	SW8260
Toluene	ND	180	ug/Kg	01/27/04		RM	SW8260
Total Xylenes	ND	180	ug/Kg	01/27/04		RM	SW8260
trans-1,2-Dichloroethene	ND	180	ug/Kg	01/27/04		RM	SW8260

Client ID: AMERBELLE AM-3/3-5' **Phoenix I.D.: AF34455**

Parameter	Result	RL	Units	Date	Time	By	Reference
trans-1,3-Dichloropropene	ND	180	ug/Kg	01/27/04		RM	SW8260
Trichloroethene	ND	180	ug/Kg	01/27/04		RM	SW8260
Trichlorofluoromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Vinyl chloride	ND	180	ug/Kg	01/27/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	01/27/04		RM	SW8260
% Bromofluorobenzene	97		%	01/27/04		RM	SW8260
% Dibromofluoromethane	103		%	01/27/04		RM	SW8260
% Toluene-d8	104		%	01/27/04		RM	SW8260

Comments: **ND=Not detected BDL = Below Detection Limit RL=Reporting Limit**

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains discreet peaks in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 02, 2004

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AF34455

AM-3/3-5

ab Name: PHOENIX ENVIRONMENTAL Contract:

Lab Code: PHOEN Case No.: NA SAS No.: NA SDG No.: NA

atrix: (soil/water) soil Lab Sample ID: AF34455

Sample wt/vol: 13.9 (g/mL) g Lab File ID: 0126h23.d

evel: (low/med) med Date Received: 01/26/04

% Moisture: not dec. NA Date Analyzed: 01/27/04

C Column: DB624 ID: 0.18 (mm) Dilution Factor: 36

Soil Extract Volume: NA (mL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000590-73-8	Hexane, 2,2,-dimethyl-	2.63	190	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 02, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/22/04	10:38
Location Code:	GEODSIGN	Received by:	SW	01/26/04	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34453
Phoenix I.D.: AF34456

Laboratory Data

Client ID: AMERBELLE AM-3/5-7'

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	BDL	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Arsenic	2.35	1	mg/Kg	01/27/04		EK	6010/E200.7
Barium	43.9	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Cadmium	BDL	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Chromium	11.8	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Copper	11.3	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Mercury - Soil	BDL	0.10	mg/kg	01/27/04		RS	SW-7471
Nickel	7.41	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Lead	20.8	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Antimony	BDL	5	mg/Kg	01/27/04		EK	6010/E200.7
Selenium	BDL	2.5	mg/Kg	01/27/04		EK	6010/E200.7
Zinc	49.6	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Percent Solid	85		%	01/27/04		CD/	E160.3
Mercury Digestion	Completed			01/27/04		DM	SW7471
Total Metals Digest	Completed			01/26/04		AG	SW846 - 3050

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
February 02, 2004

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 02, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/22/04	13:03
Location Code:	GEODSIGN	Received by:	SW	01/26/04	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34453
Phoenix I.D.: AF34457

Laboratory Data

Client ID: AMERBELLE AM-4/3-5'

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	01/27/04		CD/	E160.3
Extraction of CT ETPH	Completed			01/26/04		A/B	3550/5030
Field Extraction	Completed			01/22/04		GEO	SW5035
Volatile - Library Search	Completed			01/27/04		RM	8260/8021
TPH by GC (Extractable Products)							
Ext. Petroleum HC	360	10	mg/Kg	01/27/04		JRB	M8100CT
Identification	**		mg/Kg	01/27/04		JRB	M8100CT
Methyl isobutyl ketone	BDL	1000	ug/Kg	01/27/04		RM	SW8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1,1-Trichloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1,2-Trichloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloroethene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloropropene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2,3-Trichloropropane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2-Dichlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,2-Dichloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260

Client ID: AMERBELLE AM-4/3-5' Phoenix I.D.: AF34457

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloropropane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,3-Dichlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
1,3-Dichloropropane	ND	180	ug/Kg	01/27/04		RM	SW8260
1,4-Dichlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
2,2-Dichloropropane	ND	180	ug/Kg	01/27/04		RM	SW8260
2-Chlorotoluene	ND	180	ug/Kg	01/27/04		RM	SW8260
4-Chlorotoluene	ND	180	ug/Kg	01/27/04		RM	SW8260
Benzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Bromobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Bromochloromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Bromodichloromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Bromoform	ND	180	ug/Kg	01/27/04		RM	SW8260
Bromomethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Carbon tetrachloride	ND	180	ug/Kg	01/27/04		RM	SW8260
Chlorobenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Chloroethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Chloroform	ND	180	ug/Kg	01/27/04		RM	SW8260
Chloromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
cis-1,2-Dichloroethene	ND	180	ug/Kg	01/27/04		RM	SW8260
cis-1,3-Dichloropropene	ND	180	ug/Kg	01/27/04		RM	SW8260
Dibromochloromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Dibromoethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Dibromomethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Dichlorodifluoromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Ethylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Hexachlorobutadiene	ND	180	ug/Kg	01/27/04		RM	SW8260
Isopropylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
m&p-Xylene	ND	180	ug/Kg	01/27/04		RM	SW8260
Methyl Ethyl Ketone	ND	2200	ug/Kg	01/27/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	180	ug/Kg	01/27/04		RM	SW8260
Methylene chloride	ND	360	ug/Kg	01/27/04		RM	SW8260
n-Butylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
n-Propylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Naphthalene	ND	180	ug/Kg	01/27/04		RM	SW8260
o-Xylene	ND	180	ug/Kg	01/27/04		RM	SW8260
p-Isopropyltoluene	ND	180	ug/Kg	01/27/04		RM	SW8260
sec-Butylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Styrene	ND	180	ug/Kg	01/27/04		RM	SW8260
tert-Butylbenzene	ND	180	ug/Kg	01/27/04		RM	SW8260
Tetrachloroethene	ND	180	ug/Kg	01/27/04		RM	SW8260
Toluene	420	180	ug/Kg	01/27/04		RM	SW8260
Total Xylenes	ND	180	ug/Kg	01/27/04		RM	SW8260
trans-1,2-Dichloroethene	ND	180	ug/Kg	01/27/04		RM	SW8260

Client ID: AMERBELLE AM-4/3-5' Phoenix I.D.: AF34457

Parameter	Result	RL	Units	Date	Time	By	Reference
trans-1,3-Dichloropropene	ND	180	ug/Kg	01/27/04		RM	SW8260
Trichloroethene	ND	180	ug/Kg	01/27/04		RM	SW8260
Trichlorofluoromethane	ND	180	ug/Kg	01/27/04		RM	SW8260
Vinyl chloride	ND	180	ug/Kg	01/27/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	01/27/04		RM	SW8260
% Bromofluorobenzene	105		%	01/27/04		RM	SW8260
% Dibromofluoromethane	99		%	01/27/04		RM	SW8260
% Toluene-d8	105		%	01/27/04		RM	SW8260

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains discreet peaks in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 02, 2004

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AF34457
AM-4/3-5'

b Name: PHOENIX ENVIRONMENTAL Contract:

b Code: PHOEN Case No.: NA SAS No.: NA SDG No.: NA

trix: (soil/water) soil Lab Sample ID: AF34457

mple wt/vol: 13.8 (g/mL) g Lab File ID: 0126h24.d

vel: (low/med) med Date Received: 01/26/04

Moisture: not dec. NA Date Analyzed: 01/27/04

Column: DB624 ID: 0.18 (mm) Dilution Factor: 36

il Extract Volume: NA (mL) Soil Aliquot Volume: 100 (uL)

mber TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000110-82-7	Cyclohexane	2.41	290	J
2.	001071-81-4	Hexane,2,2,5,5,-tetrmethyl-	2.63	370	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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15.					
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27.					
28.					
29.					
30.					

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 02, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/22/04	13:07
Location Code:	GEODSIGN	Received by:	SW	01/26/04	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34453
Phoenix I.D.: AF34458

Laboratory Data

Client ID: AMERBELLE AM-4/5-7'

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	BDL	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Arsenic	5.63	1	mg/Kg	01/27/04		EK	6010/E200.7
Barium	76.6	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Cadmium	BDL	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Chromium	22.9	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Copper	27.1	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Mercury - Soil	0.30	0.10	mg/kg	01/27/04		RS	SW-7471
Nickel	12.8	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Lead	438	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Antimony	BDL	5	mg/Kg	01/27/04		EK	6010/E200.7
Selenium	BDL	2.5	mg/Kg	01/27/04		EK	6010/E200.7
Zinc	73.4	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Percent Solid	88		%	01/27/04		CD/	E160.3
Mercury Digestion	Completed			01/27/04		DM	SW7471
Total Metals Digest	Completed			01/26/04		AG	SW846 - 3050

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 02, 2004

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 02, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/22/04	15:17
Location Code:	GEODSIGN	Received by:	SW	01/26/04	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34453
Phoenix I.D.: AF34459

Laboratory Data

Client ID: AMERBELLE AM-5/3-5'

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	01/27/04		CD/	E160.3
Extraction of CT ETPH	Completed			01/26/04		A/B	3550/5030
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	01/27/04		JRB	M8100CT
Identification	ND		mg/Kg	01/27/04		JRB	M8100CT

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
February 02, 2004

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 02, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/22/04	15:41
Location Code:	GEODSIGN	Received by:	SW	01/26/04	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34453
Phoenix I.D.: AF34460

Laboratory Data

Client ID: AMERBELLE AM-5/9-11'

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	92		%	01/27/04		CD/	E160.3
Field Extraction	Completed			01/22/04		GEO	SW5035
Volatile - Library Search	Completed			01/27/04		RM	8260/8021
Methyl isobutyl ketone	BDL	1000	ug/Kg	01/27/04		RM	SW8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	140	ug/Kg	01/27/04		RM	SW8260
1,1,1-Trichloroethane	ND	140	ug/Kg	01/27/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	140	ug/Kg	01/27/04		RM	SW8260
1,1,2-Trichloroethane	ND	140	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloroethane	ND	140	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloroethene	ND	140	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloropropene	ND	140	ug/Kg	01/27/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
1,2,3-Trichloropropane	ND	140	ug/Kg	01/27/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	140	ug/Kg	01/27/04		RM	SW8260
1,2-Dichlorobenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
1,2-Dichloroethane	ND	140	ug/Kg	01/27/04		RM	SW8260
1,2-Dichloropropane	ND	140	ug/Kg	01/27/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
1,3-Dichlorobenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
1,3-Dichloropropane	ND	140	ug/Kg	01/27/04		RM	SW8260
1,4-Dichlorobenzene	ND	140	ug/Kg	01/27/04		RM	SW8260

Client ID: AMERBELLE AM-5/9-11' Phoenix I.D.: AF34460

Parameter	Result	RL	Units	Date	Time	By	Reference
2,2-Dichloropropane	ND	140	ug/Kg	01/27/04		RM	SW8260
2-Chlorotoluene	ND	140	ug/Kg	01/27/04		RM	SW8260
4-Chlorotoluene	ND	140	ug/Kg	01/27/04		RM	SW8260
Benzene	ND	140	ug/Kg	01/27/04		RM	SW8260
Bromobenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
Bromochloromethane	ND	140	ug/Kg	01/27/04		RM	SW8260
Bromodichloromethane	ND	140	ug/Kg	01/27/04		RM	SW8260
Bromoform	ND	140	ug/Kg	01/27/04		RM	SW8260
Bromomethane	ND	140	ug/Kg	01/27/04		RM	SW8260
Carbon tetrachloride	ND	140	ug/Kg	01/27/04		RM	SW8260
Chlorobenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
Chloroethane	ND	140	ug/Kg	01/27/04		RM	SW8260
Chloroform	ND	140	ug/Kg	01/27/04		RM	SW8260
Chloromethane	ND	140	ug/Kg	01/27/04		RM	SW8260
cis-1,2-Dichloroethene	ND	140	ug/Kg	01/27/04		RM	SW8260
cis-1,3-Dichloropropene	ND	140	ug/Kg	01/27/04		RM	SW8260
Dibromochloromethane	ND	140	ug/Kg	01/27/04		RM	SW8260
Dibromoethane	ND	140	ug/Kg	01/27/04		RM	SW8260
Dibromomethane	ND	140	ug/Kg	01/27/04		RM	SW8260
Dichlorodifluoromethane	ND	140	ug/Kg	01/27/04		RM	SW8260
Ethylbenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
Hexachlorobutadiene	ND	140	ug/Kg	01/27/04		RM	SW8260
Isopropylbenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
m&p-Xylene	ND	140	ug/Kg	01/27/04		RM	SW8260
Methyl Ethyl Ketone	ND	1600	ug/Kg	01/27/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	140	ug/Kg	01/27/04		RM	SW8260
Methylene chloride	ND	270	ug/Kg	01/27/04		RM	SW8260
n-Butylbenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
n-Propylbenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
Naphthalene	ND	140	ug/Kg	01/27/04		RM	SW8260
o-Xylene	ND	140	ug/Kg	01/27/04		RM	SW8260
p-Isopropyltoluene	ND	140	ug/Kg	01/27/04		RM	SW8260
sec-Butylbenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
Styrene	ND	140	ug/Kg	01/27/04		RM	SW8260
tert-Butylbenzene	ND	140	ug/Kg	01/27/04		RM	SW8260
Tetrachloroethene	ND	140	ug/Kg	01/27/04		RM	SW8260
Toluene	ND	140	ug/Kg	01/27/04		RM	SW8260
Total Xylenes	ND	140	ug/Kg	01/27/04		RM	SW8260
trans-1,2-Dichloroethene	ND	140	ug/Kg	01/27/04		RM	SW8260
trans-1,3-Dichloropropene	ND	140	ug/Kg	01/27/04		RM	SW8260
Trichloroethene	ND	140	ug/Kg	01/27/04		RM	SW8260
Trichlorofluoromethane	ND	140	ug/Kg	01/27/04		RM	SW8260
Vinyl chloride	ND	140	ug/Kg	01/27/04		RM	SW8260

QA/QC Surrogates

Client ID: AMERBELLE AM-5/9-11'

Phoenix I.D.: AF34460

Parameter	Result	RL	Units	Date	Time	By	Reference
% 1,2-dichlorobenzene-d4	100		%	01/27/04		RM	SW8260
% Bromofluorobenzene	97		%	01/27/04		RM	SW8260
% Dibromofluoromethane	99		%	01/27/04		RM	SW8260
% Toluene-d8	105		%	01/27/04		RM	SW8260

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 02, 2004

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AF34460
Am-5/9-11'

ıb Name: PHOENIX ENVIRONMENTAL Contract:

ıb Code: PHOEN Case No.: NA SAS No.: NA SDG No.: NA

ıtrix: (soil/water) soil Lab Sample ID: AF34460

ımple wt/vol: 18.38 (g/mL) g Lab File ID: 0126h25.d

evel: (low/med) med Date Received: 01/26/04

Moisture: not dec. NA Date Analyzed: 01/27/04

Column: DB624 ID: 0.18 (mm) Dilution Factor: 27

oil Extract Volume: NA (mL) Soil Aliquot Volume: 100 (uL)

ımber TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	001071-81-4	Hexane,2,2,5,5,-tetrmethyl-	2.63	150	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 02, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/23/04	10:47
Location Code:	GEODSIGN	Received by:	SW	01/26/04	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34453
Phoenix I.D.: AF34461

Laboratory Data

Client ID: AMERBELLE AM-6/5-6'

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	86		%	01/27/04		CD/	E160.3
Extraction of CT ETPH	Completed			01/26/04		A/B	3550/5030
Field Extraction	Completed			01/23/04		GEO	SW5035
Volatile - Library Search	Completed			01/27/04		RM	8260/8021
TPH by GC (Extractable Products)							
Ext. Petroleum HC	770	10	mg/Kg	01/28/04		JRB	M8100CT
Identification	**		mg/Kg	01/28/04		JRB	M8100CT
Methyl isobutyl ketone	BDL	1000	ug/Kg	01/27/04		RM	SW8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	210	ug/Kg	01/27/04		RM	SW8260
1,1,1-Trichloroethane	ND	210	ug/Kg	01/27/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	210	ug/Kg	01/27/04		RM	SW8260
1,1,2-Trichloroethane	ND	210	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloroethane	ND	210	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloroethene	ND	210	ug/Kg	01/27/04		RM	SW8260
1,1-Dichloropropene	ND	210	ug/Kg	01/27/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
1,2,3-Trichloropropane	ND	210	ug/Kg	01/27/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	210	ug/Kg	01/27/04		RM	SW8260
1,2-Dichlorobenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
1,2-Dichloroethane	ND	210	ug/Kg	01/27/04		RM	SW8260

Client ID: AMERBELLE AM-6/5-6' Phoenix I.D.: AF34461

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloropropane	ND	210	ug/Kg	01/27/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
1,3-Dichlorobenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
1,3-Dichloropropane	ND	210	ug/Kg	01/27/04		RM	SW8260
1,4-Dichlorobenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
2,2-Dichloropropane	ND	210	ug/Kg	01/27/04		RM	SW8260
2-Chlorotoluene	ND	210	ug/Kg	01/27/04		RM	SW8260
4-Chlorotoluene	ND	210	ug/Kg	01/27/04		RM	SW8260
Benzene	ND	210	ug/Kg	01/27/04		RM	SW8260
Bromobenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
Bromochloromethane	ND	210	ug/Kg	01/27/04		RM	SW8260
Bromodichloromethane	ND	210	ug/Kg	01/27/04		RM	SW8260
Bromoform	ND	210	ug/Kg	01/27/04		RM	SW8260
Bromomethane	ND	210	ug/Kg	01/27/04		RM	SW8260
Carbon tetrachloride	ND	210	ug/Kg	01/27/04		RM	SW8260
Chlorobenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
Chloroethane	ND	210	ug/Kg	01/27/04		RM	SW8260
Chloroform	ND	210	ug/Kg	01/27/04		RM	SW8260
Chloromethane	ND	210	ug/Kg	01/27/04		RM	SW8260
cis-1,2-Dichloroethene	ND	210	ug/Kg	01/27/04		RM	SW8260
cis-1,3-Dichloropropene	ND	210	ug/Kg	01/27/04		RM	SW8260
Dibromochloromethane	ND	210	ug/Kg	01/27/04		RM	SW8260
Dibromoethane	ND	210	ug/Kg	01/27/04		RM	SW8260
Dibromomethane	ND	210	ug/Kg	01/27/04		RM	SW8260
Dichlorodifluoromethane	ND	210	ug/Kg	01/27/04		RM	SW8260
Ethylbenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
Hexachlorobutadiene	ND	210	ug/Kg	01/27/04		RM	SW8260
Isopropylbenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
m&p-Xylene	ND	210	ug/Kg	01/27/04		RM	SW8260
Methyl Ethyl Ketone	ND	2500	ug/Kg	01/27/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	210	ug/Kg	01/27/04		RM	SW8260
Methylene chloride	ND	410	ug/Kg	01/27/04		RM	SW8260
n-Butylbenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
n-Propylbenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
Naphthalene	ND	210	ug/Kg	01/27/04		RM	SW8260
o-Xylene	ND	210	ug/Kg	01/27/04		RM	SW8260
p-Isopropyltoluene	ND	210	ug/Kg	01/27/04		RM	SW8260
sec-Butylbenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
Styrene	ND	210	ug/Kg	01/27/04		RM	SW8260
tert-Butylbenzene	ND	210	ug/Kg	01/27/04		RM	SW8260
Tetrachloroethene	ND	210	ug/Kg	01/27/04		RM	SW8260
Toluene	ND	210	ug/Kg	01/27/04		RM	SW8260
Total Xylenes	ND	210	ug/Kg	01/27/04		RM	SW8260
trans-1,2-Dichloroethene	ND	210	ug/Kg	01/27/04		RM	SW8260

Client ID: AMERBELLE AM-6/5-6' **Phoenix I.D.: AF34461**

Parameter	Result	RL	Units	Date	Time	By	Reference
trans-1,3-Dichloropropene	ND	210	ug/Kg	01/27/04		RM	SW8260
Trichloroethene	ND	210	ug/Kg	01/27/04		RM	SW8260
Trichlorofluoromethane	ND	210	ug/Kg	01/27/04		RM	SW8260
Vinyl chloride	ND	210	ug/Kg	01/27/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	01/27/04		RM	SW8260
% Bromofluorobenzene	100		%	01/27/04		RM	SW8260
% Dibromofluoromethane	101		%	01/27/04		RM	SW8260
% Toluene-d8	107		%	01/27/04		RM	SW8260

Comments: **ND=Not detected BDL = Below Detection Limit RL=Reporting Limit**

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains discreet peaks in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 02, 2004

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AF34461
AM-6/5-6'

ıb Name: PHOENIX ENVIRONMENTAL Contract:

ıb Code: PHOEN Case No.: NA SAS No.: NA SDG No.: NA

ıtrix: (soil/water) soil Lab Sample ID: AF34461

ımple wt/vol: 12.3 (g/mL) g Lab File ID: 0126h26.d

:vel: (low/med) med Date Received: 01/26/04

Moisture: not dec. NA Date Analyzed: 01/27/04

: Column: DB624 ID: 0.18 (mm) Dilution Factor: 41

›il Extract Volume: NA (mL) Soil Aliquot Volume: 100 (uL)

ımber TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000594-82-1	Butane, 2,2,3,3,-tetramethyl-	2.63	260	J
2.					
3.					
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30.					

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report
February 02, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/23/04	15:30
Location Code:	GEODSIGN	Received by:	SW	01/26/04	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34453
Phoenix I.D.: AF34462

Laboratory Data

Client ID: AMERBELLE AM-7/3-5'

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	BDL	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Arsenic	2.04	1	mg/Kg	01/27/04		EK	6010/E200.7
Barium	114	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Cadmium	BDL	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Chromium	16.4	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Copper	33.7	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Mercury - Soil	0.11	0.10	mg/kg	01/27/04		RS	SW-7471
Nickel	8.66	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Lead	40.3	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Antimony	BDL	5	mg/Kg	01/27/04		EK	6010/E200.7
Selenium	BDL	2.5	mg/Kg	01/27/04		EK	6010/E200.7
Zinc	49	0.5	mg/Kg	01/27/04		EK	6010/E200.7
Percent Solid	93		%	01/27/04		CD/	E160.3
Extraction of CT ETPH	Completed			01/26/04		A/B	3550/5030
Mercury Digestion	Completed			01/27/04		DM	SW7471
Soil Ext. Semi-Vol BN	Completed			01/26/04		B/A	SW3545/3350
Total Metals Digest	Completed			01/26/04		AG	SW846 - 3050
TPH by GC (Extractable Products)							
Ext. Petroleum HC	83	10	mg/Kg	01/28/04		JRB	M8100CT
Identification	**		mg/Kg	01/28/04		JRB	M8100CT
Aniline	ND	330	ug/Kg	01/30/04		DRC	SW8270

Comments: **ND=Not detected BDL = Below Detection Limit RL=Reporting Limit**

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards,
but contains discreet peaks in the C9 to C12 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 02, 2004

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 13, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/31/04	9:47
Location Code:	GEODSIGN	Received by:	SW	02/03/04	16:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF36021
Phoenix I.D.: AF36021

Laboratory Data

Client ID: AMERBELLE AM-8/3-4'

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	BDL	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Arsenic	1.93	1	mg/Kg	02/05/04		EK	6010/E200.7
Barium	113	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Cadmium	BDL	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Chromium	28.4	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Copper	19.8	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Mercury - Soil	BDL	0.10	mg/kg	02/04/04		RS	SW-7471
Nickel	12	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Lead	13.0	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Antimony	BDL	5	mg/Kg	02/05/04		EK	6010/E200.7
Selenium	BDL	2.5	mg/Kg	02/05/04		EK	6010/E200.7
Zinc	43.7	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Percent Solid	92		%	02/04/04		CD/	E160.3
Field Extraction	Completed			01/31/04		GEO	SW5035
Formaldehyde Prep for HPLC	Completed			02/03/04		PL	
Mercury Digestion	Completed			02/04/04		DM	SW7471
Soil Ext. Semi-Vol BN	Completed			02/03/04		B/A	SW3545/3350
Library Search	Completed			02/09/04		DRC	8270
Total Metals Digest	Completed			02/03/04		AG	SW846 - 3050
Volatile - Library Search	Completed			02/04/04		RM	8260/8021
Formaldehyde	17000	2000	ug/kg	02/05/04		RM	SW8315
Methyl isobutyl ketone	BDL	360	ug/Kg	02/04/04		RM	SW8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	180	ug/Kg	02/04/04		RM	SW8260

Client ID: AMERBELLE AM-8/3-4' Phoenix I.D.: AF36021

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,1-Trichloroethane	ND	180	ug/Kg	02/04/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	180	ug/Kg	02/04/04		RM	SW8260
1,1,2-Trichloroethane	ND	180	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloroethane	ND	180	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloroethene	ND	180	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloropropene	ND	180	ug/Kg	02/04/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
1,2,3-Trichloropropane	ND	180	ug/Kg	02/04/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	180	ug/Kg	02/04/04		RM	SW8260
1,2-Dichlorobenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
1,2-Dichloroethane	ND	180	ug/Kg	02/04/04		RM	SW8260
1,2-Dichloropropane	ND	180	ug/Kg	02/04/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
1,3-Dichlorobenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
1,3-Dichloropropane	ND	180	ug/Kg	02/04/04		RM	SW8260
1,4-Dichlorobenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
2,2-Dichloropropane	ND	180	ug/Kg	02/04/04		RM	SW8260
2-Chlorotoluene	ND	180	ug/Kg	02/04/04		RM	SW8260
4-Chlorotoluene	ND	180	ug/Kg	02/04/04		RM	SW8260
Benzene	ND	180	ug/Kg	02/04/04		RM	SW8260
Bromobenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
Bromochloromethane	ND	180	ug/Kg	02/04/04		RM	SW8260
Bromodichloromethane	ND	180	ug/Kg	02/04/04		RM	SW8260
Bromoform	ND	180	ug/Kg	02/04/04		RM	SW8260
Bromomethane	ND	180	ug/Kg	02/04/04		RM	SW8260
Carbon tetrachloride	ND	180	ug/Kg	02/04/04		RM	SW8260
Chlorobenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
Chloroethane	ND	180	ug/Kg	02/04/04		RM	SW8260
Chloroform	ND	180	ug/Kg	02/04/04		RM	SW8260
Chloromethane	ND	180	ug/Kg	02/04/04		RM	SW8260
cis-1,2-Dichloroethene	ND	180	ug/Kg	02/04/04		RM	SW8260
cis-1,3-Dichloropropene	ND	180	ug/Kg	02/04/04		RM	SW8260
Dibromochloromethane	ND	180	ug/Kg	02/04/04		RM	SW8260
Dibromoethane	ND	180	ug/Kg	02/04/04		RM	SW8260
Dibromomethane	ND	180	ug/Kg	02/04/04		RM	SW8260
Dichlorodifluoromethane	ND	180	ug/Kg	02/04/04		RM	SW8260
Ethylbenzene	350	180	ug/Kg	02/04/04		RM	SW8260
Hexachlorobutadiene	ND	180	ug/Kg	02/04/04		RM	SW8260
Isopropylbenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
m&p-Xylene	1500	180	ug/Kg	02/04/04		RM	SW8260
Methyl Ethyl Ketone	ND	2200	ug/Kg	02/04/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	180	ug/Kg	02/04/04		RM	SW8260

Client ID: AMERBELLE AM-8/3-4' Phoenix I.D.: AF36021

Parameter	Result	RL	Units	Date	Time	By	Reference
Methylene chloride	ND	360	ug/Kg	02/04/04		RM	SW8260
n-Butylbenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
n-Propylbenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
Naphthalene	ND	180	ug/Kg	02/04/04		RM	SW8260
o-Xylene	730	180	ug/Kg	02/04/04		RM	SW8260
p-Isopropyltoluene	ND	180	ug/Kg	02/04/04		RM	SW8260
sec-Butylbenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
Styrene	ND	180	ug/Kg	02/04/04		RM	SW8260
tert-Butylbenzene	ND	180	ug/Kg	02/04/04		RM	SW8260
Tetrachloroethene	ND	180	ug/Kg	02/04/04		RM	SW8260
Toluene	ND	180	ug/Kg	02/04/04		RM	SW8260
Total Xylenes	2200	180	ug/Kg	02/04/04		RM	SW8260
trans-1,2-Dichloroethene	ND	180	ug/Kg	02/04/04		RM	SW8260
trans-1,3-Dichloropropene	ND	180	ug/Kg	02/04/04		RM	SW8260
Trichloroethene	ND	180	ug/Kg	02/04/04		RM	SW8260
Trichlorofluoromethane	ND	180	ug/Kg	02/04/04		RM	SW8260
Vinyl chloride	ND	180	ug/Kg	02/04/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	02/04/04		RM	SW8260
% Bromofluorobenzene	104		%	02/04/04		RM	SW8260
% Dibromofluoromethane	94		%	02/04/04		RM	SW8260
% Toluene-d8	102		%	02/04/04		RM	SW8260
Aniline	ND	330	ug/Kg	02/04/04		DRC	SW8270
Semivolatiles							
1,2-Dichlorobenzene	ND	330	ug/Kg	02/04/04		DRC	SW8270
1,2-Diphenylhydrazine	ND	330	ug/Kg	02/04/04		DRC	SW8270
1,3-Dichlorobenzene	ND	330	ug/Kg	02/04/04		DRC	SW8270
1,4-Dichlorobenzene	ND	330	ug/Kg	02/04/04		DRC	SW8270
2,4-Dinitrotoluene	ND	330	ug/Kg	02/04/04		DRC	SW8270
2,6-Dinitrotoluene	ND	330	ug/Kg	02/04/04		DRC	SW8270
2-Chloronaphthalene	ND	330	ug/Kg	02/04/04		DRC	SW8270
2-Methylnaphthalene	ND	330	ug/Kg	02/04/04		DRC	SW8270
2-Nitroaniline	ND	1600	ug/Kg	02/04/04		DRC	SW8270
3,3'-Dichlorobenzidine	ND	660	ug/Kg	02/04/04		DRC	SW8270
3-Nitroaniline	ND	1600	ug/Kg	02/04/04		DRC	SW8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	02/04/04		DRC	SW8270
4-Chloroaniline	ND	660	ug/Kg	02/04/04		DRC	SW8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	02/04/04		DRC	SW8270
4-Nitroaniline	ND	1600	ug/Kg	02/04/04		DRC	SW8270
Acenaphthene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Acenaphthylene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Anthracene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzidine	ND	330	ug/Kg	02/04/04		DRC	SW8270

Client ID: AMERBELLE AM-8/3-4' **Phoenix I.D.: AF36021**

Parameter	Result	RL	Units	Date	Time	By	Reference
Benzo(a)anthracene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzo(a)pyrene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzo(b)fluoranthene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzo(g,h,i)perylene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzo(k)fluoranthene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzoic acid	ND	1600	ug/Kg	02/04/04		DRC	SW8270
Benzyl alcohol	ND	660	ug/Kg	02/04/04		DRC	SW8270
Benzyl butyl phthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	02/04/04		DRC	SW8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	02/04/04		DRC	SW8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	02/04/04		DRC	SW8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Chrysene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Di-n-butylphthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Di-n-octyl phthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Dibenzofuran	ND	330	ug/Kg	02/04/04		DRC	SW8270
Diethyl phthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Dimethyl phthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Fluoranthene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Fluorene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Hexachlorobenzene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Hexachlorobutadiene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Hexachloroethane	ND	330	ug/Kg	02/04/04		DRC	SW8270
Indeno(1,2,3-c,d)pyrene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Isophorone	ND	330	ug/Kg	02/04/04		DRC	SW8270
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	02/04/04		DRC	SW8270
N-Nitrosodimethylamine	ND	330	ug/Kg	02/04/04		DRC	SW8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	02/04/04		DRC	SW8270
Naphthalene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Nitrobenzene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Phenanthrene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Pyrene	ND	330	ug/Kg	02/04/04		DRC	SW8270

Comments: **ND=Not detected BDL = Below Detection Limit RL=Reporting Limit**

Semivolatile TICs: None of the compounds in the attached list were detected.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 13, 2004

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Location: AM-8/3-4'

Lab Name: PHOENIX ENVIRONMENTAL LABORATORY Contract: NA

Lab Code: GEODESIGN Case No.: NA SAS No.: NA SDG No.:

Matrix:(soil/water) soil Lab Sample ID: AF36021

Sample wt/vol: 15.26 (g/mL) g Lab File ID: 0204_08.D

Level: (low/med) NA Date Received: 02/03/04

%Moisture: 8 decanted:(Y/N) NA Date Extracted: 02/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/04/04

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: NA

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No TICs found in this sample			
2.					
3.					
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1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AF36021

ıb Name: PHOENIX ENVIRONMENTAL Contract:

ıb Code: PHOEN Case No.: NA SAS No.: NA SDG No.: NA

ıtrix: (soil/water) soil Lab Sample ID: AF36021

ımple wt/vol: 10 (g/mL) g Lab File ID: 0203h46.d

:vel: (low/med) med Date Received: 02/03/04

Moisture: not dec. NA Date Analyzed: 02/04/04

: Column: DB624 ID: 0.18 (mm) Dilution Factor: 50

›il Extract Volume: NA (mL) Soil Aliquot Volume: 100 (uL)

ımber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG

	CAS NUMBER	COMPOUND NAME	RT	ST. CONC.	Q
1.					
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PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 13, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/31/04	10:48
Location Code:	GEODSIGN	Received by:	SW	02/03/04	16:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF36021
Phoenix I.D.: AF36022

Laboratory Data

Client ID: AMERBELLE AM-9/5-7'

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	BDL	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Arsenic	2.36	1	mg/Kg	02/05/04		EK	6010/E200.7
Barium	60.5	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Cadmium	BDL	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Chromium	15	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Copper	16.1	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Mercury - Soil	BDL	0.10	mg/kg	02/04/04		RS	SW-7471
Nickel	8.42	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Lead	28.5	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Antimony	BDL	5	mg/Kg	02/05/04		EK	6010/E200.7
Selenium	BDL	2.5	mg/Kg	02/05/04		EK	6010/E200.7
Zinc	32.8	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Percent Solid	96		%	02/04/04		CD/	E160.3
Extraction of CT ETPH	Completed			02/03/04		B/A	3550/5030
Field Extraction	Completed			01/31/04		GEO	SW5035
Mercury Digestion	Completed			02/04/04		DM	SW7471
Total Metals Digest	Completed			02/03/04		AG	SW846 - 3050
Volatile - Library Search	Completed			02/04/04		RM	8260/8021
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	10	mg/Kg	02/05/04		JRB	M8100CT
Identification	ND		mg/Kg	02/05/04		JRB	M8100CT
Methyl isobutyl ketone	BDL	400	ug/Kg	02/04/04		RM	SW8260
Volatiles							

Client ID: AMERBELLE AM-9/5-7' Phoenix I.D.: AF36022

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,1,2-Tetrachloroethane	ND	200	ug/Kg	02/04/04		RM	SW8260
1,1,1-Trichloroethane	ND	200	ug/Kg	02/04/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	200	ug/Kg	02/04/04		RM	SW8260
1,1,2-Trichloroethane	ND	200	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloroethane	ND	200	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloroethene	ND	200	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloropropene	ND	200	ug/Kg	02/04/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
1,2,3-Trichloropropane	ND	200	ug/Kg	02/04/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	200	ug/Kg	02/04/04		RM	SW8260
1,2-Dichlorobenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
1,2-Dichloroethane	ND	200	ug/Kg	02/04/04		RM	SW8260
1,2-Dichloropropane	ND	200	ug/Kg	02/04/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
1,3-Dichlorobenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
1,3-Dichloropropane	ND	200	ug/Kg	02/04/04		RM	SW8260
1,4-Dichlorobenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
2,2-Dichloropropane	ND	200	ug/Kg	02/04/04		RM	SW8260
2-Chlorotoluene	ND	200	ug/Kg	02/04/04		RM	SW8260
4-Chlorotoluene	ND	200	ug/Kg	02/04/04		RM	SW8260
Benzene	ND	200	ug/Kg	02/04/04		RM	SW8260
Bromobenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
Bromochloromethane	ND	200	ug/Kg	02/04/04		RM	SW8260
Bromodichloromethane	ND	200	ug/Kg	02/04/04		RM	SW8260
Bromoform	ND	200	ug/Kg	02/04/04		RM	SW8260
Bromomethane	ND	200	ug/Kg	02/04/04		RM	SW8260
Carbon tetrachloride	ND	200	ug/Kg	02/04/04		RM	SW8260
Chlorobenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
Chloroethane	ND	200	ug/Kg	02/04/04		RM	SW8260
Chloroform	ND	200	ug/Kg	02/04/04		RM	SW8260
Chloromethane	ND	200	ug/Kg	02/04/04		RM	SW8260
cis-1,2-Dichloroethene	ND	200	ug/Kg	02/04/04		RM	SW8260
cis-1,3-Dichloropropene	ND	200	ug/Kg	02/04/04		RM	SW8260
Dibromochloromethane	ND	200	ug/Kg	02/04/04		RM	SW8260
Dibromoethane	ND	200	ug/Kg	02/04/04		RM	SW8260
Dibromomethane	ND	200	ug/Kg	02/04/04		RM	SW8260
Dichlorodifluoromethane	ND	200	ug/Kg	02/04/04		RM	SW8260
Ethylbenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
Hexachlorobutadiene	ND	200	ug/Kg	02/04/04		RM	SW8260
Isopropylbenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
m&p-Xylene	ND	200	ug/Kg	02/04/04		RM	SW8260
Methyl Ethyl Ketone	ND	2400	ug/Kg	02/04/04		RM	SW8260

Client ID: AMERBELLE AM-9/5-7' Phoenix I.D.: AF36022

Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	200	ug/Kg	02/04/04		RM	SW8260
Methylene chloride	ND	400	ug/Kg	02/04/04		RM	SW8260
n-Butylbenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
n-Propylbenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
Naphthalene	ND	200	ug/Kg	02/04/04		RM	SW8260
o-Xylene	ND	200	ug/Kg	02/04/04		RM	SW8260
p-Isopropyltoluene	ND	200	ug/Kg	02/04/04		RM	SW8260
sec-Butylbenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
Styrene	ND	200	ug/Kg	02/04/04		RM	SW8260
tert-Butylbenzene	ND	200	ug/Kg	02/04/04		RM	SW8260
Tetrachloroethene	ND	200	ug/Kg	02/04/04		RM	SW8260
Toluene	ND	200	ug/Kg	02/04/04		RM	SW8260
Total Xylenes	ND	200	ug/Kg	02/04/04		RM	SW8260
trans-1,2-Dichloroethene	ND	200	ug/Kg	02/04/04		RM	SW8260
trans-1,3-Dichloropropene	ND	200	ug/Kg	02/04/04		RM	SW8260
Trichloroethene	ND	200	ug/Kg	02/04/04		RM	SW8260
Trichlorofluoromethane	ND	200	ug/Kg	02/04/04		RM	SW8260
Vinyl chloride	ND	200	ug/Kg	02/04/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	02/04/04		RM	SW8260
% Bromofluorobenzene	91		%	02/04/04		RM	SW8260
% Dibromofluoromethane	99		%	02/04/04		RM	SW8260
% Toluene-d8	104		%	02/04/04		RM	SW8260

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 13, 2004

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AF36022

ab Name: PHOENIX ENVIRONMENTAL Contract:

ab Code: PHOEN Case No.: NA SAS No.: NA SDG No.: NA

atrix: (soil/water) soil Lab Sample ID: AF36022

ample wt/vol: 12.4 (g/mL) g Lab File ID: 0203h47.d

evel: (low/med) med Date Received: 02/03/04

Moisture: not dec. NA Date Analyzed: 02/04/04

Column: DB624 ID: 0.18 (mm) Dilution Factor: 50

oil Extract Volume: NA (mL) Soil Aliquot Volume: 100 (uL)

umber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG

	CAS NUMBER	COMPOUND NAME	RT	ST. CONC.	Q
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PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report
February 13, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/31/04	14:08
Location Code:	GEODSIGN	Received by:	SW	02/03/04	16:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF36021
Phoenix I.D.: AF36023

Laboratory Data

Client ID: AMERBELLE AM-11/1-3'

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	02/04/04		CD/	E160.3
Field Extraction	Completed			01/31/04		GEO	SW5035
Volatile - Library Search	Completed			02/04/04		RM	8260/8021
Methyl isobutyl ketone	BDL	260	ug/Kg	02/04/04		RM	SW8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	130	ug/Kg	02/04/04		RM	SW8260
1,1,1-Trichloroethane	ND	130	ug/Kg	02/04/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	130	ug/Kg	02/04/04		RM	SW8260
1,1,2-Trichloroethane	ND	130	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloroethane	ND	130	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloroethene	ND	130	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloropropene	ND	130	ug/Kg	02/04/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
1,2,3-Trichloropropane	ND	130	ug/Kg	02/04/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	130	ug/Kg	02/04/04		RM	SW8260
1,2-Dichlorobenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
1,2-Dichloroethane	ND	130	ug/Kg	02/04/04		RM	SW8260
1,2-Dichloropropane	ND	130	ug/Kg	02/04/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
1,3-Dichlorobenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
1,3-Dichloropropane	ND	130	ug/Kg	02/04/04		RM	SW8260
1,4-Dichlorobenzene	ND	130	ug/Kg	02/04/04		RM	SW8260

Client ID: AMERBELLE AM-11/1-3' Phoenix I.D.: AF36023

Parameter	Result	RL	Units	Date	Time	By	Reference
2,2-Dichloropropane	ND	130	ug/Kg	02/04/04		RM	SW8260
2-Chlorotoluene	ND	130	ug/Kg	02/04/04		RM	SW8260
4-Chlorotoluene	ND	130	ug/Kg	02/04/04		RM	SW8260
Benzene	ND	130	ug/Kg	02/04/04		RM	SW8260
Bromobenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
Bromochloromethane	ND	130	ug/Kg	02/04/04		RM	SW8260
Bromodichloromethane	ND	130	ug/Kg	02/04/04		RM	SW8260
Bromoform	ND	130	ug/Kg	02/04/04		RM	SW8260
Bromomethane	ND	130	ug/Kg	02/04/04		RM	SW8260
Carbon tetrachloride	ND	130	ug/Kg	02/04/04		RM	SW8260
Chlorobenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
Chloroethane	ND	130	ug/Kg	02/04/04		RM	SW8260
Chloroform	ND	130	ug/Kg	02/04/04		RM	SW8260
Chloromethane	ND	130	ug/Kg	02/04/04		RM	SW8260
cis-1,2-Dichloroethene	ND	130	ug/Kg	02/04/04		RM	SW8260
cis-1,3-Dichloropropene	ND	130	ug/Kg	02/04/04		RM	SW8260
Dibromochloromethane	ND	130	ug/Kg	02/04/04		RM	SW8260
Dibromoethane	ND	130	ug/Kg	02/04/04		RM	SW8260
Dibromomethane	ND	130	ug/Kg	02/04/04		RM	SW8260
Dichlorodifluoromethane	ND	130	ug/Kg	02/04/04		RM	SW8260
Ethylbenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
Hexachlorobutadiene	ND	130	ug/Kg	02/04/04		RM	SW8260
Isopropylbenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
m&p-Xylene	ND	130	ug/Kg	02/04/04		RM	SW8260
Methyl Ethyl Ketone	ND	1600	ug/Kg	02/04/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	130	ug/Kg	02/04/04		RM	SW8260
Methylene chloride	ND	260	ug/Kg	02/04/04		RM	SW8260
n-Butylbenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
n-Propylbenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
Naphthalene	ND	130	ug/Kg	02/04/04		RM	SW8260
o-Xylene	ND	130	ug/Kg	02/04/04		RM	SW8260
p-Isopropyltoluene	ND	130	ug/Kg	02/04/04		RM	SW8260
sec-Butylbenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
Styrene	ND	130	ug/Kg	02/04/04		RM	SW8260
tert-Butylbenzene	ND	130	ug/Kg	02/04/04		RM	SW8260
Tetrachloroethene	ND	130	ug/Kg	02/04/04		RM	SW8260
Toluene	ND	130	ug/Kg	02/04/04		RM	SW8260
Total Xylenes	ND	130	ug/Kg	02/04/04		RM	SW8260
trans-1,2-Dichloroethene	ND	130	ug/Kg	02/04/04		RM	SW8260
trans-1,3-Dichloropropene	ND	130	ug/Kg	02/04/04		RM	SW8260
Trichloroethene	ND	130	ug/Kg	02/04/04		RM	SW8260
Trichlorofluoromethane	ND	130	ug/Kg	02/04/04		RM	SW8260
Vinyl chloride	ND	130	ug/Kg	02/04/04		RM	SW8260

QA/QC Surrogates

Client ID: AMERBELLE AM-11/1-3' Phoenix I.D.: AF36023

Parameter	Result	RL	Units	Date	Time	By	Reference
% 1,2-dichlorobenzene-d4	102		%	02/04/04		RM	SW8260
% Bromofluorobenzene	96		%	02/04/04		RM	SW8260
% Dibromofluoromethane	100		%	02/04/04		RM	SW8260
% Toluene-d8	104		%	02/04/04		RM	SW8260

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 13, 2004

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AF36023

b Name: PHOENIX ENVIRONMENTAL Contract:

b Code: PHOEN Case No.: NA SAS No.: NA SDG No.: NA

trix: (soil/water) soil Lab Sample ID: AF36023

mple wt/vol: 17.9 (g/mL) g Lab File ID: 0203h48.d

vel: (low/med) med Date Received: 02/03/04

Moisture: not dec. NA Date Analyzed: 02/04/04

Column: DB624 ID: 0.18 (mm) Dilution Factor: 50

il Extract Volume: NA (mL) Soil Aliquot Volume: 100 (uL)

mber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG

	CAS NUMBER	COMPOUND NAME	RT	ST. CONC.	Q
1.					
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PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
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ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report
February 13, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/31/04	14:27
Location Code:	GEODSIGN	Received by:	SW	02/03/04	16:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF36021
Phoenix I.D.: AF36024

Laboratory Data

Client ID: AMERBELLE AM-11/5-6'

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	BDL	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Arsenic	1.93	1	mg/Kg	02/05/04		EK	6010/E200.7
Barium	61.2	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Cadmium	BDL	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Chromium	19.3	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Copper	15.1	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Mercury - Soil	BDL	0.10	mg/kg	02/04/04		RS	SW-7471
Nickel	9.64	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Lead	5.11	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Antimony	BDL	5	mg/Kg	02/05/04		EK	6010/E200.7
Selenium	BDL	2.5	mg/Kg	02/05/04		EK	6010/E200.7
Zinc	22.4	0.5	mg/Kg	02/05/04		EK	6010/E200.7
Percent Solid	91		%	02/04/04		CD/	E160.3
Field Extraction	Completed			01/31/04		GEO	SW5035
Formaldehyde Prep for HPLC	Completed			02/03/04		PL	
Mercury Digestion	Completed			02/04/04		DM	SW7471
Soil Ext. Semi-Vol BN	Completed			02/03/04		B/A	SW3545/3350
Library Search	Completed			02/09/04		DRC	8270
Total Metals Digest	Completed			02/03/04		AG	SW846 - 3050
Volatile - Library Search	Completed			02/04/04		RM	8260/8021
Formaldehyde	9300	2000	ug/kg	02/05/04		RM	SW8315
Methyl isobutyl ketone	BDL	340	ug/Kg	02/04/04		RM	SW8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	170	ug/Kg	02/04/04		RM	SW8260

Client ID: AMERBELLE AM-11/5-6' Phoenix I.D.: AF36024

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,1-Trichloroethane	ND	170	ug/Kg	02/04/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	170	ug/Kg	02/04/04		RM	SW8260
1,1,2-Trichloroethane	ND	170	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloroethane	ND	170	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloroethene	ND	170	ug/Kg	02/04/04		RM	SW8260
1,1-Dichloropropene	ND	170	ug/Kg	02/04/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
1,2,3-Trichloropropane	ND	170	ug/Kg	02/04/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	170	ug/Kg	02/04/04		RM	SW8260
1,2-Dichlorobenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
1,2-Dichloroethane	ND	170	ug/Kg	02/04/04		RM	SW8260
1,2-Dichloropropane	ND	170	ug/Kg	02/04/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
1,3-Dichlorobenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
1,3-Dichloropropane	ND	170	ug/Kg	02/04/04		RM	SW8260
1,4-Dichlorobenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
2,2-Dichloropropane	ND	170	ug/Kg	02/04/04		RM	SW8260
2-Chlorotoluene	ND	170	ug/Kg	02/04/04		RM	SW8260
4-Chlorotoluene	ND	170	ug/Kg	02/04/04		RM	SW8260
Benzene	ND	170	ug/Kg	02/04/04		RM	SW8260
Bromobenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
Bromochloromethane	ND	170	ug/Kg	02/04/04		RM	SW8260
Bromodichloromethane	ND	170	ug/Kg	02/04/04		RM	SW8260
Bromoform	ND	170	ug/Kg	02/04/04		RM	SW8260
Bromomethane	ND	170	ug/Kg	02/04/04		RM	SW8260
Carbon tetrachloride	ND	170	ug/Kg	02/04/04		RM	SW8260
Chlorobenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
Chloroethane	ND	170	ug/Kg	02/04/04		RM	SW8260
Chloroform	ND	170	ug/Kg	02/04/04		RM	SW8260
Chloromethane	ND	170	ug/Kg	02/04/04		RM	SW8260
cis-1,2-Dichloroethene	ND	170	ug/Kg	02/04/04		RM	SW8260
cis-1,3-Dichloropropene	ND	170	ug/Kg	02/04/04		RM	SW8260
Dibromochloromethane	ND	170	ug/Kg	02/04/04		RM	SW8260
Dibromoethane	ND	170	ug/Kg	02/04/04		RM	SW8260
Dibromomethane	ND	170	ug/Kg	02/04/04		RM	SW8260
Dichlorodifluoromethane	ND	170	ug/Kg	02/04/04		RM	SW8260
Ethylbenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
Hexachlorobutadiene	ND	170	ug/Kg	02/04/04		RM	SW8260
Isopropylbenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
m&p-Xylene	ND	170	ug/Kg	02/04/04		RM	SW8260
Methyl Ethyl Ketone	ND	2000	ug/Kg	02/04/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	170	ug/Kg	02/04/04		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Methylene chloride	ND	340	ug/Kg	02/04/04		RM	SW8260
n-Butylbenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
n-Propylbenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
Naphthalene	ND	170	ug/Kg	02/04/04		RM	SW8260
o-Xylene	ND	170	ug/Kg	02/04/04		RM	SW8260
p-Isopropyltoluene	ND	170	ug/Kg	02/04/04		RM	SW8260
sec-Butylbenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
Styrene	ND	170	ug/Kg	02/04/04		RM	SW8260
tert-Butylbenzene	ND	170	ug/Kg	02/04/04		RM	SW8260
Tetrachloroethene	ND	170	ug/Kg	02/04/04		RM	SW8260
Toluene	ND	170	ug/Kg	02/04/04		RM	SW8260
Total Xylenes	ND	170	ug/Kg	02/04/04		RM	SW8260
trans-1,2-Dichloroethene	ND	170	ug/Kg	02/04/04		RM	SW8260
trans-1,3-Dichloropropene	ND	170	ug/Kg	02/04/04		RM	SW8260
Trichloroethene	ND	170	ug/Kg	02/04/04		RM	SW8260
Trichlorofluoromethane	ND	170	ug/Kg	02/04/04		RM	SW8260
Vinyl chloride	ND	170	ug/Kg	02/04/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	02/04/04		RM	SW8260
% Bromofluorobenzene	95		%	02/04/04		RM	SW8260
% Dibromofluoromethane	103		%	02/04/04		RM	SW8260
% Toluene-d8	106		%	02/04/04		RM	SW8260
Aniline	ND	330	ug/Kg	02/04/04		DRC	SW8270
Semivolatiles							
1,2-Dichlorobenzene	ND	330	ug/Kg	02/04/04		DRC	SW8270
1,2-Diphenylhydrazine	ND	330	ug/Kg	02/04/04		DRC	SW8270
1,3-Dichlorobenzene	ND	330	ug/Kg	02/04/04		DRC	SW8270
1,4-Dichlorobenzene	ND	330	ug/Kg	02/04/04		DRC	SW8270
2,4-Dinitrotoluene	ND	330	ug/Kg	02/04/04		DRC	SW8270
2,6-Dinitrotoluene	ND	330	ug/Kg	02/04/04		DRC	SW8270
2-Chloronaphthalene	ND	330	ug/Kg	02/04/04		DRC	SW8270
2-Methylnaphthalene	ND	330	ug/Kg	02/04/04		DRC	SW8270
2-Nitroaniline	ND	1600	ug/Kg	02/04/04		DRC	SW8270
3,3'-Dichlorobenzidine	ND	660	ug/Kg	02/04/04		DRC	SW8270
3-Nitroaniline	ND	1600	ug/Kg	02/04/04		DRC	SW8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	02/04/04		DRC	SW8270
4-Chloroaniline	ND	660	ug/Kg	02/04/04		DRC	SW8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	02/04/04		DRC	SW8270
4-Nitroaniline	ND	1600	ug/Kg	02/04/04		DRC	SW8270
Acenaphthene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Acenaphthylene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Anthracene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzidine	ND	330	ug/Kg	02/04/04		DRC	SW8270

Client ID: AMERBELLE AM-11/5-6' **Phoenix I.D.: AF36024**

Parameter	Result	RL	Units	Date	Time	By	Reference
Benzo(a)anthracene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzo(a)pyrene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzo(b)fluoranthene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzo(g,h,i)perylene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzo(k)fluoranthene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Benzoic acid	ND	1600	ug/Kg	02/04/04		DRC	SW8270
Benzyl alcohol	ND	660	ug/Kg	02/04/04		DRC	SW8270
Benzyl butyl phthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	02/04/04		DRC	SW8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	02/04/04		DRC	SW8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	02/04/04		DRC	SW8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Chrysene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Di-n-butylphthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Di-n-octyl phthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Dibenzofuran	ND	330	ug/Kg	02/04/04		DRC	SW8270
Diethyl phthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Dimethyl phthalate	ND	330	ug/Kg	02/04/04		DRC	SW8270
Fluoranthene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Fluorene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Hexachlorobenzene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Hexachlorobutadiene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Hexachloroethane	ND	330	ug/Kg	02/04/04		DRC	SW8270
Indeno(1,2,3-c,d)pyrene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Isophorone	ND	330	ug/Kg	02/04/04		DRC	SW8270
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	02/04/04		DRC	SW8270
N-Nitrosodimethylamine	ND	330	ug/Kg	02/04/04		DRC	SW8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	02/04/04		DRC	SW8270
Naphthalene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Nitrobenzene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Phenanthrene	ND	330	ug/Kg	02/04/04		DRC	SW8270
Pyrene	ND	330	ug/Kg	02/04/04		DRC	SW8270

Comments: **ND=Not detected BDL = Below Detection Limit RL=Reporting Limit**

Semivolatile TICs: None of the compounds in the attached list were detected.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 13, 2004

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Sample Location: AM-11/5-6'

Lab Name: PHOENIX ENVIRONMENTAL LABORATORY Contract: NA

Lab Code: GEODESIGN Case No.: NA SAS No.: NA SDG No.:

Matrix:(soil/water) soil Lab Sample ID: AF36024

Sample wt/vol: 15.47 (g/mL) g Lab File ID: 0204_09.D

Level: (low/med) NA Date Received: 02/03/04

%Moisture: 9 decanted:(Y/N) NA Date Extracted: 02/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/04/04

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: NA

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	No TICs found in this sample			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AF36024

ab Name: PHOENIX ENVIRONMENTAL Contract:

ab Code: PHOEN Case No.: NA SAS No.: NA SDG No.: NA

atrix: (soil/water) soil Lab Sample ID: AF36024

ample wt/vol: 14.8 (g/mL) g Lab File ID: 0203h49.d

evel: (low/med) med Date Received: 02/03/04

Moisture: not dec. NA Date Analyzed: 02/04/04

C Column: DB624 ID: 0.18 (mm) Dilution Factor: 50

oil Extract Volume: NA (mL) Soil Aliquot Volume: 100 (uL)

umber TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/KG

	CAS NUMBER	COMPOUND NAME	RT	ST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report
February 13, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/31/04	13:17
Location Code:	GEODSIGN	Received by:	SW	02/03/04	16:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF36021
Phoenix I.D.: AF36025

Laboratory Data

Client ID: AMERBELLE S-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	74		%	02/04/04		CD/	E160.3
Soil Extraction for PCB	Completed			02/03/04		B/A	3545/3550
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	02/04/04		JH	SW 8082
PCB-1221	ND	400	ug/Kg	02/04/04		JH	SW 8082
PCB-1232	ND	400	ug/Kg	02/04/04		JH	SW 8082
PCB-1242	ND	400	ug/Kg	02/04/04		JH	SW 8082
PCB-1248	ND	400	ug/Kg	02/04/04		JH	SW 8082
PCB-1254	ND	400	ug/Kg	02/04/04		JH	SW 8082
PCB-1260	ND	400	ug/Kg	02/04/04		JH	SW 8082
PCB-1262	ND	400	ug/Kg	02/04/04		JH	SW 8082
PCB-1268	ND	400	ug/Kg	02/04/04		JH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	117		%	02/04/04		JH	SW 8082
% TCMX (Surrogate Rec)	133		%	02/04/04		JH	SW 8082

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 13, 2004

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QA/QC Report

February 02, 2004

QA/QC Data

SDG I.D.: GAF34453

Parameter	Blank	LCS %	Dup RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF34435 (AF34453, AF34454, AF34456, AF34458, AF34462)						
ICP Metals - Soil						
Aluminum	BDL	99.6	2.10	114	69.2	48.9
Antimony	BDL	93.9	NC	86.5	87.4	1.0
Arsenic	BDL	93.8	NC	90.2	90.4	0.2
Barium	BDL	102	34.6	97.6	97.3	0.3
Beryllium	BDL	102	NC	96.6	97.1	0.5
Boron	BDL		NC			
Cadmium	BDL	101	NC	95.2	96.0	0.8
Calcium	BDL		30.2			
Chromium	BDL	101	NC	94.8	96.4	1.7
Cobalt	BDL	102	109	92.7	93.6	1.0
Copper	BDL	99.4	NC	95.0	93.1	2.0
Iron	BDL	195	10.3	NC	NC	NC
Lead	BDL	99.5	NC	93.1	93.8	0.7
Magnesium	BDL		1.00			
Manganese	BDL	105	15.0	88.5	87.1	1.6
Molybdenum	BDL		NC			
Nickel	BDL	102	NC	97.2	97.6	0.4
Phosphorus	BDL		29.2			
Potassium						
Selenium	BDL	88.4	NC	85.3	85.6	0.4
Silver	BDL	98.3	NC	91.4	90.3	1.2
Sodium						
Thallium	BDL	96.2	NC	91.9	92.3	0.4
Tin	BDL		NC			
Vanadium	BDL	98.9	4.00	95.3	94.8	0.5
Zinc	BDL	94.1	0.3	89.9	88.8	1.2
QA/QC Batch Sample No: AF34435 (AF34453, AF34454, AF34456, AF34458, AF34462)						
Mercury - Soil	BDL	96	NC	89	86	3.4

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
RPD - Relative Percent Difference
LCS - Laboratory Control Sample

Phyllis Shiller, Laboratory Director
February 02, 2004

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QA/QC Report

February 02, 2004

QA/QC Data

SDG I.D.: GAF34453

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF34435 (AF34453, AF34454, AF34455, AF34456, AF34457, AF34458, AF34460, AF34461, AF34462)					
Volatiles					
1,1,1,2-Tetrachloroethane	ND	99			
1,1,1-Trichloroethane	ND	115			
1,1,2,2-Tetrachloroethane	ND	96			
1,1,2-Trichloroethane	ND	86			
1,1-Dichloroethane	ND	106			
1,1-Dichloroethene	ND	77	72	76	5.4
1,1-Dichloropropene	ND	100			
1,2,3-Trichlorobenzene	ND	104			
1,2,3-Trichloropropane	ND	91			
1,2,4-Trichlorobenzene	ND	100			
1,2,4-Trimethylbenzene	ND	92			
1,2-Dibromo-3-chloropropane	ND	99			
1,2-Dichlorobenzene	ND	98			
1,2-Dichloroethane	ND	110			
1,2-Dichloropropane	ND	100			
1,3,5-Trimethylbenzene	ND	90			
1,3-Dichlorobenzene	ND	96			
1,3-Dichloropropane	ND	97			
1,4-Dichlorobenzene	ND	96			
2,2-Dichloropropane	ND				
2-Chlorotoluene	ND	90			
4-Chlorotoluene	ND	92			
Benzene	ND	98	102	98	4.0
Bromobenzene	ND	92			
Bromochloromethane	ND	108			
Bromodichloromethane	ND	101			
Bromoform	ND	103			
Bromomethane	ND	128			
Carbon tetrachloride	ND	117			
Chlorobenzene	ND	96	94	92	2.2
Chloroethane	ND	117			

QA/QC Data

SDG I.D.: GAF34453

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Chloroform	ND	108			
Chloromethane	ND	111			
cis-1,2-Dichloroethene	ND	110			
cis-1,3-Dichloropropene	ND	99			
Dibromochloromethane	ND	100			
Dibromoethane	ND	83			
Dibromomethane	ND	105			
Dichlorodifluoromethane	ND	99			
Ethylbenzene	ND	94			
Hexachlorobutadiene	ND	92			
Isopropylbenzene	ND	89			
m&p-Xylene	ND	96			
Methyl Ethyl Ketone	ND				
Methyl t-butyl ether (MTBE)	ND				
Methylene chloride	ND	85			
n-Butylbenzene	ND	97			
n-Propylbenzene	ND	88			
Naphthalene	ND	106			
o-Xylene	ND	90			
p-Isopropyltoluene	ND	96			
sec-Butylbenzene	ND	88			
Styrene	ND	93			
tert-Butylbenzene	ND	90			
Tetrachloroethene	ND	95			
Toluene	ND	92	98	96	2.1
Total Xylenes	ND				
trans-1,2-Dichloroethene	ND	82			
trans-1,3-Dichloropropene	ND	84			
Trichloroethene	ND	98	100	98	2.0
Trichlorofluoromethane	ND	109			
Vinyl chloride	ND	91			
% Bromofluorobenzene	94	110	92	91	1.1

QA/QC Batch Sample No: AF34453 (AF34453, AF34455, AF34457, AF34459, AF34461, AF34462)

TPH by GC (Extractable Products)

Aviation Fuel/Kerosene	ND				
Fuel Oil #2/ Diesel Fuel	ND		92	96	4.3
Fuel Oil #4	ND				
Fuel Oil #6	ND				
Motor Oil	ND				
Other Oil (Cutting & Lubricating)	ND				
Unidentified	ND				

f there are any questions regarding this data, please call Phoenix Client Services at extension 200.

IS - Matrix Spike
IS Dup - Matrix Spike Duplicate
RPD - Relative Percent Difference
CS - Laboratory Control Sample

Phyllis Shiller, Laboratory Director
February 02, 2004

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QA/QC Report

February 13, 2004

QA/QC Data

SDG I.D.: GAF36021

Parameter	Blank	LCS %	Dup RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF36039 (AF36021, AF36022, AF36024)						
ICP Metals - Soil						
Aluminum	BDL	106	9.60	66.5	95.9	36.2
Antimony	BDL	95.4	NC	89.9	90.0	0.1
Arsenic	BDL	95.3	NC	92.3	92.9	0.6
Barium	BDL	106	11.9	103	104	1.0
Beryllium	BDL	103	NC	99.0	99.8	0.8
Boron	BDL		NC			
Cadmium	BDL	102	NC	98.1	99.0	0.9
Calcium	BDL		7.80			
Chromium	BDL	104	NC	98.7	100	1.3
Cobalt	BDL	105	NC	102	101	1.0
Copper	2.8	111	16.4	98.3	96.0	2.4
Iron	BDL	189	11.1	NC	NC	NC
Lead	2.0	90.4	NC	89.4	90.0	0.7
Magnesium	BDL		15.0			
Manganese	BDL	109	16.2	121	87.1	32.6
Molybdenum	BDL		NC			
Nickel	BDL	106	NC	101	102	1.0
Phosphorus	BDL		11.7			
Potassium						
Selenium	BDL	87.4	NC	85.2	85.9	0.8
Silver	BDL	81.8	NC	77.4	77.6	0.3
Sodium						
Thallium	BDL	99.8	NC	96.1	96.7	0.6
Tin	BDL		NC			
Vanadium	BDL	103	10.7	98.8	99.5	0.7
Zinc	6.50	101	13.8	90.8	91.2	0.4
QA/QC Batch Sample No: AF36039 (AF36021, AF36022, AF36024)						
Mercury - Soil	BDL	102	NC	88	90	2.2

:here are any questions regarding this data, please call Phoenix Client Services at extension 200.

S - Matrix Spike
S Dup - Matrix Spike Duplicate
PD - Relative Percent Difference
CS - Laboratory Control Sample

Phyllis Shiller, Laboratory Director
February 13, 2004

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

February 13, 2004

QA/QC Data

SDG I.D.: GAF36021

Parameter	Blank	LCS Rec %	MS Rec %	RPD
QA/QC Batch Sample No: AF35880 (AF36021, AF36024)				
Chlorine Residual	BDL	98.0	NR	NC

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

LCS - Laboratory Control Sample
MS - Matrix Spike
RPD - Relative Percent Difference Between Sample and Sample Duplicate

Phyllis Shiller, Laboratory Director
February 13, 2004

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

QA/QC Report

February 13, 2004

QA/QC Data

SDG I.D.: GAF36021

arameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
/QC Batch Sample No: AF35028 (AF36021, AF36024)					
emivolatiles					
2,4-Trichlorobenzene	ND	70	72	67	7.2
2-Dichlorobenzene	ND				
2-Diphenylhydrazine	ND				
3-Dichlorobenzene	ND				
4-Dichlorobenzene	ND	68	68	63	7.6
4,5-Trichlorophenol	ND				
4,6-Trichlorophenol	ND				
4-Dichlorophenol	ND				
4-Dimethylphenol	ND				
4-Dinitrophenol	ND				
4-Dinitrotoluene	ND	71	77	69	11.0
6-Dichlorophenol	ND				
6-Dinitrotoluene	ND				
Chloronaphthalene	ND				
Chlorophenol	ND	64	72	64	11.8
Methylnaphthalene	ND				
Methylphenol (o-cresol)	ND				
-Nitroaniline	ND				
-Nitrophenol	ND				
,3'-Dichlorobenzidine	ND				
-Nitroaniline	ND				
,6-Dinitro-2-methylphenol	ND				
-Bromophenyl phenyl ether	ND				
-Chloro-3-methylphenol	ND	109	105	100	4.9
-Chloroaniline	ND				
-Chlorophenyl phenyl ether	ND				
-Methylphenol (p-cresol)	ND				
-Nitroaniline	ND				
-Nitrophenol	ND				
cenaphthene	ND	71	78	73	6.6
cenaphthylene	ND				
nthracene	ND				

QA/QC Data

SDG I.D.: GAF36021

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Benzidine	ND				
Benzo(a)anthracene	ND				
Benzo(a)pyrene	ND				
Benzo(b)fluoranthene	ND				
Benzo(g,h,i)perylene	ND				
Benzo(k)fluoranthene	ND				
Benzoic acid	ND				
Benzyl alcohol	ND				
Benzyl butyl phthalate	ND				
Bis(2-chloroethoxy)methane	ND				
Bis(2-chloroethyl)ether	ND				
Bis(2-chloroisopropyl)ether	ND				
Bis(2-ethylhexyl)phthalate	ND				
Chrysene	ND				
Di-n-butylphthalate	ND				
Di-n-octyl phthalate	ND				
Dibenz(a,h)anthracene	ND				
Dibenzofuran	ND				
Diethyl phthalate	ND				
Dimethyl phthalate	ND				
Fluoranthene	ND				
Fluorene	ND				
Hexachlorobenzene	ND				
Hexachlorobutadiene	ND				
Hexachlorocyclopentadiene	ND				
Hexachloroethane	ND				
Indeno(1,2,3-c,d)pyrene	ND				
Isophorone	ND				
N-Nitrosodi-n-propylamine	ND	62	66	61	7.9
N-Nitrosodimethylamine	ND				
N-Nitrosodiphenylamine	ND				
Naphthalene	ND				
Nitrobenzene	ND				
Pentachlorophenol	ND	67	88	72	20.0
Phenanthrene	ND				
Phenol	ND	79	84	79	6.1
Pyrene	ND	77	83	75	10.1
Pyridine	ND				
% 2,4,6-Tribromophenol (Surrog Rec)	89	83	103	88	15.7
% 2-Fluorobiphenyl (Surrogate Rec)	80	75	80	73	9.2
% 2-Fluorophenol (Surrogate Rec)	78	68	74	68	8.5
% Nitrobenzene-d5 (Surrogate Rec)	77	70	75	68	9.8

QA/QC Data

SDG I.D.: GAF36021

ırameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Phenol-d5 (Surrogate Rec)	81	77	83	76	8.8
Terphenyl-d14 (Surrogate Rec)	75	67	73	67	8.6
A/QC Batch Sample No: AF35884 (AF36025)					
olychlorinated Biphenyls					
CB-1016	ND				
CB-1221	ND				
CB-1232	ND				
CB-1242	ND				
CB-1248	ND				
CB-1254	ND				
CB-1260	ND	109	111	97	13.5
CB-1262	ND				
CB-1268	ND				
DCBP (Surrogate Rec)	102	89	93	78	17.5
TCMX (Surrogate Rec)	94	85	85	66	25.2
A/QC Batch Sample No: AF36022 (AF36022)					
PH by GC (Extractable Products)					
viation Fuel/Kerosene	ND				
uel Oil #2/ Diesel Fuel	ND	86	82	85	3.6
uel Oil #4	ND				
uel Oil #6	ND				
Motor Oil	ND				
Other Oil (Cutting & Lubricating)	ND				
Unidentified	ND				
QA/QC Batch Sample No: AF36090 (AF36021, AF36022, AF36023, AF36024)					
Volatiles					
1,1,1,2-Tetrachloroethane	ND	103			
1,1,1-Trichloroethane	ND	117			
1,1,2,2-Tetrachloroethane	ND	109			
1,1,2-Trichloroethane	ND	105			
1,1-Dichloroethane	ND	100			
1,1-Dichloroethene	ND	109	112	120	6.9
1,1-Dichloropropene	ND	108			
1,2,3-Trichlorobenzene	ND	113			
1,2,3-Trichloropropane	ND	111			
1,2,4-Trichlorobenzene	ND	107			
1,2,4-Trimethylbenzene	ND	104			
1,2-Dibromo-3-chloropropane	ND	118			
1,2-Dichlorobenzene	ND	103			
1,2-Dichloroethane	ND	111			
1,2-Dichloropropane	ND	107			

QA/QC Data

SDG I.D.: GAF36021

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
1,3,5-Trimethylbenzene	ND	108			
1,3-Dichlorobenzene	ND	105			
1,3-Dichloropropane	ND	111			
1,4-Dichlorobenzene	ND	103			
2,2-Dichloropropane	ND				
2-Chlorotoluene	ND	106			
4-Chlorotoluene	ND	108			
Benzene	ND	101	108	112	3.6
Bromobenzene	ND	108			
Bromochloromethane	ND	113			
Bromodichloromethane	ND	110			
Bromoform	ND	105			
Bromomethane	ND	86			
Carbon tetrachloride	ND	115			
Chlorobenzene	ND	104	106	116	9.0
Chloroethane	ND	79			
Chloroform	ND	109			
Chloromethane	ND	103			
cis-1,2-Dichloroethene	ND	111			
cis-1,3-Dichloropropene	ND	112			
Dibromochloromethane	ND	113			
Dibromoethane	ND	110			
Dibromomethane	ND	115			
Dichlorodifluoromethane	ND	75			
Ethylbenzene	ND	103			
Hexachlorobutadiene	ND	105			
Isopropylbenzene	ND	114			
m&p-Xylene	ND	104			
Methyl Ethyl Ketone	ND				
Methyl t-butyl ether (MTBE)	ND				
Methylene chloride	ND	105			
n-Butylbenzene	ND	107			
n-Propylbenzene	ND	106			
Naphthalene	ND	107			
o-Xylene	ND	94			
p-Isopropyltoluene	ND	113			
sec-Butylbenzene	ND	102			
Styrene	ND	95			
tert-Butylbenzene	ND	108			
Tetrachloroethene	ND	108			
Toluene	ND	108	112	118	5.2
Total Xylenes	ND				

QA/QC Data

SDG I.D.: GAF36021

rameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
ıs-1,2-Dichloroethene	ND	105			
ıs-1,3-Dichloropropene	ND	108			
chloroethene	ND	109	110	118	7.0
chlorofluoromethane	ND	143			
yl chloride	ND	103			
Bromofluorobenzene	86	101	84	85	1.2
/QC Batch Sample No: AF36438 (AF36021, AF36024)					
ɔrmaldehyde					
rmaldehyde	BDL	118	100	112	11.3

there are any questions regarding this data, please call Phoenix Client Services at extension 200.

S - Matrix Spike
S Dup - Matrix Spike Duplicate
PD - Relative Percent Difference
CS - Laboratory Control Sample

Phyllis Shiller, Laboratory Director
February 13, 2004

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Client Services (860) 645-8726

CHAIN OF CUSTODY RECORD

DATE RCVD:

Customer: GEODESIGN INC
Address: 984 SOUTHFORD RD
MIDDLEBURY CT 06762

Project: AMERBELLE CORPORATION, VERNON
Report To: TIM CARR
Invoice To: TIM CARR

Project P.O.: 553-0.3
Phone #: (203) 758 8836
Fax #: (203) 758 8842

Client Sample – Information – Identification

Sampler's Signature: X [signature] Date: 1/31/04

Analysis Requested

Item #	Customers Sample Ident	Sample Matrix	Date	Time	8260 VOCs (5035) + *	ETPH	Total RCRA 8 metals + Cu, Ni, Zn, Antimony	Base Neutral + TICS **	Formaldehyde	Aniline	Total PCBs					VOA VIALS	PL ( ) GL ( ) HNO3 ( )	PL ( ) GL ( ) + NaOH ( )	PL ( ) GL ( ) AS IS ( )	GL + H2SO4 ( )	Field Filtered + HNO3 ( )	Bacteria Bottle ( ) ML			PHOENIX SAMPLE #
	AM-8/3-4'	Soil	1/31/04	947	X		X	X	X	X	X					2									36021
	AM-9/5-7'	↓	↓	1048	X	X	X	X								2									36022
	AM-11/1-3'	↓	↓	1408	X											2									36023
	AM-11/5-6'	↓	↓	1427	X		X	X	X	X	X					2									36024
	S-1	Soil	1/31/04	1317								X				1									36025

Item #	Relinquished by:	Accepted by:	Date:	Time:
	[signature]	[signature]	2/3/04	15:20
	[signature]	[signature]	2/3/04	16:25

Comments:
* TOP 3 TICS
** SEE ATTACHED SHEET FOR BNA TICS.

Standard lab turnaround is 10 working days. Accelerated turnarounds are always available. Check with office on prevailing surcharge. ACCELERATED TURN-AROUND TIME REQUESTED: ___1 ___2 ___3 ___4 ___5 working days.

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Client Services (860) 645-8726

CHAIN OF CUSTODY RECORD

DATE RCVD:

Customer: GEODESIGN, INC
Address: 984 SOUTHFORD RD
MIDDLEBURY CT 06762

Project: AMERBELLE, VERNON, CT
Report To: TIM CARR
Invoice To: TIM CARR

Project P.O.: 553-03
Phone #: (203) 758 8836
Fax #: (203) 758 8842

Client Sample – Information – Identification

Sampler's Signature: X [signature] Date: 1/23/04

Analysis Requested

Item #	Customers Sample Ident	Sample Matrix	Date	Time	8260 VOCs (8015) + *	EPH	Total RCRA 8 metals	Copper, Ni, Zn, Antimony	Asbestos	VOA VIALS PL( ) GL( ) HNO3 ( ) ML	PL( ) GL( ) + NaOH ( ) ML	PL( ) GL( ) AS IS ( ) ML	GL + H2SO4 ( ) ML	Field Filtered + HNO3 ( ) ML	Bacteria Bottle	PHOENIX SAMPLE #
	AM-1/1-3'	Soil	1/22/04	804		X	X								1	34453
	AM-1/3-5'	Soil		810			X								1	34454
	AM-3/3-5'			1037	X	X									2	34455
	AM-3/5-7'			1038			X								1	34456
	AM-4/3-5'			1303	X	X									2	34457
	AM-4/5-7'			1307			X								1	34458
	AM-5/3-5'			1517		X									1	34459
	AM-5/9-11'			1541	X										2	34460
	AM-6/5-6'		1/23/04	1047	X	X									2	34461
	AM-7/3-5'		1/23/04	1530		X	X		X						1	34462

Item #	Relinquished by:	Accepted by:	Date:	Time:
	[signature]	[signature]	1/26/04	12:45
	[signature]	Shawn Wilhelm	1/26/04	14:29

Comments: * top 3 TICs.

Standard lab turnaround is 10 working days. Accelerated turnarounds are always available. Check with office on prevailing surcharge. ACCELERATED TURN-AROUND TIME REQUESTED: ___1 ___2 ___3 ___4 ___5 working days.

MAK III	Chemical Name	CAS No.	German & EU Regulations	OEKO-TEX	Japan EcoMark
Category 1	4-Aminobiphenyl	92-67-1	○	○	○
	Benzidine	92-87-5	○	○	○
	4-Chloro-o-toluidine	95-69-2	○	○	○
	2-Naphthylamine	91-59-8	○	○	○
Category 2	o-Aminoazotoluene	97-56-3	○	○	○
	2-Amino-4-nitorotoluene	99-55-8	○	○	○
	p-Chloroaniline	106-47-8	○	○	○
	2,4-Diaminoanisole	615-05-4	○	○	○
	4,4'-Diaminobiphenylmethane	101-77-9	○	○	○
	3,3'-Dichlorobenzidine	91-94-1	○	○	○
	3,3'-Dimethoxybenzidine	119-90-4	○	○	○
	3,3'-Dimethylbenzidine	119-93-7	○	○	○
	3,3'-Dimethyl-4,4'-diaminobiphenylmethane	838-88-0	○	○	○
	p-Cresidine	120-71-8	○	○	○
	4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	○	○	○
	4,4'-Oxydianiline	101-80-4	○	○	○
	4,4'-Thiodianiline	139-65-1	○	○	○
	o-Toluidine	95-53-4	○	○	○
	2,4-Toluylendiamine	95-80-7	○	○	○
	2,4,5-Trimethylaniline	137-17-7	○	○	○
	0-Anisidine	90-04-0	○	○	○
	p-Aminoazobenzene	60-90-3	○	○	○
	2,4-Xylidine	95-68-1	—	○	○
	2,6-Xylidine	87-62-7	—	○	○

Note: "○" indicates that the amine is subject to the indicated regulations.

APPENDIX 4
LABORATORY DATA - GROUNDWATER

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report
February 11, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		01/29/04	11:15
Location Code:	GEODSIGN	Received by:	SW	01/29/04	14:20
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34957
Phoenix I.D.: AF34958

Laboratory Data

Client ID: AMERBELLE AM-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Arsenic (Dissolved)	BDL	0.004	mg/L	01/30/04		RS	200.9
Barium (Dissolved)	0.038	0.002	mg/L	02/02/04		EK	6010/E200.7
Cadmium (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Chromium (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Copper (Dissolved)	0.002	0.001	mg/L	02/02/04		EK	6010/E200.7
Mercury (Dissolved)	BDL	0.0002	mg/L	01/30/04		RS	SW-7470
Nickel (Dissolved)	BDL	0.002	mg/L	02/02/04		EK	200.7/6010
Lead (Dissolved)	BDL	0.001	mg/L	01/30/04		RS	7421/E239.2
Antimony (Dissolved)	BDL	0.005	mg/L	02/03/04		RS	7041/E204.2
Selenium (Dissolved)	BDL	0.005	mg/L	01/30/04		RS	SW7740/270.2
Zinc (Dissolved)	0.004	0.002	mg/L	02/02/04		EK	200.7/6010
Filtration Dissolved Metals	Completed			01/29/04		AG	.45um Filter
Dissolved Mercury Digestion	Completed		NA	01/30/04		DM	SW7470
Dissolved Metals Preparation	Completed			01/29/04		AG	SW846-3005
Dimethyl Formamide	BDL	1000	ug/L	02/11/04		JH	SW8032
Methyl isobutyl ketone	BDL	10	ug/L	01/30/04		RM	SW8021/8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1,1-Trichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260

Client ID: AMERBELLE AM-1 Phoenix I.D.: AF34958

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	01/30/04		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	01/30/04		RM	SW8260
Benzene	ND	5	ug/L	01/30/04		RM	SW8260
Bromobenzene	ND	5	ug/L	01/30/04		RM	SW8260
Bromochloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Bromodichloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Bromoform	ND	5	ug/L	01/30/04		RM	SW8260
Bromomethane	ND	5	ug/L	01/30/04		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	01/30/04		RM	SW8260
Chlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
Chloroethane	ND	5	ug/L	01/30/04		RM	SW8260
Chloroform	ND	5	ug/L	01/30/04		RM	SW8260
Chloromethane	ND	5	ug/L	01/30/04		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
Dibromochloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Dibromoethane	ND	5	ug/L	01/30/04		RM	SW8260
Dibromomethane	ND	5	ug/L	01/30/04		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	01/30/04		RM	SW8260
Ethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	01/30/04		RM	SW8260
Isopropylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
m&p-Xylene	ND	5	ug/L	01/30/04		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	01/30/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/30/04		RM	SW8260
Methylene chloride	ND	5	ug/L	01/30/04		RM	SW8260
n-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
n-Propylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Naphthalene	ND	5	ug/L	01/30/04		RM	SW8260
o-Xylene	ND	5	ug/L	01/30/04		RM	SW8260

Client ID: AMERBELLE AM-1 Phoenix I.D.: AF34958

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	5	ug/L	01/30/04		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Styrene	ND	5	ug/L	01/30/04		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Tetrachloroethene	ND	5	ug/L	01/30/04		RM	SW8260
Toluene	ND	5	ug/L	01/30/04		RM	SW8260
Total Xylenes	ND	5	ug/L	01/30/04		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
Trichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	01/30/04		RM	SW8260
Vinyl chloride	ND	5	ug/L	01/30/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	01/30/04		RM	SW8260
% Bromofluorobenzene	95		%	01/30/04		RM	SW8260
% Dibromofluoromethane	102		%	01/30/04		RM	SW8260
% Toluene-d8	104		%	01/30/04		RM	SW8260

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 11, 2004

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 09, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		01/31/04	11:58
Location Code:	GEODSIGN	Received by:	KJB	02/03/04	16:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	55303				

SDG I.D.: GAF36026
Phoenix I.D.: AF36026

Laboratory Data

Client ID: AMERBELLE AM-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Extraction of CT ETPH	Completed			02/03/04		H/M	3550/5030
Formaldehyde Prep for HPLC	completed			02/03/04		X	
Semi-Volatile Extraction	Completed			02/03/04		X/R	SW3510/3520
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.1	mg/L	02/05/04		JRB	M8100CT
Identification	ND		mg/L	02/05/04		JRB	M8100CT
Formaldehyde	BDL	100	ug/L	02/04/04		RM	SW8315
Aniline	ND	10.0	ug/L	02/04/04		DRC	E625

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 09, 2004

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 11, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		01/29/04	10:30
Location Code:	GEODSIGN	Received by:	SW	01/29/04	14:20
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34957
Phoenix I.D.: AF34957

Laboratory Data

Client ID: AMERBELLE AM-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Arsenic (Dissolved)	BDL	0.004	mg/L	01/30/04		RS	200.9
Barium (Dissolved)	0.041	0.002	mg/L	02/02/04		EK	6010/E200.7
Cadmium (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Chromium (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Copper (Dissolved)	0.002	0.001	mg/L	02/02/04		EK	6010/E200.7
Mercury (Dissolved)	BDL	0.0002	mg/L	01/30/04		RS	SW-7470
Nickel (Dissolved)	0.003	0.002	mg/L	02/02/04		EK	200.7/6010
Lead (Dissolved)	BDL	0.001	mg/L	01/30/04		RS	7421/E239.2
Antimony (Dissolved)	BDL	0.005	mg/L	02/03/04		RS	7041/E204.2
Selenium (Dissolved)	BDL	0.005	mg/L	01/30/04		RS	SW7740/270.2
Zinc (Dissolved)	0.009	0.002	mg/L	02/02/04		EK	200.7/6010
Extraction of CT ETPH	Completed			01/29/04		H	3550/5030
Filtration Dissolved Metals	Completed			01/29/04		AG	.45um Filter
Formaldehyde Prep for HPLC	Completed			01/29/04		H/R	
Dissolved Mercury Digestion	Completed		NA	01/30/04		DM	SW7470
Semi-Volatile Extraction	Completed			01/30/04		X/H	SW3510/3520
Dissolved Metals Preparation	Completed			01/29/04		AG	SW846-3005
Dimethyl Formamide	BDL	1000	ug/L	02/11/04		JH	SW8032
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	0.1	mg/L	02/02/04		JRB	M8100CT
Identification	ND		mg/L	02/02/04		JRB	M8100CT
Formaldehyde	BDL	100	ug/L	01/31/04		RM	SW8315

Client ID: AMERBELLE AM-3 Phoenix I.D.: AF34957

Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl isobutyl ketone	BDL	10	ug/L	01/30/04		RM	SW8021/8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1,1-Trichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	01/30/04		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	01/30/04		RM	SW8260
Benzene	ND	5	ug/L	01/30/04		RM	SW8260
Bromobenzene	ND	5	ug/L	01/30/04		RM	SW8260
Bromochloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Bromodichloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Bromoform	ND	5	ug/L	01/30/04		RM	SW8260
Bromomethane	ND	5	ug/L	01/30/04		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	01/30/04		RM	SW8260
Chlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
Chloroethane	ND	5	ug/L	01/30/04		RM	SW8260
Chloroform	ND	5	ug/L	01/30/04		RM	SW8260
Chloromethane	ND	5	ug/L	01/30/04		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
Dibromochloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Dibromoethane	ND	5	ug/L	01/30/04		RM	SW8260
Dibromomethane	ND	5	ug/L	01/30/04		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	01/30/04		RM	SW8260
Ethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	01/30/04		RM	SW8260
Isopropylbenzene	ND	5	ug/L	01/30/04		RM	SW8260

Client ID: AMERBELLE AM-3 Phoenix I.D.: AF34957

Parameter	Result	RL	Units	Date	Time	By	Reference
m&p-Xylene	ND	5	ug/L	01/30/04		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	01/30/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/30/04		RM	SW8260
Methylene chloride	ND	5	ug/L	01/30/04		RM	SW8260
n-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
n-Propylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Naphthalene	ND	5	ug/L	01/30/04		RM	SW8260
o-Xylene	ND	5	ug/L	01/30/04		RM	SW8260
p-Isopropyltoluene	ND	5	ug/L	01/30/04		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Styrene	ND	5	ug/L	01/30/04		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Tetrachloroethene	ND	5	ug/L	01/30/04		RM	SW8260
Toluene	ND	5	ug/L	01/30/04		RM	SW8260
Total Xylenes	ND	5	ug/L	01/30/04		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
Trichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	01/30/04		RM	SW8260
Vinyl chloride	ND	5	ug/L	01/30/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	01/30/04		RM	SW8260
% Bromofluorobenzene	99		%	01/30/04		RM	SW8260
% Dibromofluoromethane	99		%	01/30/04		RM	SW8260
% Toluene-d8	104		%	01/30/04		RM	SW8260
Aniline	ND	10.0	ug/L	02/02/04		DRC	E625

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 11, 2004

PHOENIX
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 11, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		01/29/04	12:37
Location Code:	GEODSIGN	Received by:	SW	01/29/04	14:20
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34957
Phoenix I.D.: AF34959

Laboratory Data

Client ID: AMERBELLE AM-4

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Arsenic (Dissolved)	BDL	0.004	mg/L	01/30/04		RS	200.9
Barium (Dissolved)	0.048	0.002	mg/L	02/02/04		EK	6010/E200.7
Cadmium (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Chromium (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Copper (Dissolved)	0.003	0.001	mg/L	02/02/04		EK	6010/E200.7
Mercury (Dissolved)	BDL	0.0002	mg/L	01/30/04		RS	SW-7470
Nickel (Dissolved)	0.003	0.002	mg/L	02/02/04		EK	200.7/6010
Lead (Dissolved)	BDL	0.001	mg/L	01/30/04		RS	7421/E239.2
Antimony (Dissolved)	BDL	0.005	mg/L	02/03/04		RS	7041/E204.2
Selenium (Dissolved)	BDL	0.005	mg/L	01/30/04		RS	SW7740/270.2
Zinc (Dissolved)	0.005	0.002	mg/L	02/02/04		EK	200.7/6010
Extraction of CT ETPH	Completed			01/29/04		H	3550/5030
Filtration Dissolved Metals	Completed			01/29/04		AG	.45um Filter
Dissolved Mercury Digestion	Completed		NA	01/30/04		DM	SW7470
Dissolved Metals Preparation	Completed			01/29/04		AG	SW846-3005
Dimethyl Formamide	BDL	1000	ug/L	02/11/04		JH	SW8032
TPH by GC (Extractable Products)							
Ext. Petroleum HC	0.26	0.1	mg/L	02/02/04		JRB	M8100CT
Identification	**		mg/L	02/02/04		JRB	M8100CT
Methyl isobutyl ketone	BDL	10	ug/L	01/30/04		RM	SW8021/8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	01/30/04		RM	SW8260

Client ID: AMERBELLE AM-4 Phoenix I.D.: AF34959

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,1-Trichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	01/30/04		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	01/30/04		RM	SW8260
Benzene	ND	5	ug/L	01/30/04		RM	SW8260
Bromobenzene	ND	5	ug/L	01/30/04		RM	SW8260
Bromochloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Bromodichloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Bromoform	ND	5	ug/L	01/30/04		RM	SW8260
Bromomethane	ND	5	ug/L	01/30/04		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	01/30/04		RM	SW8260
Chlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
Chloroethane	ND	5	ug/L	01/30/04		RM	SW8260
Chloroform	ND	5	ug/L	01/30/04		RM	SW8260
Chloromethane	ND	5	ug/L	01/30/04		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
Dibromochloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Dibromoethane	ND	5	ug/L	01/30/04		RM	SW8260
Dibromomethane	ND	5	ug/L	01/30/04		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	01/30/04		RM	SW8260
Ethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	01/30/04		RM	SW8260
Isopropylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
m&p-Xylene	ND	5	ug/L	01/30/04		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	01/30/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/30/04		RM	SW8260

Client ID: AMERBELLE AM-4 **Phoenix I.D.: AF34959**

Parameter	Result	RL	Units	Date	Time	By	Reference
Methylene chloride	ND	5	ug/L	01/30/04		RM	SW8260
n-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
n-Propylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Naphthalene	ND	5	ug/L	01/30/04		RM	SW8260
o-Xylene	ND	5	ug/L	01/30/04		RM	SW8260
p-Isopropyltoluene	ND	5	ug/L	01/30/04		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Styrene	ND	5	ug/L	01/30/04		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Tetrachloroethene	ND	5	ug/L	01/30/04		RM	SW8260
Toluene	ND	5	ug/L	01/30/04		RM	SW8260
Total Xylenes	ND	5	ug/L	01/30/04		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
Trichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	01/30/04		RM	SW8260
Vinyl chloride	ND	5	ug/L	01/30/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	106		%	01/30/04		RM	SW8260
% Bromofluorobenzene	103		%	01/30/04		RM	SW8260
% Dibromofluoromethane	99		%	01/30/04		RM	SW8260
% Toluene-d8	106		%	01/30/04		RM	SW8260

Comments: **ND=Not detected BDL = Below Detection Limit RL=Reporting Limit**

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains discreet peaks in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 11, 2004

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

February 09, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		01/31/04	10:07
Location Code:	GEODSIGN	Received by:	KJB	02/03/04	16:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	55303				

SDG I.D.: GAF36026
Phoenix I.D.: AF36027

Laboratory Data

Client ID: AMERBELLE AM-4

Parameter	Result	RL	Units	Date	Time	By	Reference
Formaldehyde Prep for HPLC	Completed			02/03/04		X	
Semi-Volatile Extraction	Completed			02/03/04		X/R	SW3510/3520
Formaldehyde	BDL	100	ug/L	02/04/04		RM	SW8315
Aniline	ND	10.0	ug/L	02/04/04		DRC	E625

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
February 09, 2004

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Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report
February 11, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		01/29/04	14:30
Location Code:	GEODSIGN	Received by:	SW	01/29/04	14:20
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34957
Phoenix I.D.: AF34960

Laboratory Data

Client ID: AMERBELLE AM-7

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Arsenic (Dissolved)	0.011	0.004	mg/L	01/30/04		RS	200.9
Barium (Dissolved)	0.012	0.002	mg/L	02/02/04		EK	6010/E200.7
Cadmium (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Chromium (Dissolved)	0.002	0.001	mg/L	02/02/04		EK	200.7/6010
Copper (Dissolved)	0.082	0.001	mg/L	02/02/04		EK	6010/E200.7
Mercury (Dissolved)	BDL	0.0002	mg/L	02/02/04		RS	SW-7470
Nickel (Dissolved)	BDL	0.002	mg/L	02/02/04		EK	200.7/6010
Lead (Dissolved)	0.008	0.001	mg/L	01/30/04		RS	7421/E239.2
Antimony (Dissolved)	BDL	0.005	mg/L	02/03/04		RS	7041/E204.2
Selenium (Dissolved)	BDL	0.005	mg/L	01/30/04		RS	SW7740/270.2
Zinc (Dissolved)	0.009	0.002	mg/L	02/02/04		EK	200.7/6010
Extraction of CT ETPH	Completed			01/29/04		H	3550/5030
Filtration Dissolved Metals	Completed			01/29/04		AG	.45um Filter
Dissolved Mercury Digestion	Completed		NA	02/02/04		DM	SW7470
Dissolved Metals Preparation	Completed			01/29/04		AG	SW846-3005
Dimethyl Formamide	BDL	1000	ug/L	02/11/04		JH	SW8032
TPH by GC (Extractable Products)							
Ext. Petroleum HC	0.59	0.1	mg/L	02/02/04		JRB	M8100CT
Identification	**		mg/L	02/02/04		JRB	M8100CT
Methyl isobutyl ketone	BDL	10	ug/L	01/30/04		RM	SW8021/8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	01/30/04		RM	SW8260

Client ID: AMERBELLE AM-7 Phoenix I.D.: AF34960

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1,1-Trichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
1,1-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	01/30/04		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	01/30/04		RM	SW8260
Benzene	ND	5	ug/L	01/30/04		RM	SW8260
Bromobenzene	ND	5	ug/L	01/30/04		RM	SW8260
Bromochloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Bromodichloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Bromoform	ND	5	ug/L	01/30/04		RM	SW8260
Bromomethane	ND	5	ug/L	01/30/04		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	01/30/04		RM	SW8260
Chlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
Chloroethane	ND	5	ug/L	01/30/04		RM	SW8260
Chloroform	ND	5	ug/L	01/30/04		RM	SW8260
Chloromethane	ND	5	ug/L	01/30/04		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
Dibromochloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Dibromoethane	ND	5	ug/L	01/30/04		RM	SW8260
Dibromomethane	ND	5	ug/L	01/30/04		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	01/30/04		RM	SW8260
Ethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	01/30/04		RM	SW8260
Isopropylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
m&p-Xylene	ND	5	ug/L	01/30/04		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	01/30/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/30/04		RM	SW8260

Client ID: AMERBELLE AM-7 **Phoenix I.D.: AF34960**

Parameter	Result	RL	Units	Date	Time	By	Reference
Methylene chloride	ND	5	ug/L	01/30/04		RM	SW8260
n-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
n-Propylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Naphthalene	ND	5	ug/L	01/30/04		RM	SW8260
o-Xylene	ND	5	ug/L	01/30/04		RM	SW8260
p-Isopropyltoluene	ND	5	ug/L	01/30/04		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Styrene	ND	5	ug/L	01/30/04		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Tetrachloroethene	ND	5	ug/L	01/30/04		RM	SW8260
Toluene	ND	5	ug/L	01/30/04		RM	SW8260
Total Xylenes	ND	5	ug/L	01/30/04		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
Trichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	01/30/04		RM	SW8260
Vinyl chloride	ND	5	ug/L	01/30/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105		%	01/30/04		RM	SW8260
% Bromofluorobenzene	98		%	01/30/04		RM	SW8260
% Dibromofluoromethane	101		%	01/30/04		RM	SW8260
% Toluene-d8	104		%	01/30/04		RM	SW8260

Comments: **ND=Not detected BDL = Below Detection Limit RL=Reporting Limit**

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains discreet peaks in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 11, 2004

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 09, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		01/31/04	14:17
Location Code:	GEODSIGN	Received by:	KJB	02/03/04	16:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	55303				

SDG I.D.: GAF36026
Phoenix I.D.: AF36028

Laboratory Data

Client ID: AMERBELLE AM-7

Parameter	Result	RL	Units	Date	Time	By	Reference
Formaldehyde Prep for HPLC	Completed			02/03/04		X	
Semi-Volatile Extraction	Completed			02/03/04		X/R	SW3510/3520
Formaldehyde	BDL	100	ug/L	02/04/04		RM	SW8315
Aniline	ND	10.0	ug/L	02/04/04		DRC	E625

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
February 09, 2004

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report

February 11, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		01/29/04	0:00
Location Code:	GEODSIGN	Received by:	SW	01/29/04	14:20
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34957
Phoenix I.D.: AF34962

Laboratory Data

Client ID: AMERBELLE TB-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl isobutyl ketone	BDL	10	ug/L	01/30/04		RM	SW8021/8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	01/29/04		RM	SW8260
1,1,1-Trichloroethane	ND	5	ug/L	01/29/04		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	01/29/04		RM	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	01/29/04		RM	SW8260
1,1-Dichloroethane	ND	5	ug/L	01/29/04		RM	SW8260
1,1-Dichloroethene	ND	5	ug/L	01/29/04		RM	SW8260
1,1-Dichloropropene	ND	5	ug/L	01/29/04		RM	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	01/29/04		RM	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	01/29/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	01/29/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	01/29/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	01/29/04		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	01/29/04		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	01/29/04		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	01/29/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	01/29/04		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	01/29/04		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	01/29/04		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	01/29/04		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	01/29/04		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	01/29/04		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	01/29/04		RM	SW8260

Client ID: AMERBELLE TB-1 Phoenix I.D.: AF34962

Parameter	Result	RL	Units	Date	Time	By	Reference
Benzene	ND	5	ug/L	01/29/04		RM	SW8260
Bromobenzene	ND	5	ug/L	01/29/04		RM	SW8260
Bromochloromethane	ND	5	ug/L	01/29/04		RM	SW8260
Bromodichloromethane	ND	5	ug/L	01/29/04		RM	SW8260
Bromoform	ND	5	ug/L	01/29/04		RM	SW8260
Bromomethane	ND	5	ug/L	01/29/04		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	01/29/04		RM	SW8260
Chlorobenzene	ND	5	ug/L	01/29/04		RM	SW8260
Chloroethane	ND	5	ug/L	01/29/04		RM	SW8260
Chloroform	ND	5	ug/L	01/29/04		RM	SW8260
Chloromethane	ND	5	ug/L	01/29/04		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	01/29/04		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	01/29/04		RM	SW8260
Dibromochloromethane	ND	5	ug/L	01/29/04		RM	SW8260
Dibromoethane	ND	5	ug/L	01/29/04		RM	SW8260
Dibromomethane	ND	5	ug/L	01/29/04		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	01/29/04		RM	SW8260
Ethylbenzene	ND	5	ug/L	01/29/04		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	01/29/04		RM	SW8260
Isopropylbenzene	ND	5	ug/L	01/29/04		RM	SW8260
m&p-Xylene	ND	5	ug/L	01/29/04		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	01/29/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/29/04		RM	SW8260
Methylene chloride	ND	5	ug/L	01/29/04		RM	SW8260
n-Butylbenzene	ND	5	ug/L	01/29/04		RM	SW8260
n-Propylbenzene	ND	5	ug/L	01/29/04		RM	SW8260
Naphthalene	ND	5	ug/L	01/29/04		RM	SW8260
o-Xylene	ND	5	ug/L	01/29/04		RM	SW8260
p-Isopropyltoluene	ND	5	ug/L	01/29/04		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	01/29/04		RM	SW8260
Styrene	ND	5	ug/L	01/29/04		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	01/29/04		RM	SW8260
Tetrachloroethene	ND	5	ug/L	01/29/04		RM	SW8260
Toluene	ND	5	ug/L	01/29/04		RM	SW8260
Total Xylenes	ND	5	ug/L	01/29/04		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	01/29/04		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	01/29/04		RM	SW8260
Trichloroethene	ND	5	ug/L	01/29/04		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	01/29/04		RM	SW8260
Vinyl chloride	ND	5	ug/L	01/29/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	01/29/04		RM	SW8260
% Bromofluorobenzene	104		%	01/29/04		RM	SW8260
% Dibromofluoromethane	101		%	01/29/04		RM	SW8260

Client ID: AMERBELLE TB-1 Phoenix I.D.: AF34962

'arameter	Result	RL	Units	Date	Time	By	Reference
, Toluene-d8	101		%	01/29/04		RM	SW8260

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

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f there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 11, 2004

PHOENIX
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac

Analysis Report
February 11, 2004

FOR: Attn: Mr. Tim Carr
GeoDesign
984 Southford Road
Middlebury, CT 06762

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		01/29/04	13:09
Location Code:	GEODSIGN	Received by:	SW	01/29/04	14:20
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	553-03				

SDG I.D.: GAF34957
Phoenix I.D.: AF34961

Laboratory Data

Client ID: AMERBELLE W-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Arsenic (Dissolved)	0.004	0.004	mg/L	01/30/04		RS	200.9
Barium (Dissolved)	0.01	0.002	mg/L	02/02/04		EK	6010/E200.7
Cadmium (Dissolved)	BDL	0.001	mg/L	02/02/04		EK	200.7/6010
Chromium (Dissolved)	0.001	0.001	mg/L	02/02/04		EK	200.7/6010
Copper (Dissolved)	0.028	0.001	mg/L	02/02/04		EK	6010/E200.7
Mercury (Dissolved)	BDL	0.0002	mg/L	02/02/04		RS	SW-7470
Nickel (Dissolved)	0.041	0.002	mg/L	02/02/04		EK	200.7/6010
Lead (Dissolved)	0.001	0.001	mg/L	01/30/04		RS	7421/E239.2
Antimony (Dissolved)	BDL	0.005	mg/L	02/03/04		RS	7041/E204.2
Selenium (Dissolved)	BDL	0.005	mg/L	01/30/04		RS	SW7740/270.2
Zinc (Dissolved)	0.171	0.002	mg/L	02/02/04		EK	200.7/6010
Extraction of CT ETPH	Completed			01/29/04		H	3550/5030
Filtration Dissolved Metals	Completed			01/29/04		AG	.45um Filter
Formaldehyde Prep for HPLC	Completed			01/29/04		H/R	
Dissolved Mercury Digestion	Completed		NA	02/02/04		DM	SW7470
Semi-Volatile Extraction	Completed			01/30/04		X/H	SW3510/3520
Library Search	Completed			02/09/04		DRC	8270
Dissolved Metals Preparation	Completed			01/29/04		AG	SW846-3005
Dimethyl Formamide	BDL	1000	ug/L	02/11/04		JH	SW8032
TPH by GC (Extractable Products)							
Ext. Petroleum HC	1.1	0.1	mg/L	02/02/04		JRB	M8100CT
Identification	**		mg/L	02/02/04		JRB	M8100CT

Client ID: AMERBELLE W-1 Phoenix I.D.: AF34961

arameter	Result	RL	Units	Date	Time	By	Reference
ormaldehyde	BDL	100	ug/L	01/31/04		RM	SW8315
ethyl isobutyl ketone	BDL	10	ug/L	01/30/04		RM	SW8021/8260
olatiles							
,1,1,2-Tetrachloroethane	ND	5	ug/L	01/30/04		RM	SW8260
,1,1-Trichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
,1,2,2-Tetrachloroethane	ND	5	ug/L	01/30/04		RM	SW8260
,1,2-Trichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
,1-Dichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
,1-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
,1-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
,2,3-Trichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
,2,3-Trichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichloroethane	ND	5	ug/L	01/30/04		RM	SW8260
1,2-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
1,3-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
2,2-Dichloropropane	ND	5	ug/L	01/30/04		RM	SW8260
2-Chlorotoluene	ND	5	ug/L	01/30/04		RM	SW8260
4-Chlorotoluene	ND	5	ug/L	01/30/04		RM	SW8260
Benzene	ND	5	ug/L	01/30/04		RM	SW8260
Bromobenzene	ND	5	ug/L	01/30/04		RM	SW8260
Bromochloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Bromodichloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Bromoform	ND	5	ug/L	01/30/04		RM	SW8260
Bromomethane	ND	5	ug/L	01/30/04		RM	SW8260
Carbon tetrachloride	ND	5	ug/L	01/30/04		RM	SW8260
Chlorobenzene	ND	5	ug/L	01/30/04		RM	SW8260
Chloroethane	120	5	ug/L	01/30/04		RM	SW8260
Chloroform	ND	5	ug/L	01/30/04		RM	SW8260
Chloromethane	ND	5	ug/L	01/30/04		RM	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
Dibromochloromethane	ND	5	ug/L	01/30/04		RM	SW8260
Dibromoethane	ND	5	ug/L	01/30/04		RM	SW8260
Dibromomethane	ND	5	ug/L	01/30/04		RM	SW8260
Dichlorodifluoromethane	ND	5	ug/L	01/30/04		RM	SW8260
Ethylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Hexachlorobutadiene	ND	5	ug/L	01/30/04		RM	SW8260

Client ID: AMERBELLE W-1 Phoenix I.D.: AF34961

Parameter	Result	RL	Units	Date	Time	By	Reference
Isopropylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
m&p-Xylene	ND	5	ug/L	01/30/04		RM	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	01/30/04		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/30/04		RM	SW8260
Methylene chloride	ND	5	ug/L	01/30/04		RM	SW8260
n-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
n-Propylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Naphthalene	ND	5	ug/L	01/30/04		RM	SW8260
o-Xylene	ND	5	ug/L	01/30/04		RM	SW8260
p-Isopropyltoluene	ND	5	ug/L	01/30/04		RM	SW8260
sec-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Styrene	ND	5	ug/L	01/30/04		RM	SW8260
tert-Butylbenzene	ND	5	ug/L	01/30/04		RM	SW8260
Tetrachloroethene	ND	5	ug/L	01/30/04		RM	SW8260
Toluene	ND	5	ug/L	01/30/04		RM	SW8260
Total Xylenes	ND	5	ug/L	01/30/04		RM	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	01/30/04		RM	SW8260
Trichloroethene	ND	5	ug/L	01/30/04		RM	SW8260
Trichlorofluoromethane	ND	5	ug/L	01/30/04		RM	SW8260
Vinyl chloride	ND	5	ug/L	01/30/04		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	01/30/04		RM	SW8260
% Bromofluorobenzene	103		%	01/30/04		RM	SW8260
% Dibromofluoromethane	99		%	01/30/04		RM	SW8260
% Toluene-d8	105		%	01/30/04		RM	SW8260
Aniline	ND	10.0	ug/L	02/02/04		DRC	E625
Semivolatiles							
1,2-Dichlorobenzene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
1,2-Diphenylhydrazine	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
1,3-Dichlorobenzene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
1,4-Dichlorobenzene	14	10.0	ug/L	02/02/04		DRC	E625/SW8270
2,4-Dinitrotoluene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
2,6-Dinitrotoluene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
2-Chloronaphthalene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
2-Methylnaphthalene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
2-Nitroaniline	ND	50.0	ug/L	02/02/04		DRC	E625/SW8270
3,3'-Dichlorobenzidine	ND	20.0	ug/L	02/02/04		DRC	E625/SW8270
3-Nitroaniline	ND	50.0	ug/L	02/02/04		DRC	E625/SW8270
4-Bromophenyl phenyl ether	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
4-Chloroaniline	ND	20.0	ug/L	02/02/04		DRC	E625/SW8270
4-Chlorophenyl phenyl ether	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
4-Nitroaniline	ND	50.0	ug/L	02/02/04		DRC	E625/SW8270

Client ID: AMERBELLE W-1 Phoenix I.D.: AF34961

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Acenaphthylene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Anthracene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Benzidine	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Benzo(a)anthracene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Benzo(a)pyrene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Benzo(b)fluoranthene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Benzo(g,h,i)perylene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Benzo(k)fluoranthene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Benzoic acid	ND	50.0	ug/L	02/02/04		DRC	E625/SW8270
Benzyl alcohol	ND	20.0	ug/L	02/02/04		DRC	E625/SW8270
Benzyl butyl phthalate	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Bis(2-chloroethoxy)methane	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Bis(2-chloroethyl)ether	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Bis(2-chloroisopropyl)ether	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Bis(2-ethylhexyl)phthalate	11	10.0	ug/L	02/02/04		DRC	E625/SW8270
Chrysene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Di-n-butylphthalate	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Di-n-octyl phthalate	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Dibenz(a,h)anthracene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Dibenzofuran	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Diethyl phthalate	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Dimethyl phthalate	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Fluoranthene	13	10.0	ug/L	02/02/04		DRC	E625/SW8270
Fluorene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Hexachlorobenzene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Hexachlorobutadiene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Hexachlorocyclopentadiene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Hexachloroethane	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Indeno(1,2,3-c,d)pyrene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Isophorone	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
N-Nitrosodi-n-propylamine	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
N-Nitrosodimethylamine	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
N-Nitrosodiphenylamine	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Naphthalene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Nitrobenzene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Phenanthrene	ND	10.0	ug/L	02/02/04		DRC	E625/SW8270
Pyrene	12	10.0	ug/L	02/02/04		DRC	E625/SW8270

Comments: **ND=Not detected BDL = Below Detection Limit RL=Reporting Limit**

*Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, ut contains discreet peaks in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

None of the compounds from the attached compound list were detected in the Semi-volatile library search.

f there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 11, 2004

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Sample Location: W-1

Lab Name: PHOENIX ENVIRONMENTAL LABORATORY Contract: NA

Lab Code: GEODESIGN Case No.: NA SAS No.: NA SDG No.:

Matrix:(soil/water) water Lab Sample ID: AF34961

Sample wt/vol: 960 (g/mL) mL Lab File ID: 0202_13.D

Level: (low/med) NA Date Received: 01/29/04

%Moisture: NA decanted:(Y/N) Y Date Extracted: 01/30/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/02/04

Injection Volume: 1 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: NA

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	445-03-4	Benzenamine, 4-chloro-2-(trifluoromethyl)	5.165	26	98
2.	-	Phenol, 4-(2,2,4-trimethylpentyl)-	7.704	80	96
3.	67698-82-2	Benzene, 1-methoxy-4-octyl-	8.138	52	27
4.	27193-86-8	Phenol, dodecyl-	8.197	190	39
5.	136-83-4	2-Nonylphenol	8.244	120	76
6.	104-40-5	4-Nonylphenol	8.285	130	81
7.	25154-52-3	Phenol, nonyl-	8.426	91	59
8.	27193-86-8	Phenol, dodecyl-	8.468	210	45
9.	16707-41-8	1H-Pyrrole-2,5-dione, 1-[4-(2-benzoxazoly	11.670	54	34
10.					
11.					
12.					
13.					
14.					
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29.					
30.					

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QA/QC Report

February 09, 2004

QA/QC Data

SDG I.D.: GAF36026

Parameter	Blank	LCS Rec %	MS Rec %	RPD
QA/QC Batch Sample No: AF35880 (AF36026, AF36027, AF36028)				
Chlorine Residual	BDL	98.0	NR	NC

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

LCS - Laboratory Control Sample
MS - Matrix Spike
RPD - Relative Percent Difference Between Sample and Sample Duplicate

Phyllis Shiller, Laboratory Director
February 09, 2004

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QA/QC Report

February 09, 2004

QA/QC Data

SDG I.D.: GAF36026

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF34268 (AF36026)					
TPH by GC (Extractable Products)					
Aviation Fuel/Kerosene	ND				
Fuel Oil #2/ Diesel Fuel	ND		80	71	11.9
Fuel Oil #4	ND				
Fuel Oil #6	ND				
Motor Oil	ND				
Other Oil (Cutting & Lubricating)	ND				
Unidentified	ND				

Comment: A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch Sample No: AF34463 (AF36026, AF36027, AF36028)

Semivolatiles					
1,2,4-Trichlorobenzene	ND				
1,2-Dichlorobenzene	ND				
1,2-Diphenylhydrazine	ND				
1,3-Dichlorobenzene	ND				
1,4-Dichlorobenzene	ND				
2,4,5-Trichlorophenol	ND				
2,4,6-Trichlorophenol	ND				
2,4-Dichlorophenol	ND				
2,4-Dimethylphenol	ND				
2,4-Dinitrophenol	ND				
2,4-Dinitrotoluene	ND				
2,6-Dichlorophenol	ND				
2,6-Dinitrotoluene	ND				
2-Chloronaphthalene	ND				
2-Chlorophenol	ND				
2-Methylnaphthalene	ND				
2-Methylphenol (o-cresol)	ND				
2-Nitroaniline	ND				
2-Nitrophenol	ND				
3&4-Methylphenol (m&p-cresol)	ND				
3,3'-Dichlorobenzidine	ND				
3-Nitroaniline	ND				

QA/QC Data

SDG I.D.: GAF36026

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
4,6-Dinitro-2-methylphenol	ND				
4-Bromophenyl phenyl ether	ND				
4-Chloro-3-methylphenol	ND				
4-Chloroaniline	ND				
4-Chlorophenyl phenyl ether	ND				
4-Nitroaniline	ND				
4-Nitrophenol	ND				
Acenaphthene	ND				
Acenaphthylene	ND				
Anthracene	ND				
Benzidine	ND				
Benzo(a)anthracene	ND				
Benzo(a)pyrene	ND				
Benzo(b)fluoranthene	ND				
Benzo(g,h,i)perylene	ND				
Benzo(k)fluoranthene	ND				
Benzoic acid	ND				
Benzyl alcohol	ND				
Benzyl butyl phthalate	ND				
Bis(2-chloroethoxy)methane	ND				
Bis(2-chloroethyl)ether	ND				
Bis(2-chloroisopropyl)ether	ND				
Bis(2-ethylhexyl)phthalate	ND				
Chrysene	ND				
Di-n-butylphthalate	ND				
Di-n-octylphthalate	ND				
Dibenz(a,h)anthracene	ND				
Dibenzofuran	ND				
Diethyl phthalate	ND				
Dimethylphthalate	ND				
Fluoranthene	ND				
Fluorene	ND				
Hexachlorobenzene	ND				
Hexachlorobutadiene	ND				
Hexachlorocyclopentadiene	ND				
Hexachloroethane	ND				
Indeno(1,2,3-c,d)pyrene	ND				
Isophorone	ND				
N-Nitrosodi-n-propylamine	ND				
N-Nitrosodimethylamine	ND				
N-Nitrosodiphenylamine	ND				
Naphthalene	ND				

QA/QC Data

SDG I.D.: GAF36026

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Nitrobenzene	ND				
Pentachlorophenol	ND				
Phenanthrene	ND				
Phenol	ND				
Pyrene	ND				
Pyridine	ND				

Comment: A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
RPD - Relative Percent Difference
LCS - Laboratory Control Sample

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 09, 2004

PHOENIX

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QA/QC Report

February 11, 2004

QA/QC Data

SDG I.D.: GAF34957

Parameter	Blank	LCS %	Dup RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF34957 (AF34957, AF34958, AF34959, AF34960, AF34961)						
Antimony (Dissolved)	BDL	100	NC	100		NC
QA/QC Batch Sample No: AF34957 (AF34957, AF34958, AF34959, AF34960, AF34961)						
Arsenic (Dissolved)	BDL	96	NC	110		NC
QA/QC Batch Sample No: AF34957 (AF34957, AF34958, AF34959, AF34960, AF34961)						
Selenium (Dissolved)	BDL	104	NC	104		NC
QA/QC Batch Sample No: AF34999 (AF34957, AF34958, AF34959)						
Mercury	BDL		NC	114	94	19.2
QA/QC Batch Sample No: AF35417 (AF34960, AF34961)						
Mercury	BDL		NC	91	82	10.4

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
RPD - Relative Percent Difference
LCS - Laboratory Control Sample

Phyllis Shiller

Phyllis Shiller, Laboratory Director
February 11, 2004

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QA/QC Report

February 11, 2004

QA/QC Data

SDG I.D.: GAF34957

ırameter	Blank	LCS Rec %	MS Rec %	RPD
/QC Batch Sample No: AF35880 (AF34957, AF34961)				
lorine Residual	BDL	98.0	NR	NC

there are any questions regarding this data, please call Phoenix Client Services at extension 200.

:S - Laboratory Control Sample
S - Matrix Spike
PD - Relative Percent Difference
Between Sample and Sample Duplicate

Phyllis Shiller, Laboratory Director
February 11, 2004

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QA/QC Report

February 11, 2004

QA/QC Data

SDG I.D.: GAF34957

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch Sample No: AF34268 (AF34957, AF34959, AF34960, AF34961)					
TPH by GC (Extractable Products)					
Aviation Fuel/Kerosene	ND				
Fuel Oil #2/ Diesel Fuel	ND		80	71	11.9
Fuel Oil #4	ND				
Fuel Oil #6	ND				
Motor Oil	ND				
Other Oil (Cutting & Lubricating)	ND				
Unidentified	ND				

Comment: A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch Sample No: AF34463 (AF34957, AF34961)					
Semivolatiles					
1,2,4-Trichlorobenzene	ND				
1,2-Dichlorobenzene	ND				
1,2-Diphenylhydrazine	ND				
1,3-Dichlorobenzene	ND				
1,4-Dichlorobenzene	ND				
2,4,5-Trichlorophenol	ND				
2,4,6-Trichlorophenol	ND				
2,4-Dichlorophenol	ND				
2,4-Dimethylphenol	ND				
2,4-Dinitrophenol	ND				
2,4-Dinitrotoluene	ND				
2,6-Dichlorophenol	ND				
2,6-Dinitrotoluene	ND				
2-Chloronaphthalene	ND				
2-Chlorophenol	ND				
2-Methylnaphthalene	ND				
2-Methylphenol (o-cresol)	ND				
2-Nitroaniline	ND				
2-Nitrophenol	ND				
3&4-Methylphenol (m&p-cresol)	ND				
3,3'-Dichlorobenzidine	ND				
3-Nitroaniline	ND				

QA/QC Data

SDG I.D.: GAF34957

ameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
)initro-2-methylphenol	ND				
·omophenyl phenyl ether	ND				
ıloro-3-methylphenol	ND				
ıloroaniline	ND				
hlorophenyl phenyl ether	ND				
itroaniline	ND				
itrophenol	ND				
·naphthene	ND				
·naphthylene	ND				
thracene	ND				
nzidine	ND				
nzo(a)anthracene	ND				
nzo(a)pyrene	ND				
nzo(b)fluoranthene	ND				
·nzo(g,h,i)perylene	ND				
·nzo(k)fluoranthene	ND				
·nzoic acid	ND				
·nzyl alcohol	ND				
·nzyl butyl phthalate	ND				
is(2-chloroethoxy)methane	ND				
is(2-chloroethyl)ether	ND				
is(2-chloroisopropyl)ether	ND				
is(2-ethylhexyl)phthalate	ND				
hrysene	ND				
)i-n-butylphthalate	ND				
)i-n-octylphthalate	ND				
)ibenz(a,h)anthracene	ND				
)ibenzofuran	ND				
)iethyl phthalate	ND				
)imethylphthalate	ND				
Fluoranthene	ND				
Fluorene	ND				
Hexachlorobenzene	ND				
Hexachlorobutadiene	ND				
Hexachlorocyclopentadiene	ND				
Hexachloroethane	ND				
Indeno(1,2,3-c,d)pyrene	ND				
Isophorone	ND				
N-Nitrosodi-n-propylamine	ND				
N-Nitrosodimethylamine	ND				
N-Nitrosodiphenylamine	ND				
Naphthalene	ND				

QA/QC Data

SDG I.D.: GAF34957

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Nitrobenzene	ND				
Pentachlorophenol	ND				
Phenanthrene	ND				
Phenol	ND				
Pyrene	ND				
Pyridine	ND				

Comment: A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch Sample No: AF34999 (AF34957, AF34958, AF34959, AF34960, AF34962)

Volatiles

1,1,1,2-Tetrachloroethane	ND	110			
1,1,1-Trichloroethane	ND	125			
1,1,2,2-Tetrachloroethane	ND	115			
1,1,2-Trichloroethane	ND	96			
1,1-Dichloroethane	ND	104			
1,1-Dichloroethene	ND	124	96	110	13.6
1,1-Dichloropropene	ND	111			
1,2,3-Trichlorobenzene	ND	124			
1,2,3-Trichloropropane	ND	108			
1,2,4-Trichlorobenzene	ND	119			
1,2,4-Trimethylbenzene	ND	111			
1,2-Dibromo-3-chloropropane	ND				
1,2-Dichlorobenzene	ND	110			
1,2-Dichloroethane	ND	116			
1,2-Dichloropropane	ND	106			
1,3,5-Trimethylbenzene	ND	114			
1,3-Dichlorobenzene	ND	113			
1,3-Dichloropropane	ND	117			
1,4-Dichlorobenzene	ND	112			
2,2-Dichloropropane	ND				
2-Chlorotoluene	ND	112			
4-Chlorotoluene	ND	115			
Benzene	ND	106	94	102	8.2
Bromobenzene	ND	111			
Bromochloromethane	ND	115			
Bromodichloromethane	ND	113			
Bromoform	ND	112			
Bromomethane	ND	96			
Carbon tetrachloride	ND	121			
Chlorobenzene	ND	111	100	104	3.9
Chloroethane	ND	85			
Chloroform	ND	121			

QA/QC Data

SDG I.D.: GAF34957

·ameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
ɔromethane	ND	114			
1,2-Dichloroethene	ND	115			
1,3-Dichloropropene	ND	115			
romochloromethane	ND	117			
romoethane	ND	97			
romomethane	ND	116			
hlorodifluoromethane	ND	77			
ıylbenzene	ND	113			
xachlorobutadiene	ND	115			
propylbenzene	ND	119			
ɛp-Xylene	ND	116			
thyl Ethyl Ketone	ND				
thyl tert-butyl ether (MTBE)	ND				
thylene chloride	ND				
Butylbenzene	ND	118			
Propylbenzene	ND	113			
ıphthalene	ND	125			
Xylene	ND	104			
Isopropyltoluene	ND	121			
c-Butylbenzene	ND	110			
yrene	ND	105			
rt-Butylbenzene	ND	115			
etrachloroethene	ND	116			
ɔluene	ND	110	104	108	3.8
ans-1,2-Dichloroethene	ND	114			
ans-1,3-Dichloropropene	ND	99			
richloroethene	ND	112	109	112	2.7
richlorofluoromethane	ND	160			
inyl chloride	ND	108			
Bromofluorobenzene	87	102	96	99	3.1

A/QC Batch Sample No: AF35145 (AF34961)

'olatiles

,1,1,2-Tetrachloroethane	ND	111			
,1,1-Trichloroethane	ND	113			
,1,2,2-Tetrachloroethane	ND	124			
,1,2-Trichloroethane	ND	109			
,1-Dichloroethane	ND	94			
,1-Dichloroethene	ND	109	84	92	9.1
,1-Dichloropropene	ND	116			
,2,3-Trichlorobenzene	ND	123			
,2,3-Trichloropropane	ND	125			

QA/QC Data

SDG I.D.: GAF34957

Parameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
1,2,4-Trichlorobenzene	ND	122			
1,2,4-Trimethylbenzene	ND	120			
1,2-Dibromo-3-chloropropane	ND				
1,2-Dichlorobenzene	ND	114			
1,2-Dichloroethane	ND	98			
1,2-Dichloropropane	ND	109			
1,3,5-Trimethylbenzene	ND	125			
1,3-Dichlorobenzene	ND	116			
1,3-Dichloropropane	ND	124			
1,4-Dichlorobenzene	ND	111			
2,2-Dichloropropane	ND	122			
2-Chlorotoluene	ND	123			
4-Chlorotoluene	ND	122			
Benzene	ND	106	80	84	4.9
Bromobenzene	ND	120			
Bromochloromethane	ND	114			
Bromodichloromethane	ND	107			
Bromoform	ND	104			
Bromomethane	ND				
Carbon tetrachloride	ND	108			
Chlorobenzene	ND	114	58	60	3.4
Chloroethane	ND	74			
Chloroform	ND	105			
Chloromethane	ND	98			
cis-1,2-Dichloroethene	ND	114			
cis-1,3-Dichloropropene	ND	119			
Dibromochloromethane	ND	121			
Dibromoethane	ND	117			
Dibromomethane	ND	113			
Dichlorodifluoromethane	ND	90			
Ethylbenzene	ND	116			
Hexachlorobutadiene	ND	124			
Isopropylbenzene	ND	134			
m&p-Xylene	ND	113			
Methyl Ethyl Ketone	ND				
Methyl t-butyl ether (MTBE)	ND				
Methylene chloride	ND	100			
n-Butylbenzene	ND	124			
n-Propylbenzene	ND	121			
Naphthalene	ND	138			
o-Xylene	ND	102			
p-Isopropyltoluene	ND	130			

QA/QC Data

SDG I.D.: GAF34957

·ameter	Blank	LCS %	MS Rec %	MS Dup Rec %	RPD
Butylbenzene	ND	119			
rene	ND	99			
-Butylbenzene	ND	126			
rachloroethene	ND	115			
uene	ND	119	72	75	4.1
al Xylenes	ND				
ns-1,2-Dichloroethene	ND	104			
ns-1,3-Dichloropropene	ND	114			
chloroethene	ND	118	74	78	5.3
ichlorofluoromethane	ND	115			
ayl chloride	ND	98			
Bromofluorobenzene	95	97	81	80	1.2

there are any questions regarding this data, please call Phoenix Client Services at extension 200.

S - Matrix Spike
S Dup - Matrix Spike Duplicate
PD - Relative Percent Difference
CS - Laboratory Control Sample

Phyllis Shiller, Laboratory Director
February 11, 2004

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823
Client Services (860) 645-8726

CHAIN OF CUSTODY RECORD

DATE RCVD: _____

Customer: GEODESIGN INC
Address: 984 SOUTHFORD RD
MIDDLEBURY CT 06762

Project: AMERERELLE CORPORATION VERNON
Report To: TIM CARR
Invoice To: TIM CARR

Project P.O.: 553-03
Phone #: (203) 758-8836
Fax #: (203) 758-3842

Client Sample – Information – Identification

Sampler's Signature: X [signature] Date: 1/29/04

Analysis Requested * **

Item #	Customers Sample Ident	Sample Matrix	Date	Time	VOCs by 8260 + *	Formaldehyde Aniline	E TPH	Dissolved RCRA 8 metals	Dissolved Copper, Nickel, Zinc, Antimony	Base Neutrals + TICs **							VOA VIALS PL (X) GL ( ) HNO3 (500) ML	PL ( ) GL ( ) + NaOH ( ) ML	PL ( ) GL (X) AS IS (1000) ML	GL + H2SO4 ( ) ML	Field Filtered + HNO3 ( ) ML	Bacteria Bottle ( ) ML	PHOENIX SAMPLE #
	AM-3	GW	1/29/04	1030	X	X	X	X	X								3	1		2			34957
	AM-1			1115	X			X	X								3	1					34958
	AM-4			1237	X		X	X	X								3	2					34959
	AM-7			1430	X		X	X	X								3	2					34960
	W-1			1309	X	X	X	X	X			X					3	1		3			34961
	TB-1	—	—	—	X												1						34962

Item #	Relinquished by:	Accepted by:	Date:	Time:
	[signature]	[signature]	1-29-04	14:20

Comments:
* VOCs including [illegible], DMF, MEK, MIBK
** LAB TO FILTER FOR DISSOLVED METALS
*** SEE ATTACHED SHEETS FOR TICS.

Standard lab turnaround is 10 working days. Accelerated turnarounds are always available. Check with office on prevailing surcharge. ACCELERATED TURNAROUND TIME REQUESTED: ___1 ___2 ___3 ___4 ___5 working days.

5°C

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Client Services (860) 645-8726

CHAIN OF CUSTODY RECORD

DATE RCVD:

Customer: GEODESIGN INC
Address: 984 SOUTHFORD RD
MIDDLEBURY CT 06762

Project: AMERBELLE CORPORATION, UNION
Report To: TIM CARR
Invoice To: TIM CARR

Project P.O.: 553-03
Phone #: 203 758 8836
Fax #: 203 758 8842

Client Sample – Information – Identification

Sampler's Signature: X M. Carr
Date: 1/31/04

Analysis Requested

Item #	Customers Sample Ident	Sample Matrix	Date	Time	Formaldehyde, Aniline	EPH	VOA VIALS PL ( ) GL ( ) HNO3 ( ) ML	PL ( ) GL ( ) + NaOH ( ) ML	PL ( ) GL (X) AS IS	GL + ~~H2SO4~~ (4 oz) ML	Field Filtered + HNO3 (1000) ML	Bacteria Bottle ( ) ML	PHOENIX SAMPLE #
	AM-1	GW	1/31/04	1158	X	X				2			36026
	AM-4	↓	↓	1007	X				1	1			36027
	AM-7	↓	↓	1417	X				1	1			36028

Item #	Relinquished by:	Accepted by:	Date:	Time:
	M. Carr	Don Toll	2/3/04	15:25
	Don Toll	Shawn Wilhelm	2/3/04	16:25

Comments:

Standard lab turnaround is 10 working days. Accelerated turnarounds are always available. Check with office on prevailing surcharge. ACCELERATED TURN-AROUND TIME REQUESTED: ___1 ___2 ___3 ___4 ___5 working days.

MAK III	Chemical Name	CAS No.	German & EU Regulations	OEKO-TEX	Japan EcoMark
Category 1	4-Aminobiphenyl	92-67-1	○	○	○
	Benzidine	92-87-5	○	○	○
	4-Chloro-o-toluidine	95-69-2	○	○	○
	2-Naphthylamine	91-59-8	○	○	○
Category 2	o-Aminoazotoluene	97-56-3	○	○	○
	2-Amino-4-nitorotoluene	99-55-8	○	○	○
	p-Chloroaniline	106-47-8	○	○	○
	2,4-Diaminoanisole	615-05-4	○	○	○
	4,4'-Diaminobiphenylmethane	101-77-9	○	○	○
	3,3'-Dichlorobenzidine	91-94-1	○	○	○
	3,3'-Dimethoxybenzidine	119-90-4	○	○	○
	3,3'-Dimethylbenzidine	119-93-7	○	○	○
	3,3'-Dimethyl-4,4'-diaminobiphenylmethane	838-88-0	○	○	○
	p-Cresidine	120-71-8	○	○	○
	4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	○	○	○
	4,4'-Oxydianiline	101-80-4	○	○	○
	4,4'-Thiodianiline	139-65-1	○	○	○
	o-Toluidine	95-53-4	○	○	○
	2,4-Toluylendiamine	95-80-7	○	○	○
	2,4,5-Trimethylaniline	137-17-7	○	○	○
	0-Anisidine	90-04-0	○	○	○
	p-Aminoazobenzene	60-90-3	○	○	○
	2,4-Xylidine	95-68-1	—	○	○
	2,6-Xylidine	87-62-7	—	○	○

Note: "○" indicates that the amine is subject to the indicated regulations.

APPENDIX 5
LIMITATIONS

LIMITATIONS

1. The purpose of this report was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous material or oil. No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.

2. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client. The work described in this report was carried out in accordance with the project's Statement of Terms and Conditions.

3. The conclusions and recommendations contained in this report are based in part upon the data obtained from a limited number of soil and/or groundwater samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until and if additional explorations are performed. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

4. Water level readings have been made in the test pits, borings, and/or observation wells at the times and under the conditions stated on the test pit or boring logs. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

5. The conclusions and recommendations contained in this report are based in part upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made in the report. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by Geo**Design**, Inc., and the conclusions and recommendations presented herein modified accordingly.

6. The costs on which the preliminary remediation estimate is based are limited to those conditions that were discovered in carrying out the assessment of subsurface contamination identified in this report. Actual quantities and unit costs will vary. While the preliminary estimate represents our best professional judgment in this matter, it does not represent an absolute worst-case remedial cost estimate. The preliminary estimate includes only those cost items identified, and should not be assumed to include other costs such as legal, administrative or permitting costs.

7. The estimate is based on limited data which may not be sufficient to identify each and every condition existing at the site which may constitute noncompliance with applicable governmental statutes, rules, and regulations or constitute a release of oil or hazardous materials.

8. The preliminary estimate does not include any element with respect to third-party claims, fines, penalties, or other charges which may be assessed against any responsible party because of either the existence of present conditions or the future existence or discovery of any such conditions.

9. Governmental agencies' interpretations, requirements, and enforcement policies vary from district office to district office, from state to state, and between federal and state agencies. In addition, statutes, rules, standards, and regulations may be legislatively changed and inter-agency and intra-agency policies may be changed form present practices. Geo**Design** has used its experience and judgment in making assumptions as to how anticipated changes in enforcement policies may affect remediation costs.

10. This report contains approximate cost estimates for purposes of evaluating alternative remedial programs. These estimates involve approximate quantity evaluations. A preliminary estimate of this nature is likely to vary substantially from Contractors' Bid Prices and is not to be considered the equivalent of nor as reliable as Contractors' Bid Prices. Prices for similar work undertaken in the future will be subject to general and sometimes erratic price increases. The costs of future environmental, technical, and engineering services which may be required to implement any corrective action or remediation or installation of any systems cannot be accurately estimated.

11. It is recommended that Geo**Design** be retained to provide engineering services during final design, construction and/or implementation of any remedial measures recommended in this report. This is to allow Geo**Design** to observe compliance with the concepts and recommendations contained herein, and to allow the development of design changes in the event that subsurface conditions differ from those anticipated.