

# Phase I – Initial Site Investigation Report Former Nu-Style Property

87 Grove Street (Lots 22 & 27)  
Franklin, MA  
RTN 2-16694

Town of Franklin, Massachusetts

May 2008



317 Iron Horse Way, Suite 204  
Providence, RI 02908

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## 1.0 GENERAL DISPOSAL SITE INFORMATION

### 1.1 Introduction

This report, prepared in accordance with the Massachusetts Contingency Plan (MCP) 310 CMR 40.0480, serves as documentation for a Phase I – Initial Site Investigation Report (Phase I Report) for response actions conducted at the disposal site (the “site”) identified by the Massachusetts Department of Environmental Protection (MADEP) as Release Tracking Number (RTN) 2-16694. Fuss & O’Neill, Inc. (Fuss & O’Neill) prepared this report on behalf of the Town of Franklin, Massachusetts. Assessment activities were conducted as part of the Norfolk County Hazardous Materials and Petroleum Brownfield Assessment Programs funded under, two brownfield assessment grants from the United States Environmental Protection Agency (USEPA). Fuss & O’Neill’s Limitations of Work Product are included as Appendix A.

### 1.2 Site Description

According to the Town of Franklin assessor’s mapping, the subject property is comprised of approximately 1.20 acres on the following two parcels in the Town of Franklin, Norfolk County, Massachusetts:

Table 1  
Summary of Parcels Comprising Subject Property

Plat/Lot	Address	Owner	Acreage*	Zoning
276/22	Grove Street	Town of Franklin	0.23	Business
276/27	Grove Street	Town of Franklin	0.97	Business

\* Acreage for the site was obtained from assessor’s mapping.

The subject property’s main address is 87 Grove Street and is located along the west side of Grove Street south of the intersection of Grove Street and Route 140. The location of the subject property is also defined as the following:

- Latitude: 42° 5’ 13.154” North
- Longitude: 71° 25’ 39.790” West
- UTM Coordinates (NAD 83 meters) = 4662290 North, 299210 East

A site location map depicting 500-foot and half-mile radii from the boundaries of the disposal site is attached as Figure 1. A site plan depicting the disposal site is presented as Figure 2.

A vacant, partially dilapidated two-story building with a footprint of approximately 11,800 square feet is situated on Lot 27, and a vacant one and one-half-story building with a footprint of approximately 4,000 square feet is located on Lot 22. A commercial development is currently proposed for the subject property. Formal development plans have not been established or approved by the Town of Franklin. An estimated 620 people



reside within a one-half mile radius of the subject property. The subject property is located in a mixed commercial and residential area in Franklin, Massachusetts.

No institutions are located within 500 feet of the site. The closest school, KinderCare Learning Center, is located more than 1,500 feet northeast of the subject property.

### 1.3 Natural Resource Areas

Mine Brook flows westward along the southern side of the Lot 27 building and turns northward to form the western boundary of Lot 22. Mine Brook flows generally northward to the Charles River.

According to the MADEP Bureau of Waste Site Cleanup Site Scoring Map, attached as Appendix B, no drinking water supplies are located within 500 feet of the disposal site.

No endangered species habitat, areas of critical environmental concern (ACEC) or certified vernal pools were identified located within 500 feet of the subject site. Mapped wetlands are located approximately 50 feet east and 400 feet northwest of the subject property, in addition to the wetlands associated with Mine Brook.

No Sole Source Aquifers, fish habitats, and habitats of Species of Special Concern or Threatened or Endangered Species were identified located within 500 feet of the disposal site. A local, state, and/or federal protected open space is located within approximately 50 feet of the southern boundary of the subject property.

### 1.4 Geologic and Physiographic Setting

The topography of the site is generally flat, except at the banks of Mine Brook, where the topography drops steeply three to five feet to the river bed (USGS, 1987). The regional topography is hilly and generally drains to Mine Brook.

Surficial material at the site was mapped as loamy udorthents, which generally consist of moderately coarse-grained, deep and moderately deep, fairly well-drained soils (USDA, 2006). Fill described as sand, gravel, silt, and, in some cases, wood and brick was observed to depths of up to 14 feet below grade during drilling conducted on the site as part of Site Investigation activities conducted by Fuss & O'Neill at the subject property.

Bedrock beneath the site was mapped as grayish-pink to greenish-gray, equigranular to slightly porphyritic, Dedham Granite (Zen, 1983). Bedrock was encountered at the site during drilling as part of Site Investigation activities at depths of between four and 12.5 feet below grade (fbg).

### 1.5 Soil and Groundwater Categorization

Site visitors may include both adults and children. Based on the foreseeable site use as a commercial development, the frequency of site use by adult workers is expected to be high, but with generally low intensity. High intensity use may be required of some workers in



landscaped areas. Therefore, in accordance with the MCP (310 CMR 40.0933), soil at paved areas of the site is categorized as S-3, and soil in unpaved portions of the site is categorized as S-2. However, since the future site use has not been definitively determined to date, we have conservatively compared soil analytical data at the site to S-1, S-2, and S-3 soil categories, as indicated in the reports attached as [Appendix C](#) and [Appendix D](#).

In accordance with the MCP (310 CMR 40.0932), groundwater at the site was classified as GW-2/GW-3. All groundwater in the Commonwealth of Massachusetts is considered a potential source of discharge to surface water and shall be categorized, at a minimum, as category GW-3. Groundwater at the disposal site that is located within 30 feet of an occupied structure and is less than 15 fbg is additionally defined as GW-2. Although the existing buildings are not occupied, groundwater is conservatively being compared to GW-2 and GW-3 categories.

The subject property is not located within a MADEP Zone II (aquifer protection area), potentially productive aquifer, or other GW-1 inclusionary criteria; therefore, a classification of GW-1 does not apply to the property. The MADEP Bureau of Waste Site Cleanup Site Scoring Map is attached as [Appendix B](#).

## 1.6 [Disposal Site Map](#)

A site plan depicting the subject property is provided as [Figure 2](#). The site plan depicts the disposal site boundaries, boundaries of properties located within the disposal site, on-site buildings, floor and storm drains, subsurface utilities, the location of oil and/or hazardous materials (OHM) releases, and the location of monitoring wells, soil borings, and sediment and surface water samples installed or collected by Fuss & O'Neill.

## 2.0 DISPOSAL SITE HISTORY

### 2.1 [Owner/Operator and Operations History](#)

The site was acquired via tax title by the Town of Franklin as a result of foreclosure and tax title during 2002.

Historical topographic maps depict a building on both Lot 22 and Lot 27 by 1893. According to files available at the Town of Franklin offices, Unionville Woolen Mills operated on the subject property and on properties adjacent to the north, northeast, south, and southwest, likely since the site was first developed. Town property cards indicated that the current site buildings were originally constructed circa 1900 (Lot 27) and circa 1945 (Lot 22). Several additions appear to have been constructed onto both buildings.

A right-of-way currently located along the eastern boundary of Lot 22 is also known as "Old Grove Street." Grove Street was relocated from the right-of-way to the current location east of the subject property in the mid to late 1950s. At that time, the portion of the pond located on the subject property was partially filled and Mine Brook was relocated to flow to the south of the Lot 27 building, as shown in a 1968 Plan of Land prepared for Unionville Woolen Mills, Inc. The origin of the fill materials could not be determined during the Site



Investigation documented herein; however, we infer that the area was filled as part of the Grove Street relocation municipal project. The fill area is currently mostly paved for use by commercial businesses occupying Lot 26 (adjacent to the south) for parking.

Mapping available at the Town offices indicated that the Franklin Paint Company occupied the subject property and the parcel adjacent to the south at some point in the past, possibly in the 1950s. A 1956 plan prepared for the Franklin Paint Company depicted a dam on the south-central portion of Lot 27, at the eastern end of the reservoir. Until the early 1960s, the western end of Mine Brook Reservoir covered the eastern portion of Lot 27. The reservoir is referred to as a pond in subsequent mapping, which shows the pond partially beneath the Lot 27 building.

Carol and Richard Armstrong purchased the subject property in 1969 and used the property for jewelry manufacturing until the late 1980s under the names Nu-Style Company, Inc. and Image Jewelry. An elevated passageway (a covered pedestrian bridge) was constructed over Mill Brook circa 1969/1970. This bridge joined the Lot 27 building to the building located on Lot 26, adjacent to the south of the subject property. This bridge has since been demolished.

A 1975 plan for a proposed addition to the Lot 27 building indicated that this building was a manufacturing plant and the Lot 22 building was a garage. In 1978, the subject property was first listed in the Town Clerk's database for on-site storage of hazardous materials and USTs located on the property. The Lot 22 building was most recently used by a construction company for vehicular repair until it was vacated in 1989 (IES, 1990). Operations on both site parcels ceased in late 1989.

Aerial photographs from 1997 depicted the site buildings on Lots 22 and 27 and a covered pedestrian bridge over Mine Brook, connecting Lot 27 to the abutting parcel to the south (Lot 26). Vegetation was observed in the area immediately associated with Mine Brook in the 1997 aerial photograph. In 2001, Grove Street Towing and Tire operated out of the garage adjacent to the main site building. In the 2005 aerial photograph, the pedestrian bridge connecting Lot 27 and Lot 26 was not observed and the area on the south side of Mine Brook on Lot 27 was paved. Two additional truck-sized structures were present along the west and northeast sides of the building on Lot 27 in the 2005 aerial photograph. These structures were not observed during the Site Investigation activities documented herein.

A detailed record of ownership for the subject property was not readily available at the Town of Franklin Tax Assessor's office. It was determined from an outdated property card that Unionville Woolen Mills, Inc. owned the subject property from January 1962, or some date prior, until May 1969, upon which the subject property was sold to Richard and Carol Armstrong. Ownership of the site prior to 1962 was not readily determined.



## 2.2 Release History

### 2.2.1 UST Removal and CERCLA Removal Action

USTs were removed from the subject property in 1990, according to records maintained at the Town Clerk's office. The tanks included one 5,000-gallon, two 2,000-gallon, and one 1,000-gallon USTs.

USEPA conducted an inspection of the subject property on January 8, 1992. According to Town files, the inspection revealed the presence of full and partially full labeled drums and containers as well as drums and containers with undocumented material. The inspection also included the observation of seven process tanks in the former plating department which contained undocumented liquids and/or sludges. Some of the chemicals identified at the subject property included: sodium cyanide, chromic acid, potassium cyanide, perchloroethylene (tetrachloroethylene; PCE), zinc cyanide, nickel sulfate, and copper cyanide. Following the inspection, USEPA conducted Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) removal actions at the subject property in 1992. Removal actions included the removal and offsite disposal of hazardous waste, contaminated soil and debris, and product pumped from tanks located on the subject property.

### 2.2.2 IES, Inc. Site Investigation Reports

Portions of two reports prepared by IES, Inc. (IES) summarizing environmental investigations previously conducted on the subject property and on the parcel adjacent to the south were reviewed. The results of the investigations documented in these reports were summarized in a Phase II Environmental Site Assessment (ESA) prepared by Fuss & O'Neill in September 2007. A copy of the September 2007 Phase II ESA is attached as Appendix C. The conclusions of these reports include the following:

In January 1990, IES completed a report of a Chapter 21E Site Evaluation of 87 Grove Street for Home National Bank of Milford, Massachusetts. IES concluded that no releases of hazardous materials or petroleum products had occurred at the subject property; however, it is Fuss & O'Neill's opinion that the IES investigation was not adequate to definitively rule out releases on the subject property.

In July 1991, IES collected soil samples from four additional borings (B-1A through B-4A) to assess whether releases associated with USTs had occurred. Soil encountered at the site generally consisted of fill containing loam, sand, gravel, and, in some cases, brick and cinders. Fill materials were observed to depths of up to 8.5 feet below grade (fbg). Deeper soil consisted of very dense, fine-grained sand, silt, and gravel. Groundwater was encountered at depths of approximately 8.5 to 9 fbg. Monitoring wells were installed within the borings to allow for the collection of groundwater samples. IES identified releases of chlorinated solvents to soil and groundwater at boring location B-4A, which was advanced downgradient of USTs at the site and north of Mine Brook. Based on the apparent vertical distribution of VOCs in soil, IES inferred that the presence of VOCs was the result of a surface release.



### 2.2.3 Fuss & O'Neill Assessment Activities

Fuss & O'Neill conducted environmental assessment activities at the subject property in 2006 and 2007, under two brownfield assessment grants. The assessment activities were summarized in the following reports:

- Fuss & O'Neill, 2006. Phase I Environmental Site Assessment, Former Nu-Style Company, Inc. Facility, 87 Grove Street (Lots 22 & 27), Franklin, Massachusetts, May 2006.
- Fuss & O'Neill, 2007. Phase I Environmental Site Assessment, Former Nu-Style Company, Inc. Facility, 87 Grove Street (Lots 22 & 27), Franklin, Massachusetts, February 2007.
- Fuss & O'Neill, 2007. UST Closure Assessment Report, Former Nu-Style Company, Inc., Franklin, Massachusetts, July 2007. A copy of this report is included in Appendix D.
- Fuss & O'Neill, 2007. Phase II Environmental Site Assessment, Former Nu-Style Company, Inc. Facility, 87 Grove Street (Lots 22 & 27), Franklin, Massachusetts, September 2007. A copy of this report is included as Appendix C.
- Fuss & O'Neill, 2008. Phase II Environmental Site Assessment Addendum, Former Nu-Style Property, RTN 2-0016694, 87 Grove Street (Lots 22 and 27), Franklin, Massachusetts, February 2008. A copy of this report is included as Appendix D.

A Phase I ESA, prepared by Fuss & O'Neill in May 2006 and updated in February 2007, identified the following recognized environmental conditions (RECs) at the site:

- The site had a long history (at least 90 years) of manufacturing, including textiles and jewelry. Materials used and stored at the site associated with jewelry manufacturing included cyanides, metals, chlorinated solvents, and petroleum products. Additional substances associated with textile manufacturing were also likely used. Files indicated that numerous drums of hazardous waste and petroleum products were located outside of the site buildings.
- At least one UST was present on the western side of the Lot 27 building. In addition, a heating oil tank reportedly existed in an underground bunker on the same side of the building.
- A small tunnel containing slow-moving water was present beneath the Lot 22 building. A review of mapping on file at the Town Building Department suggested that the tunnel runs, or ran in the past, from Mine Brook and beneath the Lot 27 building to the Lot 22 building. There is the potential that the tunnel was used by the former woolen mill for direct waste disposal to Mine Brook prior to the realignment of the brook in the 1960s.



- Releases of chlorinated solvents to soil and groundwater were identified on Lot 26, which abutted the site to the south. This property was owned and occupied by the same entities that owned and operated the facilities at the site; therefore, there is the potential that similar releases have occurred at the site. Due to the proximity of this property to the site, there is the potential for releases that occurred on this property to adversely affect groundwater quality at the site.
- The southern portion of the site contained a pond that was filled circa 1960. The nature and origin of the fill were not known.

MCP Phase I Initial Site Investigation activities conducted by Fuss & O'Neill at the site are discussed in the Phase II ESA and Phase II ESA Addendum reports attached as Appendix C and D, respectively. These activities are briefly summarized in Sections 3.0 and 4.0 below. Based on the initial environmental assessment results, a release notification form was submitted to MADEP on May 10, 2007. MADEP assigned release tracking number (RTN) 2-0016694 to the site.

### 2.3 OHM Use and Storage History

Historic manufacturing operations at the subject property required the use and storage of cyanides, metals, chlorinated solvents including trichloroethene (TCE) and PCE, chromic acid, nickel sulfate and petroleum products. Use of OHM ceased at the subject property in 1989.

According to Town records, four USTs and associated piping were removed from the subject property in 1990, reportedly including USTs containing chlorinated solvents. One 5,000 gallon, two 2,000 gallon and one 1,000 gallon USTs were reportedly removed. One heating-oil UST was removed from the site in May 2007, during the investigations conducted by Fuss & O'Neill and documented in the July 2007 UST Closure Assessment Report included in Appendix D.

Several documented releases have been identified at the site by Fuss & O'Neill and by previous investigators. No additional information was available regarding OHM usage, quantities, and storage locations, or regarding the age or volume of the former USTs reportedly removed in 1990.

### 2.4 Waste Management History

With the exception of the environmental media and hazardous waste managed during removal and site investigation activities described in Section 2.2, no information was available regarding the waste management history of the subject property.

### 2.5 Environmental Permits and Compliance History

The following permits were documented for the site:

- MADEP Order of Conditions, File No. CE159-937, March 22, 2007.



A Tier II Compliance History (BWSC107B) transmittal form is included in Appendix E.

## 2.6 Potentially Responsible Parties

The Town of Franklin is the current owner of the site and is identified as a Potentially Responsible Party.

## 3.0 SUBSURFACE INVESTIGATION ACTIVITIES

Fuss & O'Neill conducted subsurface investigation activities on behalf of the County of Norfolk and Town of Franklin, to investigate the nature and extent of the compounds of concern in soil, groundwater, and sediment at the disposal site. Sampling locations are depicted on Figure 2. Site Investigation activities were conducted from November 2006 to May 2007 in accordance with USEPA-approved Site-Specific Quality Assurance Project Plans (QAPPs). These activities were summarized in the September 2007 Phase II ESA included as Appendix C and the February 2008 Phase II ESA Addendum included as Appendix D. Please refer to these reports for details regarding the scope of work, summary of results, and data analysis of the subsurface investigation activities conducted at the disposal site. These reports are also briefly summarized herein.

Investigation and sampling activities conducted by Fuss & O'Neill included the following:

- A ground-penetrating radar (GPR) survey over portions of the subject property to evaluate for the potential presence of suspected USTs.
- Advancement of a total of 15 shallow soil borings and two deep soil borings.
- A soil sampling program that included the collection of a total of 29 soil samples, including quality control samples, from the soil borings. Soil boring logs depicting sample recovery amounts, material descriptions, graphic logs, soil codes, and photoionization detector (PID) soil screening results were included in the attached reports. A summary of soil sampling activities, including the requested analytical parameters, is included in Table 2 below:

Table 2  
Summary of Soil Sampling Activities

Date	Sampling Location	Sample ID	Sample Depth (fbg)	Analyses
11/30/2006	B-02	30-03; 30-04	0-2; 5-7	VOCs, PP13 metals plus barium, total cyanide, PCBs, VPH, EPH
	B-04	30-07; 30-08	0-2; 5-6	
	B-05	30-09; 30-10	0.4-2; 5-7	
	B-06	30-11; 30-12	0-0.5; 1-2	
	MW-1	30-01; 30-02	0.5-2; 3-5	
	MW-2	30-05; 30-06	0-3; 5-7	
	MW-3	30-13; 30-14	0-2; 5-7	
12/1/2006	MW-4	30-15; 30-16*; 30-17	0-2; 0-2; 5-7	
	B-10	01-21; 01-22	0-2; 5-7	
	B-11	01-23; 01-24	0-2; 5-7	





Date	Sampling Location	Sample ID	Sample Depth (fbg)	Analyses
10/31/2007	B-12	01-25	0-2	VOCs
	MW-5	01-19; 01-20	0.4-2; 5-7	
	MW-13	31-01	10-12	
11/1/2007	B-15	01-03	2-4	VOCs
	MW-17	01-04; 01-05; 01-06*	0.3-2; 6-8; 6-8	VOCs, PP13 metals plus barium, VPH, EPH

Notes: B = soil boring  
MW = monitoring well  
Sample ID = Only the last 4 digits of the sample number are listed.  
\* indicates duplicate sample  
VOCs = volatile organic compounds  
PP13 metals = 13 Priority Pollutant metals  
PCBs = polychlorinated biphenyls  
VPH = volatile petroleum hydrocarbons  
EPH = extractable petroleum hydrocarbons

- Installation of seven shallow overburden monitoring wells and two bedrock monitoring wells.
- Collection of groundwater samples from the monitoring wells. A summary of groundwater sampling activities, including the requested analytical parameters, is included in Table 3 below:

Table 3  
Summary of Groundwater Sampling Activities

Date	Well ID	Sample ID	Analyses
12/8/06	MW-1	08-27; 08-28*	VOCs, PP13 metals plus barium, VPH, EPH
	MW-2	08-30	
	MW-3	08-32	
	MW-4	08-29	
	MW-5	08-31	
11/6/2007- 11/7/2007	MW-1	06-03	VOCs, total RCRA 8 metals, VPH, EPH
	MW-2	07-10	VOCs, dissolved RCRA 8 metals
	MW-3	07-11	
	MW-5	07-09	
	MW-13	06-05; 06-06*	VOCs, total RCRA 8 metals
	MW-14	06-04	
	MW-16	07-08	
	MW-17	06-01; 06-02*	VOCs, total RCRA 8 metals, VPH, EPH

Notes: MW = monitoring well  
Only the last four digits of the sample number are shown.  
\* indicates duplicate sample  
VOCs = volatile organic compounds  
PP13 metals = 13 Priority Pollutant metals  
VPH = volatile petroleum hydrocarbons  
EPH = extractable petroleum hydrocarbons  
RCRA 8 metals = Eight Resource Conservation and Recovery Act metals

- Collection of nine sediment samples, including quality control samples, from the banks of Mine Brook. A summary of sediment sampling activities, including the requested analytical parameters, is included in Table 4 below:



Table 4  
Summary of Sediment Sampling Activities

Date	Location	Sample ID	Analyses
4/26/2007	SD-1	SD-1	VOCs, PP13 metals plus barium, VPH, EPH, PCBs, cyanide
	SD-2	SD-2	
	SD-3*	SD-3*	
	SD-4	SD-4	
10/25/2007	SD-5	SD-5	SVOCs
	SD-6	SD-6	
	SD-7	SD-7	

Notes: SD = sediment sample  
Only the last four digits of the sample number are shown.  
\* indicates duplicate sample  
VOCs = volatile organic compounds  
PP13 metals = 13 Priority Pollutant metals  
VPH = volatile petroleum hydrocarbons  
EPH = extractable petroleum hydrocarbons  
PCBs = polychlorinated biphenyls  
SVOCs = semi-volatile organic compounds

- Collection of five surface water samples, including quality control samples, from Mine Brook. A summary of surface water sampling activities, including the requested analytical parameters, is included in [Table 5](#) below:

Table 5  
Summary of Surface Water Sampling Activities

Date	Location	Sample ID	Analyses
4/26/2007	SW-1	SW-1	VOCs, PP13 metals plus barium, VPH, EPH
	SW-2	SW-2	
	SW-3*	SW-3*	
	SW-4	SW-4	

Notes: SW = surface water sample  
Only the last four digits of the sample number are shown.  
\* indicates duplicate sample  
VOCs = volatile organic compounds  
PP13 metals = 13 Priority Pollutant metals  
VPH = volatile petroleum hydrocarbons  
EPH = extractable petroleum hydrocarbons

- Closure of a 5,000-gallon #2 heating oil underground storage tank (UST) on May 1 and 2, 2007. Closure activities were completed by TMC Services, Inc. (TMC) of Bellingham, Massachusetts and observed by Fuss & O'Neill. Six confirmation samples were collected from the limits of the excavation for analysis of PP13 metals VOCs, and petroleum hydrocarbons (MADEP EPH and VPH Methods with target compounds). A UST Closure Assessment Report (CAR) was prepared by Fuss & O'Neill and submitted to MADEP in July 2007. A copy of the UST CAR was included in the September 2007 Phase II ESA attached as [Appendix C](#).



#### 4.0 SUBSURFACE INVESTIGATION RESULTS

A summary of subsurface investigation activities conducted at the site by Fuss & O'Neill is included in Section 3.0. Soil boring logs, monitoring well completion logs, and laboratory analytical reports were included in the respective reports included as Appendix C and Appendix D.

##### 4.1 Soil Characterization

In general, the soil within soil borings advanced at the site was observed to consist of mainly fine to medium sand, with varying proportions of gravel and silt. Apparent fill material containing metal slag and coal and/or coal ash was observed in soil borings advanced north of Mine Brook, and was concentrated in the upper two feet of soil. Soil boring MW-17 ended in a soil horizon consisting predominately of silt and clay from 12 to 14 feet below grade. The silt and clay horizon may represent the sediment/water interface of the former pond that existed at this location prior to the historical placement of fill material.

Two soil horizons consisting predominately of silt were encountered in soil boring MW-05. The upper silty horizon had a minimum thickness of four feet, and occurred in the 5-10 foot depth interval. The lower silty horizon occurred in the 10-12 foot depth interval, had a minimum thickness of 0.8 feet, and may have extended beyond the maximum boring depth.

Bedrock encountered at the site was described as granite and was observed as shallow as four fbg at soil boring B-15.

##### 4.2 Soil Analytical Results

Twenty-nine soil samples were collected from 16 soil borings throughout the site. The samples were collected from surficial soil, from vadose zone soil directly above the water table, or from soil horizons exhibiting the highest PID readings. Laboratory analytical results of soil samples collected from on-site soil borings documented the presence of the following analytes in soil at concentrations above laboratory reporting limits:

Table 7  
Summary of Detected Compounds in Soil Samples

Metals (Method 6010)	EPH/PAH (MADEP EPH Method)	VPH (MADEP VPH Method)
Antimony	C19 to C36 Aliphatic Hydrocarbons	C9 to C12 Aliphatic Hydrocarbons
Arsenic	C11 to C22 Aromatic Hydrocarbons	
Barium	2-Methylnaphthalene	VOCs (Method 8260B)
Beryllium	Acenaphthene	Acetone
Cadmium	Acenaphthylene	M/P-xylenes
Chromium	Anthracene	Methyl Ethyl Ketone
Copper	Benzo(a)anthracene	Naphthalene
Lead	Benzo(a)pyrene	Tetrachloroethene (PCE)
Nickel	Benzo(b)fluoranthene	Toluene
Selenium	Benzo(k)fluoranthene	Trichloroethene (TCE)
Silver	Chrysene	
Thallium	Fluoranthene	



Metals (Method 6010)	EPH/PAH (MADEP EPH Method)	VPH (MADEP VPH Method)
Zinc	Fluorene	
Mercury (Method 7471)	Indeno(1,2,3-cd)pyrene	
	Phenanthrene	
	Pyrene	

Notes: PAH = polycyclic aromatic hydrocarbons

#### 4.3 Groundwater Analytical Results

Sixteen groundwater samples were collected from eight monitoring wells at the site. Laboratory analytical results of groundwater samples collected from on-site monitoring wells documented the presence of the following analytes in groundwater at concentrations above laboratory reporting limits:

Table 8  
Summary of Detected Compounds in Groundwater Samples

Metals (Method 6010)	VOCs (Method 8260)
Barium, Total & Dissolved	Methyl tert butyl ether (MTBE)
Beryllium, Total	cis-1,2-Dichloroethene
Cadmium, Total	1,1,1-trichloroethane
Chromium, Total	PCE
Copper, Total	TCE
Lead, Total & Dissolved	
Nickel, Total	
Zinc, Total	

#### 4.4 Depth to Groundwater and Groundwater Flow

Depth to groundwater in the on-site monitoring wells was measured by Fuss & O'Neill on several occasions. Based on the depth to water measurements collected from the monitoring wells and the site survey data, the direction of shallow groundwater flow at the site was generally to the south-southwest, as depicted on equipotential contour maps of shallow groundwater presented as [Figure 3](#) in both the Phase II ESA ([Appendix C](#)) and the Phase II ESA Addendum ([Appendix D](#)). Both figures are also included herein.

#### 4.5 Sediment Analytical Results

Nine sediment samples were collected from seven locations along Mine Brook. Laboratory analytical results of sediment samples collected from Mine Brook documented the presence of the following analytes in sediment at concentrations above laboratory reporting limits:

Table 10  
Summary of Detected Compounds in Sediment Samples

Metals (Method 6010)	EPH/PAH (MADEP EPH Method)	VOCs (Method 8260B)
Arsenic	Acenaphthylene	Acetone
Barium	Anthracene	PCE
Beryllium	Benzo(a)anthracene	TCE
Cadmium	Benzo(a)pyrene	



Metals (Method 6010)	EPH/PAH (MADEP EPH Method)	VOCs (Method 8260B)
Chromium	Benzo(b)fluoranthene	
Copper	Benzo(k)fluoranthene	
Lead	Chrysene	
Nickel	Dibenzo(a,h)anthracene	
Thallium	Fluoranthene	
Zinc	Fluorene	
	Indeno(1,2,3-cd)pyrene	
	Phenanthrene	
	Pyrene	

#### 4.6 Surface Water Analytical Results

Five surface water samples were collected from four locations along Mine Brook. Laboratory analytical results of surface water samples collected from Mine Brook documented the presence of the following analytes in surface water at concentrations above laboratory reporting limits:

Table 12  
Summary of Detected Compounds in Surface Water Samples

Metals (Method 6010)	VPH (MADEP VPH Method)
Barium	MTBE
Copper	
Lead	
Zinc	

#### 4.7 UST Confirmatory Soil Sample Results

Six confirmation soil samples were collected from the limits of the UST grave following tank removal. Laboratory analytical results of the confirmatory soil samples collected from the UST grave documented the presence of the following analytes in soil at concentrations above laboratory reporting limits:

Table 14  
Summary of Detected Compounds in Confirmation Soil Samples

Metals (Method 6010)	EPH/PAH (MADEP EPH Method)	VOCs (Method 8260B)
Arsenic	C9-C18 Aliphatic Hydrocarbons	Acetone
Barium	C19-C36 Aliphatic Hydrocarbons	PCE
Beryllium	C11-C22 Aromatic Hydrocarbons	TCE
Cadmium	Acenaphthylene	1,1,1-trichloroethane
Chromium	Anthracene	
Copper	Benzo(a)anthracene	
Lead	Benzo(a)pyrene	
Nickel	Benzo(b)fluoranthene	
Zinc	Benzo(k)fluoranthene	
	Fluoranthene	
	Fluorene	
	Indeno(1,2,3-cd)pyrene	
	Phenanthrene	
	Pyrene	



## 5.0 EVALUATION OF ANALYTICAL RESULTS

### 5.1 Data Verification

Procedures and methodologies for the collection and analyses of soil, groundwater, sediment and surface water samples were performed consistent with the MCP (310 CMR 40.0017). Analytical data were developed and reviewed in accordance with MADEP's *Compendium of Quality Assurance and Quality Control Requirements and Performance Standards for Selected Analytical Methods* (the CAM).

Presumptive Certainty was obtained for each data set collected as part of the subsurface investigation. Documentation was provided by Premier along with narrative summaries in the respective reports attached as Appendix C and Appendix D.

### 5.2 Soil

In accordance with 310 CMR 40.0361, the MCP Method 1 S-1, S-2, and S-3 standards for GW-2 and GW-3 areas were applied to soil samples obtained on the site. A summary of soil analytical results for samples collected by Fuss & O'Neill was included in each report included as Appendix C and Appendix D.

In summary, the concentrations of PCE and TCE exceeded the applicable standards in soil samples collected from borings B-04, B-06, and B-15. Additionally, the concentration of TCE in the soil sample collected from boring B-10 exceeded applicable standards. These soil samples were collected from the vadose zone to as deep as six fbg. These results suggest that these compounds were introduced to the subsurface via surficial releases.

The concentration of lead in soil samples collected from boring MW-05 up to seven fbg exceeded the applicable criteria. The concentration of beryllium in the soil sample collected from boring B-10 exceeded the S-2/GW-2 and S-2/GW-3 standards.

### 5.3 Groundwater

In accordance with 310 CMR 40.0362, the MCP Method 1 Groundwater standards for GW-2 and GW-3 areas were applied to groundwater samples obtained on the site. Laboratory analytical results of groundwater samples collected from on-site monitoring wells documented the presence of lead at levels in excess of the GW-3 criteria in samples collected from monitoring wells MW-1, MW-3, and MW-5. The VOC compounds PCE and TCE were reported at levels in excess of the GW-2 criteria in samples collected from monitoring wells MW-3, MW-4, and MW-13. Additionally, the concentration of TCE in the sample collected from monitoring well MW-16 exceeded the GW-2 standard.

### 5.4 Sediment

Sediment analytical results were compared to the sediment screening values. Laboratory analytical results of sediment samples collected from Mine Brook documented the presence of several EPH or SVOC compounds in samples SD-01, SD-05, SD-06, and SD-07 at levels



in excess of the sediment screening values. The detected compounds are collectively identified as PAHs. These sediment samples were collected in close proximity to each other and were collected from the western portion of the site in the vicinity of sediment sample SD-01.

#### 5.5 Surface Water

Surface water analytical results were compared to the MCP Method 1 Groundwater standards for GW-3 areas as well as the USEPA Chronic Criteria Continuous Concentrations, as documented in Table 10 of the February 2008 Phase II ESA Addendum attached as Appendix D. Laboratory analytical results of surface water samples collected from Mine Brook did not document the presence of compounds at levels in excess of these criteria.

#### 5.6 UST Confirmatory Soil Samples

In accordance with 310 CMR 40.0361, the RCS-1 reporting category and the MCP Method 1 standards for S-1, S-2, and S-3 for GW-1, GW-2, and GW-3 areas were applied to confirmatory soil samples obtained on the subject site associated with the UST closure.

Laboratory analytical results of soil samples collected from the limits of the tank grave did not document the presence of compounds at levels in excess of the applicable criteria.

### 6.0 CONCEPTUAL SITE MODEL

A conceptual site model (CSM) has been developed for the disposal site based on the nature and source of the release, geologic and hydrogeologic conditions, historical site uses, current uses and foreseeable site uses. Available site data, including data presented herein and generated in previous investigations by Fuss & O'Neill, was evaluated in developing the CSM. The CSM was used to develop conclusions regarding the apparent extent of contamination, the media affected by the releases, and sufficiency of investigations. A discussion of the source, site hydrogeology, migration pathways, and the nature and extent of contamination follows.

#### 6.1 Site Hydrogeological Characteristics

The disposal site was underlain by fine to medium sand, with varying proportions of gravel and silt. Apparent fill material containing metal slag and coal and/or coal ash was observed in soil borings advanced north of Mine Brook, and was concentrated in the upper two feet of soil. The soil deposits extended to at least 14 fbg based on the deepest soil boring (MW-17). No wide-ranging impermeable confining layer was identified in the available soil data at the site. Bedrock composed of granite was encountered as shallow as four fbg at soil boring B-15.

Two groundwater sampling events have been conducted at the disposal site and provide data related to seasonal groundwater occurrence and flow. The depth to groundwater ranged from approximately 4.2 fbg to approximately 9.2 fbg across the site. Shallow groundwater



flow direction was generally to the south-southwest toward Mine Brook. An equipotential contour map of shallow groundwater was presented as Figure 3 in both the Phase II ESA and Phase II ESA Addendum. Both figures are also attached herein.

Two monitoring wells, designated MW-13, and MW-14, were advanced and screened in bedrock at the first water-bearing fracture encountered during drilling. Based on the groundwater elevations in these wells, groundwater flow direction in the bedrock aquifer was generally to the southward in the direction of Mine Brook. Groundwater elevations at these bedrock wells compared to the elevation of shallow groundwater in overburden monitoring wells indicated an upward vertical hydraulic gradient from the bedrock aquifer to the overburden aquifer. However, the hydraulic connection of the bedrock and overburden aquifers was not established during this investigation.

Based on a review of MCP GW-1 inclusionary criteria and the Site Scoring Map, attached as Appendix B, groundwater at the site and the surrounding area was not used for drinking water and was not considered a potential drinking water source.

## 6.2 Contaminant Sources

Based on the investigations and reports summarized herein, the following releases were identified:

- Soil: chlorinated VOCs (PCE and TCE), beryllium, and lead
  - The highest concentrations of VOCs were identified in soil samples collected proximal to the western and northern edges of the Lot 27 building at two general locations:
    - § In shallow soil in the vicinity of B-06, B-10, and B-15. The source of VOCs in this area may be attributed to historic surficial spills that impacted shallow soil.
    - § In shallow soil and soil at the approximate depth of the water table at soil boring B-04. The source of VOCs in this area may be attributed to both historic surficial spills as well as a potential additional source of VOCs in groundwater at depth.
  - The source of beryllium in the soil sample collected from boring B-10 and lead in the soil sample collected from boring MW-05 is likely attributed to natural sources and/or historic filling practices at the site.
- Shallow Overburden Groundwater: chlorinated VOCs (PCE and TCE) and lead
  - VOCs in shallow groundwater were identified in samples collected from monitoring wells MW-03, MW-04, and MW-16. These wells were located in the vicinity of soil containing VOCs, likely as a result of surficial spills that





- migrated to groundwater. The dissolved-phase VOCs in these areas indicated that VOCs migrated to groundwater as a result of the historic spills.
- Lead in shallow groundwater was identified in samples collected from monitoring wells MW-01, MW-03, and MW-05. The source of lead in shallow groundwater was attributed to leaching of lead to groundwater from fill material deposited at the site.
  - Bedrock Groundwater: chlorinated VOCs (PCE and TCE)
    - VOCs in bedrock groundwater were identified in the sample collected from monitoring well MW-13. The source of VOCs in this monitoring well may be attributed to a combination of both surficial releases of VOCs to the subsurface as well as a potential additional source from within the on-site building. The additional source has not been confirmed, and additional investigation may be warranted following the demolition of the building.
  - Sediment: PAHs
    - PAHs in sediment were identified in the vicinity of sediment samples SD-01, SD-05, SD-06, and SD-07 at the western portion of the site and at downstream locations of Mine Brook.
    - The source of PAHs in sediment was attributed to historic filling practices at the site in which Mine Brook was channelized/re-located and former surface waters at the site were filled in; or to historic discharges from the former manufacturing facility.
  - Surface Water: No releases to surface water were identified.
  - UST Confirmatory Soil Samples: No releases to environmental media were identified associated with the former UST located at the southwest portion of the building.

The use and storage of chlorinated solvents at the site was discontinued when the site was vacated in 1989, thus eliminating the principal surface source of VOC contamination to site soil and groundwater.

### 6.3 Nature and Extent of Contamination

Based on the results of soil, groundwater, sediment, and surface water monitoring conducted at the site the lateral extent of the disposal site has generally been delineated and is shown on Figure 2. The nature and extent of contamination at the disposal site, based on the results of all Site Investigation activities conducted at the disposal site by Fuss & O'Neill, is detailed in Section 4.0 and Section 5.0. However, additional delineation of the source and/or extent of VOCs in bedrock groundwater as well as PAHs in sediment may be warranted.



#### 6.4 Migration Pathways and Exposure Potential

A description of the migration pathways associated with each of the types of environmental media affected by the releases at the site, sediment, soil, and groundwater, are summarized in the following paragraphs. These potential pathways are the primary methods for migration of site-related contaminants of concern (COC).

Migration and mobilization of COC in shallow soil may occur via infiltration of stormwater through vadose zone soil containing COC and via migration of shallow groundwater through saturated soil containing COC. VOCs in shallow soil can also volatilize and migrate into building structures located above soil containing VOCs.

Migration of COC in shallow overburden groundwater may occur via horizontal migration through saturated overburden toward Mine Brook. Although the data presented in [Section 6.1](#) indicates that the vertical gradient in the central portion of the site is generally upward, the increasing concentration of dissolved VOCs with depth indicates a chlorinated VOC pathway downward to the deeper bedrock aquifer. The relative concentrations of COC in shallow and deep groundwater are indicative of a potential unidentified source within or beneath the abandoned building and a potentially historical direct release from the facility to the bedrock aquifer. Migration of COC in the deeper bedrock aquifer is considered to be via fracture flow, and may not be well defined by the equipotential contours representing shallow groundwater gradients. VOC in shallow groundwater can also volatilize and migrate into building structures located above the dissolved phase plume of VOC.

Migration of metals and PAH compounds through site soil and sediment and into on-site buildings is not expected due to the generally low mobility of metals and PAH compounds in these media.

#### 6.5 Evaluation for Immediate Response Actions

Immediate response actions regarding the identified releases at the site were not warranted for the following reasons:

- Site conditions that would warrant a "Two Hour" notification was not identified for the releases.
- A "72 Hour" notification was not identified for the releases.
- A Substantial Release Migration was not identified.
- Accelerated response actions were not necessary to prevent, eliminate, or minimize damage to health, safety, public welfare, or the environment.

#### 7.0 NUMERICAL RANKING SYSTEM (NRS) SITE SCORING – TIER CLASSIFICATION

NRS Site Scoring was conducted in accordance with 310 CMR 40.1500. Details of the site scoring are presented on MADEP forms BWSC107 and BWSC107A, copies of which are included in [Appendix E](#). The NRS score for the disposal site was 212. In accordance with



the MCP, the disposal site is Tier Classified as Tier II. In accordance with Tier Classification requirements, the Chief Municipal Officer and Local Board of Health of the Town of Franklin have been notified of this submittal, and a Legal Notice of a Tier Classification has been made in accordance with 310 CMR 40.1403. Copies of these notifications are included in Appendix F.

## 8.0 CONCLUSIONS

Based upon the results of this assessment, the following conclusions were drawn:

- Soil
  - A release of TCE and PCE to surficial soil was identified near the northern boundary of the disposal site. The source of the release was attributed to historic surficial releases of chlorinated solvents.
  - A release of TCE and PCE to surficial and vadose zone soil was identified near the intersection of the Lot 27 building and Mine Brook (soil boring B-4). The source of the release in this area may be attributed to historic surficial releases of chlorinated solvents and to a potential subsurface source of VOCs in groundwater.
  - A release of beryllium and lead in surficial soil was identified. The presence of metals at levels above applicable soil standards may be attributed to natural sources and/or historic filling practices at the site.
- Shallow Overburden Groundwater
  - A release of TCE and PCE to shallow groundwater was identified in the area of the surficial soil release of chlorinated solvents. The release of TCE and PCE in shallow groundwater may be attributed to the migration of chlorinated solvents spilled onto surface soil to shallow groundwater.
  - A release of lead in shallow groundwater was identified, and may be attributed to leaching of metals to groundwater from fill deposited at the site.
- Bedrock Groundwater
  - A release of TCE and PCE to bedrock groundwater was identified at monitoring well MW-13 and MW-14. The release may be attributed to a potential additional source from within or beneath the on-site buildings. Additional investigation following the demolition of site buildings may be warranted to evaluate the source of VOCs in deep groundwater.
- Sediment
  - The presence of PAH in Mine Brook sediment along the western boundary of the subject site may be attributed to historic filling associated with the channelizing of Mine Brook or to historic discharges from the former manufacturing facility.
- No releases to surface water or to environmental media surrounding the former UST were identified during site investigation activities conducted by Fuss & O'Neill.



- Comprehensive Response Actions are necessary at the disposal site, including Tier Classification pursuant to 310 CMR 40.0500. Based on the information documented in this report and in the attached transmittals, the disposal site qualifies as a Tier II Site. The following transmittal documents are included in Appendix E of this report:
  - BWSC107 – Tier Classification Transmittal Form
  - BWSC107A – NRS Scoresheet
  - BWSC107B – Tier II Compliance History

## 9.0 CONCEPTUAL PHASE II SCOPE OF WORK

A conceptual Phase II Scope of Work has been prepared in support of the submittal of the MCP Phase I and Tier II Classification document presented herein, pursuant to the MCP (310 CMR 40.0510).

### 9.1 Assessment Plan

The anticipated assessment plan includes the additional soil and groundwater assessment subsequent to the demolition of the Lot 27 building. The assessment may include additional soil borings and monitoring wells in the vicinity of the identified releases as well as within the footprint of the building.

Based on the apparent limited extent of PAH compounds in sediment, it is anticipated that additional sampling may be conducted concurrent with the performance of remedial response actions in the area of sediment sample SD-01.

### 9.2 Projected Schedule

As detailed herein, a significant proportion of Phase II assessment activities have been conducted. The additional assessment activities will be conducted following demolition of the Lot 27 building. A schedule for demolition has not been currently established by the Town. It is understood that assessment response actions shall be implemented in accordance with the timelines specified in the MCP.

### 9.3 Projected Cost

The projected cost for comprehensive site assessment activities outlined in Section 9.1 above is estimated to be in the range of \$25,000 to \$50,000. If further subsurface investigations or alternative risk assessment (Method 3 or Ecological Risk Assessment) are warranted to characterize the site, additional project costs will be necessary. It will not be feasible to conduct the outlined assessment tasks without removal of the existing Lot 27 building. The cost for demolition and associated remediation response actions is estimated to be \$200,000 to \$300,000. The Town has not identified a source for this funding. The Town has applied for funding support from USEPA, and will continue to evaluate alternative funding mechanisms.



The scope of work, budget, and projected schedule are presented based on conceptual agreement and authorization by the potentially responsible party.



## 10.0 REFERENCES

Fuss & O'Neill, 2006a. Phase I Environmental Site Assessment, Former Nu-Style Company, Inc. Facility, 87 Grove Street (Lots 22 & 27), Franklin, Massachusetts, May 2006.

Fuss & O'Neill, 2006b. Quality Assurance Project Plan, Phase II Site Assessment, Former Nu-Style Company, Inc. Facility, RFA# 07011, October 2006.

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IES, Inc., 1990. Chapter 21-E Site Evaluation, 87 Grove Street, Franklin, MA. January 17, 1990.

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MADEP, 2007. Massachusetts Contingency Plan, 310 CMR 40.0000.

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USDA. United States Department of Agriculture, Natural Resources Conservation Services Soil Survey Geographic (SSURGO) Database, accessed online at MassGIS, March 18, 2008.

United States Geological Survey, 1987, Franklin, Massachusetts-Rhode Island Quadrangle, 7.5 x 15-Minute Series Topographic Map; United States Department of the Interior, U.S. Geological Survey.

Zen, Ean. 1983, Bedrock Geologic Map of Massachusetts; United State Department of the Interior, U.S. Geological Survey, in cooperation with the Commonwealth of Massachusetts Department of Public Works and Joseph A. Sinnot, State Geologist.

## TABLES

### FORMER NU-STYLE COMPANY, INC. PHASE II SITE ASSESSMENT

Table 6  
Summary of Soil Analytical Data

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase I Initial Site Investigation Report  
Prepared for the Town of Franklin, Massachusetts

May 2008

Sample Location Sample ID Date Collected Sample Type	UNITS	B-02 841061130-03 11/30/2006 Primary	B-02 841061130-04 11/30/2006 Primary	B-04 841061130-07 11/30/2006 Primary	B-04 841061130-08 11/30/2006 Primary	B-05 841061130-09 11/30/2006 Primary	B-05 841061130-10 11/30/2006 Primary	B-06 841061130-11 11/30/2006 Primary	B-06 841061130-12 11/30/2006 Primary	B-10 841061201-21 12/1/2006 Primary	B-10 841061201-22 12/1/2006 Primary	B-11 841061201-23 12/1/2006 Primary	B-11 841061201-24 12/1/2006 Primary	B-12 841061201-25 12/1/2006 Primary	B-15 841071101-03 11/1/2007 Primary	MW-01 841061130-01 11/30/2006 Primary	MW-01 841061130-02 11/30/2006 Primary	MW-02 841061130-05 11/30/2006 Primary	MW-02 841061130-06 11/30/2006 Primary	MW-03 841061130-13 11/30/2006 Primary	MW-03 841061130-14 11/30/2006 Primary	MW-04 841061130-15 11/30/2006 Primary	MW-04 841061130-16 11/30/2006 Duplicate 1	MW-04 841061130-17 11/30/2006 Primary	MW-05 841061201-19 12/1/2006 Primary	MW-05 841061201-20 12/1/2006 Primary	MW-13 841071031-01 10/31/2007 Primary	MW-17 841071101-04 11/1/2007 Primary	MW-17 841071101-05 11/1/2007 Primary	MW-17 841071101-06 11/1/2007 Duplicate 1	
Starting Depth	feet	0	5	0	5	0.4	5	0	1	0	5	0	5	0	2	0.5	3	0	5	0	5	0	5	0	5	0.4	5	10	0.3	6	6
Ending Depth	feet	2	7	2	6	2	7	0.5	2	2	7	2	7	2	4	2	5	3	7	2	7	2	2	7	2	7	12	2	8	8	
Metals (EPA Method 6010)																															
Antimony	mg/kg	ND < 0.56	ND < 0.59	ND < 0.57	ND < 0.57	ND < 0.53	ND < 0.54	ND < 0.54	ND < 0.59	ND < 0.50	ND < 0.50	ND < 0.54	ND < 0.60	ND < 0.56	NA	ND < 0.53	ND < 0.56	ND < 0.59	ND < 0.57	ND < 0.55	ND < 0.55	ND < 0.56	ND < 0.53	ND < 0.55	6.5	6.9	NA	1.0	ND < 0.18	ND < 0.18	
Arsenic	mg/kg	1.2	ND < 0.59	ND < 0.57	2.0	1.1	ND < 0.54	ND < 0.54	1.8	ND < 0.50	ND < 0.50	1.8	ND < 0.60	3.1	NA	ND < 0.50	ND < 0.56	6.6	2.6	ND < 0.55	ND < 0.55	ND < 0.56	ND < 0.53	ND < 0.55	3.1	ND < 0.50	NA	3.0	1.3	0.84	
Barium	mg/kg	36	20	48	24	39	10	28	26	16	9.6	23	34	30	NA	16	24	36	36	18	11	14	9.2	17	110	55	NA	26	15	15	
Beryllium	mg/kg	0.21	0.19	0.34	0.36	0.25	0.13	0.18	0.16	0.7	0.91	0.16	0.38	0.26	NA	0.19	0.57	0.22	0.15	0.12	0.17	0.24	0.081	0.15	0.37	0.17	NA	0.35	0.24	0.21	
Cadmium	mg/kg	0.17	0.14	0.34	0.19	0.22	ND < 0.11	0.46	0.13	ND < 0.10	ND < 0.10	0.26	ND < 0.12	0.19	NA	ND < 0.10	ND < 0.11	0.13	ND < 0.11	0.16	ND < 0.11	0.15	ND < 0.11	ND < 0.11	0.54	0.18	NA	0.6	0.37	0.17	
Chromium	mg/kg	7.1	6.0	8.4	5.4	5.1	3.5	5.8	7.4	5.2	1.9	5.4	4.4	6	NA	3.2	5.3	35	4.1	2.2	5.5	6.0	1.4	5.7	27	26	NA	24	15	3.8	
Copper	mg/kg	91	43	13	18	32	3.4	31	20	6.3	1.9	8.5	2.9	37	NA	4.9	12	160	9.0	5.0	2.9	2.0	2.5	25	29	9.5	NA	110	11	3.1	
Lead	mg/kg	40	18	8.4	22	20	1.6	97	25	2.9	4.8	17	4.3	93	NA	4.9	8.1	25	89	9.2	2.6	3.4	1.5	4.7	780	310	NA	68	7.1	2.5	
Mercury (EPA Method 7471)	mg/kg	0.029	ND < 0.024	0.034	0.051	0.023	ND < 0.022	ND < 0.021	0.065	0.023	ND < 0.021	0.032	ND < 0.024	0.044	NA	ND < 0.021	ND < 0.022	0.14	ND < 0.023	ND < 0.022	ND < 0.022	ND < 0.023	ND < 0.021	ND < 0.022	0.073	ND < 0.023	NA	0.12	0.028	ND < 0.024	
Nickel	mg/kg	4.0	3.6	23	37	4.9	14	10	2.6	3.6	1.0	3.2	1.7	130	NA	2.6	3.3	6.2	5.0	3.2	1.8	2.0	6.5	2.0	6.4	6.3	NA	4.3	4.7	2.2	
Zinc	mg/kg	85	63	20	26	48	6.8	71	14	22	15	48	8.4	28	NA	10	13	27	54	14	6.3	4.0	4.2	16	310	84	NA	73	28	11	
VOC (EPA Method 8260)																															
1,1,1-trichloroethane	µg/kg	ND < 5.1	ND < 5.8	ND < 570	ND < 1,100	ND < 5.0	ND < 5.3	ND < 1,100	ND < 5.8	ND < 270	ND < 5.4	ND < 5.0	ND < 5.7	ND < 5.2	ND < 1,200	ND < 5.3	ND < 5.6	ND < 5.3	ND < 5.5	ND < 5.2	ND < 5.4	73	17	ND < 4.6	ND < 4.6	ND < 5.6	ND < 3.2	ND < 6.4	ND < 4.7	ND < 5.2	
Acetone	µg/kg	ND < 20	ND < 23	ND < 2,300	ND < 4,500	ND < 20	ND < 21	ND < 4,300	ND < 23	ND < 1,100	ND < 22	ND < 20	30	ND < 21	ND < 1,200	ND < 21	ND < 22	ND < 21	ND < 22	ND < 21	ND < 22	ND < 21	ND < 22	ND < 20	ND < 18	ND < 18	ND < 22	ND < 3.2	11	28	35
M/P-xylenes	µg/kg	7.0	ND < 5.8	ND < 350	ND < 340	ND < 5.0	ND < 5.3	ND < 300	ND < 5.8	ND < 270	ND < 5.4	ND < 5.0	ND < 5.7	ND < 5.2	ND < 1,200	ND < 5.3	ND < 5.6	ND < 5.3	ND < 5.5	ND < 5.2	ND < 5.4	ND < 5.2	ND < 4.9	ND < 4.6	ND < 4.6	ND < 5.6	ND < 3.2	ND < 6.4	ND < 4.7	ND < 5.2	
Methyl ethyl Ketone	µg/kg	ND < 10	ND < 12	ND < 1,100	ND < 2,300	ND < 10	ND < 10	ND < 2,100	ND < 12	ND < 550	ND < 11	ND < 10	ND < 11	ND < 10	ND < 1,200	ND < 10	ND < 11	ND < 11	ND < 11	ND < 10	ND < 11	ND < 10	ND < 9.8	ND < 9.2	ND < 9.2	ND < 11	ND < 3.2	ND < 6.4	6.6	7.4	
Naphthalene	µg/kg	ND < 5.1	10	ND < 110	ND < 110	ND < 5.0	ND < 5.3	ND < 100	ND < 5.8	ND < 100	ND < 5.4	ND < 5.0	ND < 5.7	ND < 5.2	ND < 1,200	ND < 5.3	ND < 5.6	ND < 5.3	ND < 5.5	ND < 5.2	260	ND < 5.4	ND < 5.2	2300	ND < 4.6	ND < 5.6	ND < 3.2	140	ND < 4.7	ND < 5.2	
Tetrachloroethylene	µg/kg	ND < 5.1	ND < 5.8	15,000	20,000	110	22	34,000	310	4,300	48	40	45	11	40,000	ND < 5.3	ND < 5.6	28	45	130	120	13	18	26	ND < 4.6	ND < 5.6	6.4	ND < 6.4	ND < 4.7	ND < 5.2	
Toluene	µg/kg	17	ND < 5.8	ND < 350	ND < 340	ND < 5.0	ND < 5.3	ND < 300	ND < 5.8	ND < 270	ND < 5.4	16	ND < 5.7	ND < 5.2	ND < 1,200	ND < 5.3	ND < 5.6	ND < 5.3	ND < 5.5	ND < 5.2	ND < 5.4	ND < 5.2	ND < 4.9	ND < 4.6	ND < 4.6	ND < 5.6	ND < 3.2	ND < 6.4	ND < 4.7	ND < 5.2	
Trichloroethylene	µg/kg	ND < 5.1	ND < 5.8	19,000	31,000	58	9.6	6,700	79	9,300	150	5	ND < 5.7	6.5	9,200	ND < 5.3	ND < 5.6	12	21	150	67	37	44	24	ND < 4.6	ND < 5.6	3.5	ND < 6.4	ND < 4.7	ND < 5.2	
EPH with Targets (MADEP Method)																															
C11-C22 Aromatics	µg/kg	17,000	32,000	40,000	61,000	33,000	ND < 11,000	92,000	ND < 12,000	25,000	ND < 10,000	18,000	ND < 11,000	28,000	NA	100,000	16,000	110,000	20,000	52,000	81,000	ND < 11,000	ND < 11,000	ND < 10,000	ND < 11,000	ND < 11,000	ND < 11,000	NA	60,000	17,000	ND < 12,000
C19-C36 Aliphatics	µg/kg	ND < 11,000	ND < 11,000	ND < 11,000	ND < 11,000	ND < 10,000	ND < 11,000	24,000	ND < 12,000	ND < 10,000	ND < 10,000	ND < 11,000	ND < 11,000	16,000	NA	40,000	14,000	ND < 11,000	ND < 11,000	ND < 10,000	38,000	ND < 11,000	ND < 11,000	ND < 10,000	ND < 11,000	ND < 11,000	ND < 11,000	NA	18,000	ND < 12,000	ND < 12,000
2-Methylnaphthalene	µg/kg	ND < 110	ND < 110	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	ND < 120	ND < 100	ND < 100	ND < 110	ND < 110	ND < 110	NA	ND < 100	ND < 100	210	ND < 110	200	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	ND < 130	ND < 120	ND < 120	
Acenaphthene	µg/kg	740	ND < 110	ND < 110	ND < 110	220	ND < 110	ND < 110	ND < 120	ND < 100	ND < 100	ND < 110	ND < 110	ND < 110	NA	ND < 100	ND < 100	ND < 110	ND < 110	560	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	150	ND < 120	ND < 120	
Acenaphthylene	µg/kg	240	340	230	250	ND < 100	ND < 110	260	ND < 120	200	ND < 100	ND < 110	ND < 110	120	NA	270	ND < 100	1,300	350	150	120	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	260	ND < 120	ND < 120	
Anthracene	µg/kg	ND < 110	320	200	ND < 110	970	ND < 110	340	ND < 120	250	ND < 100	ND < 110	ND < 110	ND < 110	NA	390	ND < 100	2,000	ND < 110	1,800	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	640	ND < 120	ND < 120	
Benzo(a)anthracene	µg/kg	ND < 110	1,000	330	310	1,100	ND < 110	560	ND < 120	1,500	ND < 100	ND < 110	ND < 110	490	NA	1,200	ND < 100	4,400	200	2,800	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	1,800	ND < 120	ND < 120	
Benzo(a)pyrene	µg/kg	ND < 110	1,000	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	ND < 120	2,000	ND < 100	ND < 110	ND < 110	ND < 110	NA	1,100	ND < 100	3,900	ND < 110	2,200	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	1,600	ND < 120	ND < 120	
Benzo(b)fluoranthene	µg/kg	ND < 110	1,400	560	ND < 110	ND < 100	ND < 110	ND < 110	ND < 120	2,000	ND < 100	ND < 110	ND < 110	290	NA	1,700	ND < 100	5,600	ND < 110	2,600	230	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	1,800	ND < 120	ND < 120	
Benzo(k)fluoranthene	µg/kg	ND < 110	540	170	ND < 110	ND < 100	ND < 110	ND < 110	ND < 120	860	ND < 100	ND < 110	ND < 110	ND < 110	NA	600	ND < 100	1,900	ND < 110	1,100	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	1,300	ND < 120	ND < 120	
Chrysene	µg/kg	ND < 110	1,200	640	590	1,200	ND < 110	810	ND < 120	120	ND < 100	ND < 110	ND < 110	ND < 110	NA	1,600	ND < 100	4,500	280	2,800	440	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	1,700	ND < 120	ND < 120	
Fluoranthene	µg/kg	490	2,100	380	410	2,300	ND < 110	940	ND < 120	1,300	ND < 100	ND < 110	ND < 110	1,300																	



Table 6 (Continued)  
MADEP Criteria for Detected Compounds in Soil and Sediment

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase I Initial Site Investigation Report  
Prepared for the Town of Franklin, Massachusetts

May 2008

		Regulatory Criteria for Soil						MADEP Stage I Freshwater Sediment Screening Criteria*
		MA Method 1 S-1 Std Application for GW-2 area	MA Method 1 S-1 Std Application for GW-3 area	MA Method 1 S-2 Std Application for GW-2 area	MA Method 1 S-2 Std Application for GW-3 area	MA Method 1 S-3 Std Application for GW-2 area	MA Method 1 S-3 Std Application for GW-3 area	
Total Metals (via Method 6010/7471)	UNITS							
Antimony	mg/kg	20	20	30	30	30	30	NE
Arsenic	mg/kg	20	20	20	20	20	20	33
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	NE
Beryllium	mg/kg	1	1	1	1	3	3	NE
Cadmium	mg/kg	2	2	30	30	30	30	5.0
Chromium	mg/kg	30	30	200	200	200	200	110
Copper	mg/kg	----	----	----	----	----	----	150
Lead	mg/kg	300	300	300	300	300	300	130
Mercury	mg/kg	20	20	30	30	30	30	0.18
Nickel	mg/kg	20	20	700	700	700	700	49
Thallium	mg/kg	8,000	8,000	60,000	60,000	80,000	80,000	NE
Zinc	mg/kg	2,500	2,500	3,000	3,000	5,000	5,000	460
VPH (MADEP Method)								
C9-C12 Aliphatics	µg/kg	1,000,000	1,000,000	2,500,000	2,500,000	5,000,000	5,000,000	
VOC (Method 8260B)								
1,1,1-trichloroethane	µg/kg	500,000	500,000	600,000	1,000,000	600,000	3,000,000	NE
Acetone	µg/kg	60,000	60,000	60,000	60,000	60,000	60,000	NE
M/P-xylenes	µg/kg	300,000	300,000	5,000,000	5,000,000	300,000	300,000	NE
Methyl ethyl Ketone	µg/kg	40,000	40,000	40,000	40,000	40,000	40,000	NE
Naphthalene	µg/kg	40,000	500,000	2,000,000	2,000,000	40,000	3,000,000	NE
Tetrachloroethylene	µg/kg	10,000	30,000	10,000	200,000	10,000	1,000,000	NE
Toluene	µg/kg	300,000	500,000	2,500,000	2,500,000	300,000	1,000,000	NE
Trichloroethylene	µg/kg	2,000	90,000	2,000	700,000	2,000	2,000,000	NE
EPH (MADEP Method)								
C19-C36 Aliphatics	µg/kg	2,500,000	2,500,000	5,000,000	5,000,000	5,000,000	5,000,000	NE
C11-C22 Aromatics	µg/kg	800,000	800,000	2,000,000	2,000,000	5,000,000	5,000,000	NE
2-Methylnaphthalene	µg/kg	500,000	500,000	1,000,000	1,000,000	2,000,000	1,000,000	NE
Acenaphthene	µg/kg	1,000,000	1,000,000	2,500,000	2,500,000	5,000,000	4,000,000	NE
Acenaphthylene	µg/kg	100,000	100,000	2,500,000	1,000,000	2,500,000	1,000,000	NE
Anthracene	µg/kg	1,000,000	1,000,000	2,500,000	2,500,000	5,000,000	5,000,000	57
Benzo(a)anthracene	µg/kg	7,000	7,000	40,000	40,000	300,000	300,000	110
Benzo(a)pyrene	µg/kg	2,000	2,000	4,000	4,000	30,000	30,000	150
Benzo(b)fluoranthene	µg/kg	7,000	7,000	40,000	40,000	300,000	300,000	NE
Benzo(ghi)perylene	µg/kg	1,000,000	1,000,000	2,500,000	2,500,000	2,500,000	2,500,000	NE
Benzo(k)fluoranthene	µg/kg	70,000	70,000	400,000	400,000	3,000,000	3,000,000	NE
Chrysene	µg/kg	7,000	7,000	10,000	10,000	40,000	40,000	170
Dibenzo(a,h)anthracene	µg/kg	700	700	4,000	4,000	30,000	30,000	33
Fluoranthene	µg/kg	1,000,000	1,000,000	3,000,000	3,000,000	5,000,000	5,000,000	420
Fluorene	µg/kg	1,000,000	1,000,000	3,000,000	2,000,000	5,000,000	4,000,000	77
Indeno (1,2,3-cd)pyrene	µg/kg	7,000	7,000	40,000	40,000	300,000	300,000	NE
Naphthalene	µg/kg	40,000	500,000	2,000,000	2,000,000	40,000	3,000,000	180
Phenanthrene	µg/kg	1,000,000	100,000	2,500,000	100,000	2,500,000	100,000	200
Pyrene	µg/kg	1,000,000	1,000,000	3,000,000	3,000,000	5,000,000	5,000,000	200

NOTES:

µg/kg: micrograms per kilogram  
mg/kg: milligrams per kilogram  
NE: not established  
S: soil  
GW: groundwater  
VPH: Volatile Petroleum Hydrocarbons

VOC: volatile organic compounds  
EPH: Extractable Petroleum Hydrocarbons  
MADEP: Massachusetts Department of Environmental Protection  
\* Sediment Screening Criteria incorporate Threshold Effect Concentrations of MacDonald et al. (2000) and revised Sediment Screening Criteria published by MADEP (2005).

Created by: SAH  
Reviewed by: DJPF

Table 9  
Summary of Groundwater Analytical Data and Objectives

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase I Initial Site Investigation Report  
Prepared for the Town of Franklin, Massachusetts

May 2008

Sample Location Sample ID Date Collected Sample Type		MCP Regulatory Standards		MW-01	MW-01	MW-01	MW-02	MW-02	MW-03	MW-03	MW-04	MW-05	MW-05	MW-13	MW-13	MW-14	MW-16	MW-17	MW-17
		MA Method 1 GW Std Application for GW-2 area	MA Method 1 GW Std Application for GW-3 area	841061208-27 12/8/2006 Primary	841061208-28 12/8/2006 Duplicate	841071106-03 11/6/2007 Primary	841061208-30 12/8/2006 Primary	841071107-10 11/7/2007 Primary	841061208-32 12/8/2006 Primary	841071107-11 11/7/2007 Primary	841061208-29 12/8/2006 Primary	841061208-31 12/8/2006 Primary	841071107-09 11/7/2007 Primary	841071106-05 11/6/2007 Primary	841071106-06 11/6/2007 Duplicate	841071106-04 11/6/2007 Primary	841071107-08 11/7/2007 Primary	841071106-01 11/6/2007 Primary	841071106-02 11/6/2007 Duplicate
Groundwater Parameters	UNITS																		
pH	SU	----	----	5.97	5.97	6.35	6.59	6.86	6.33	5.91	5.97	NA	6.03	5.68	5.68	5.78	5.91	6.36	6.36
Specific Conductance	µS/cm	----	----	464	464	470	1,727	1,547	1,534	3,129	2,010	NA	NA	3,761	3,761	3,065	2,543	494	494
Temperature	C deg	----	----	13.1	13.1	17	8.3	13.7	7.6	14.1	10.5	NA	13.2	12	12	15.5	14.9	17.9	17.9
Turbidity	ntu	----	----	36	36	20.5	50	NA	500	NA	15	NA	NA	4.64	4.64	3.3	8.9	4.4	4.4
Dissolved Oxygen	mg/l	----	----	0.4	0.4	0.1	7.7	4.9	6.9	4.9	2.6	NA	NA	2.8	2.8	3.5	1.6	0.1	0.1
ORP	mv			-35.0	NA	-116.2	59	45.8	93.2	51.3	45.1	NA	NA	30	30	20.2	52.6	-53.2	NA
Metals (EPA Method 6010)																			
Barium, Total	mg/l	NE	50	0.042	0.038	0.031	0.15	NA	0.21	NA	0.14	0.83	NA	0.24	0.25	0.12	0.11	0.06	0.061
Barium, Dissolved	mg/l	NE	50	NA	NA	NA	NA	0.18	NA	0.17	NA	NA	0.39	NA	NA	NA	NA	NA	NA
Beryllium	mg/l	NE	0.05	ND < 0.0010	ND < 0.0010	NA	ND < 0.0010	NA	0.0087	NA	ND < 0.0010	0.0018	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/l	NE	0.004	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020	NA	ND < 0.0020	NA	ND < 0.0020	0.0034	NA	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020
Chromium	mg/l	NE	0.3	ND < 0.010	ND < 0.010	0.0029	ND < 0.010	NA	0.036	NA	ND < 0.01	0.092	NA	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020
Copper	mg/l	NE	NE	ND < 0.010	ND < 0.010	NA	0.015	NA	0.018	NA	ND < 0.01	0.073	NA	NA	NA	NA	NA	NA	NA
Lead, Total	mg/l	NE	0.01	0.014	0.012	0.0066	ND < 0.0040	NA	0.098	NA	ND < 0.0040	1.9	NA	0.0033	0.0053	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020
Lead, Dissolved	mg/l	NE	0.01	NA	NA	NA	NA	0.0026	NA	0.006	NA	NA	0.094	NA	NA	NA	NA	NA	NA
Nickel	mg/l	NE	0.2	ND < 0.010	ND < 0.010	NA	0.15	NA	0.054	NA	0.017	0.12	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/l	NE	0.9	0.023	0.015	NA	0.057	NA	0.17	NA	0.028	0.73	NA	NA	NA	NA	NA	NA	NA
VOC (EPA Method 8260)																			
1,1,1-trichloroethane	µg/l	4,000	20,000	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.8	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-dichloroethylene	µg/l	100	50,000	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.7	ND < 1.0	ND < 1.0	8	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methyl tert butyl ether	µg/l	50,000	50,000	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.8	ND < 1.0	ND < 1.0	1.5	1.4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethylene	µg/l	50	30,000	ND < 1.0	ND < 1.0	ND < 1.0	6.6	23	43	74	240	ND < 1.0	1.3	290	260	12	41	ND < 1.0	ND < 1.0
Trichloroethylene	µg/l	30	5,000	ND < 1.0	ND < 1.0	ND < 1.0	6.6	25	40	59	150	ND < 1.0	ND < 1.0	60	56	20	45	ND < 1.0	ND < 1.0

NOTES:  
--- Not applicable  
ND <X: Compound not detected above laboratory reporting limit  
NA: Not analyzed  
NE: Not established  
µS/cm: microsiemens per centimeter  
C deg: degrees Celcius  
ntu: nephelometric turbidity units  
ORP: Oxidation-reduction potential  
mv: millivolts  
mg/l: milligrams per liter  
µg/l: micrograms per liter  
VOC: Volatile organic compounds  
Bold and color-shaded values indicate exceedence of one or more regulatory criteria.

Created by: SAH  
Reviewed by: DJPE

Table 11  
Summary of Sediment Analytical Data and Objectives

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase I Initial Site Investigation Report  
Prepared for the Town of Franklin, Massachusetts

May 2008

Sample Location		SD-01 841070426-06 4/26/2007 Primary	SD-02 841070426-07 4/26/2007 Primary	SD-03 841070426-08 4/26/2007 Primary	SD-03 841070426-09 4/26/2007 Duplicate 1	SD-04 841070426-10 4/26/2007 Primary	SD-05* 937071025-01 10/25/2007 Primary	SD-05* 937071025-02 10/25/2007 Duplicate 1	SD-06* 937071025-04 10/25/2007 Primary	SD-07* 937071025-03 10/25/2007 Primary
Sample ID										
Date Collected										
Sample Type	UNITS									
Starting Depth	feet	0	0	0	0	0	0	0	0	0
Ending Depth	feet	0.2	0.2	0.2	0.2	0.2	0.25	0.25	0.25	0.25
<b>Metals (EPA Method 6010)</b>										
Arsenic	mg/kg	ND < 0.31	0.75	ND < 0.30	1.2	ND < 0.30	NA	NA	NA	NA
Barium	mg/kg	15	20	22	16	9.0	NA	NA	NA	NA
Beryllium	mg/kg	0.13	0.16	0.16	0.15	0.15	NA	NA	NA	NA
Cadmium	mg/kg	0.14	0.13	0.16	0.14	0.14	NA	NA	NA	NA
Chromium	mg/kg	1.6	1.3	0.75	1.1	2.9	NA	NA	NA	NA
Copper	mg/kg	7.0	6.1	1.8	1.9	3.2	NA	NA	NA	NA
Lead	mg/kg	8.6	5.9	4.8	6.6	13	NA	NA	NA	NA
Nickel	mg/kg	5.4	3.6	0.69	1.5	1.4	NA	NA	NA	NA
Thallium	mg/kg	0.55	0.99	0.69	ND < 0.30	ND < 0.30	NA	NA	NA	NA
Zinc	mg/kg	23	18	15	16	12	NA	NA	NA	NA
<b>VOC (EPA Method 8260)</b>										
Acetone	µg/kg	ND < 5.2	ND < 5.4	ND < 4.6	ND < 5.1	7.8	NA	NA	NA	NA
Tetrachloroethylene	µg/kg	7.6	37	ND < 4.6	ND < 5.1	ND < 4.5	NA	NA	NA	NA
Trichloroethylene	µg/kg	ND < 5.2	12	ND < 4.6	ND < 5.1	ND < 4.5	NA	NA	NA	NA
<b>EPH/SVOC (MADEP Method/EPA Method 8270)</b>										
C11-C22 Aromatics	µg/kg	14,000	ND < 12,000	ND < 12,000	ND < 12,000	ND < 12,000	NA	NA	NA	NA
C19-C36 Aliphatics	µg/kg	20,000	ND < 12,000	ND < 12,000	ND < 12,000	ND < 12,000	NA	NA	NA	NA
Acenaphthylene	µg/kg	140	ND < 120	ND < 120	ND < 120	ND < 120	77	160	76	170
Anthracene	µg/kg	160	ND < 120	ND < 120	ND < 120	ND < 120	340	280	58	98
Benzo(a)anthracene	µg/kg	330	ND < 120	ND < 120	ND < 120	ND < 120	440	ND < 40	400	920
Benzo(a)pyrene	µg/kg	ND < 120	ND < 120	ND < 120	ND < 120	ND < 120	330	770	350	860
Benzo(b)fluoranthene	µg/kg	120	ND < 120	ND < 120	ND < 120	ND < 120	470	690	520	1,200
Benzo(k)fluoranthene	µg/kg	140	ND < 120	ND < 120	ND < 120	ND < 120	390	1,000	450	990
Chrysene	µg/kg	ND < 120	ND < 120	ND < 120	ND < 120	ND < 120	480	1,100	500	1,200
Dibenzo(a,h)anthracene	µg/kg	ND < 120	ND < 120	ND < 120	ND < 120	ND < 120	46	100	ND < 40	160
Fluoranthene	µg/kg	820	ND < 120	ND < 120	ND < 120	ND < 120	890	2,500	810	2,000
Fluorene	µg/kg	ND < 120	ND < 120	ND < 120	ND < 120	ND < 120	ND < 38	81	ND < 40	ND < 46
Indeno (1,2,3-cd)pyrene	µg/kg	ND < 120	ND < 120	ND < 120	ND < 120	ND < 120	110	240	130	310
Phenanthrene	µg/kg	230	ND < 120	ND < 120	ND < 120	ND < 120	ND < 38	1,300	ND < 40	ND < 46
Pyrene	µg/kg	450	ND < 120	ND < 120	ND < 120	ND < 120	740	2,100	950	2,000

**NOTES:**

--- Not applicable

ND < X: Compound not detected above laboratory reporting limit

NA: Not analyzed

NE: Not established

VOC: Volatile organic compounds

EPH: Extractable Petroleum Hydrocarbons

SVOC: Semivolatile organic compounds

\* Samples collected from SD-05 through SD-07 analyzed for SVOC by EPA Method 8270; other samples analyzed for EPH by MADEP Method

Bold and color-shaded values indicate exceedance of Sediment Screening Criteria listed in [Table 7](#).

Created by: [SAH](#)

Reviewed by: [DJPF](#)

Table 13  
Summary of Surface Water Analytical Data and Objectives

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase I Initial Site Investigation Report  
Prepared for the Town of Franklin, Massachusetts

May 2008

		MA Method 1 GW Std Application for GW-3 area	US EPA Chronic Criteria Continuous Concentrations	SW-01 841070426-01 04/26/2007 Primary	SW-02 841070426-02 04/26/2007 Primary	SW-03 841070426-03 04/26/2007 Primary	SW-03 841070426-04 04/26/2007 Duplicate	SW-04 841070426-05 04/26/2007 Primary
Metals (Method 6010)								
Barium	mg/l	50	NE	0.086	0.085	0.084	0.083	0.083
Copper	mg/l	NE	0.0090	0.0040	0.0023	ND < 0.0020	0.0041	0.0023
Lead	mg/l	0.01	0.0025	ND < 0.0020	ND < 0.0020	0.0033	ND < 0.0020	ND < 0.0020
Zinc	mg/l	0.9	0.12	0.018	0.017	0.017	0.016	0.015
VOC (Method 8260)		Varies	Varies	ND < varies	ND < varies	ND < varies	ND < varies	ND < varies
VPH (MADEP Method)								
Methyl tert-butyl ether (MTBE)	µg/l	50,000	NE	ND < 1.0	1.1	ND < 1.0	1.1	ND < 1.0
EPH (MADEP Method)	µg/l	Varies	Varies	ND < varies	ND < varies	ND < varies	ND < varies	ND < varies

ND < X: Compound not detected above laboratory reporting limit

US EPA: United States Environmental Protection Agency

VPH: Volatile petroleum hydrocarbons

EPH: Extractable petroleum hydrocarbons

VOC: Volatile organic compounds

NE: Not established

Created by: SAH

Reviewed by: DJPF

Table 15  
Summary of Confirmation Soil Sample Analytical Data

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase I Initial Site Investigation Report  
Prepared for the Town of Franklin, Massachusetts

May 2008

	Sample Location Sample Number Sample Depth (fbg)	East Sidewall 841070502-01 3.0	West Sidewall 841070502-02 4.0	North Sidewall 841070502-03 3.0	East Bottom 841070502-04 8.0	West Bottom 841070502-05 9.0	South Sidewall 841070502-06 4.0
<b>Metals (Method 6010)</b>							
Arsenic	mg/kg	1.0	0.69	0.69	0.77	0.65	1.3
Barium	mg/kg	30	13	12	16	10	30
Beryllium	mg/kg	0.057	0.057	ND < 0.052	0.064	0.067	ND < 0.052
Cadmium	mg/kg	0.36	0.29	ND < 0.10	0.39	0.13	0.26
Chromium	mg/kg	3.6	1.7	0.72	3.2	1.0	1.2
Copper	mg/kg	32	13	4.3	60	11	18
Lead	mg/kg	46	3.6	1.2	45	3.7	30
Nickel	mg/kg	190	3.3	5.3	280	8.0	30
Zinc	mg/kg	94	13	7.0	120	13	26
<b>EPH (MADEP Method)</b>							
C9-C18 Aliphatics	µg/kg	19,000	ND < 10,000	ND < 10,000	66,000	ND < 10,000	ND < 10,000
C19-C36 Aliphatics	µg/kg	61,000	ND < 10,000	ND < 10,000	140,000	ND < 10,000	ND < 10,000
C11-C22 Aromatics	µg/kg	54,000	ND < 10,000	ND < 10,000	59,000	ND < 10,000	ND < 10,000
Acenaphthylene	µg/kg	380	ND < 100	ND < 100	160	ND < 100	ND < 100
Anthracene	µg/kg	320	ND < 100	ND < 100	170	ND < 100	ND < 100
Benzo[a]anthracene	µg/kg	640	ND < 100	ND < 100	410	ND < 100	ND < 100
Benzo[a]pyrene	µg/kg	1,100	ND < 100	ND < 100	360	ND < 100	ND < 100
Benzo[b]fluoranthene	µg/kg	520	ND < 100	ND < 100	180	ND < 100	ND < 100
Benzo[k]fluoranthene	µg/kg	ND < 100	ND < 100	ND < 100	270	ND < 100	ND < 100
Fluoranthene	µg/kg	2,000	ND < 100	ND < 100	1,100	ND < 100	ND < 100
Fluorene	µg/kg	ND < 100	ND < 100	ND < 100	120	ND < 100	ND < 100
Indeno[1,2,3-cd]pyrene	µg/kg	260	ND < 100	ND < 100	ND < 97	ND < 100	ND < 100
Phenanthrene	µg/kg	860	ND < 100	ND < 100	610	ND < 100	ND < 100
Pyrene	µg/kg	1,300	ND < 100	ND < 100	570	ND < 100	ND < 100
<b>VOCs (Method 8260)</b>							
Acetone	µg/kg	8.8	6.0	7.2	ND < 5.0	9.3	7.9
Tetrachloroethene	µg/kg	46	6.5	ND < 6.0	12	ND < 5.2	ND < 4.8
1,1,1-trichloroethane	µg/kg	ND < 5.6	ND < 4.8	ND < 6.0	12	ND < 5.2	ND < 4.8
Trichloroethene	µg/kg	6.9	ND < 4.8	ND < 6.0	11	ND < 5.2	ND < 4.8

**NOTES:**

ND < X: Compound not detected above laboratory reporting limit

EPH: Extractable petroleum hydrocarbons

VOCs: Volatile organic compounds

fbg : feet below grade

mg/kg : milligrams per kilogram

µg/kg : micrograms per kilogram

Created by  
Reviewed by

**SAH**  
**DJPE**



Table 16  
Groundwater Elevation Measurements for On-Site Monitoring Wells  
Gauged February and November 2007

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase I Initial Site Investigation Report  
Prepared for Town of Franklin, Massachusetts

May 2008

Date	Location	Time	Depth to Water (feet from PVC)	Absolute Elevation of PVC <sup>a</sup> (feet)	Groundwater Elevation (feet)
12/4/2006	MW-1	0943	4.16	100.35	96.19
	MW-2	1300	7.96	98.54	90.58
	MW-3	1412	8.18	99.73	91.55
	MW-4	1130	7.56	98.23	90.67
	MW-5	1515	8.49	104.47	95.98
11/7/2007	MW-1 <sup>b</sup>	0930	4.60	100.35	95.75
	MW-2	0911	8.16	98.54	90.38
	MW-3	0920	8.07	99.73	91.66
	MW-4	Unable to locate MW-4			
	MW-5	1100	9.20	104.47	95.27
	MW-13	0915	6.99	99.31	92.32
	MW-14	0926	10.41	104.40	93.99
	MW-16	0924	7.15	100.81	93.66
	MW-17 <sup>b</sup>	0920	4.61	100.37	95.76

<sup>a</sup>elevation data from surveys conducted December 4, 2006 and November 7, 2007

<sup>b</sup>Monitoring wells MW-1 and MW-17 were gauged on November 6, 2007  
survey data utilize the same arbitrary 100.00-foot benchmark

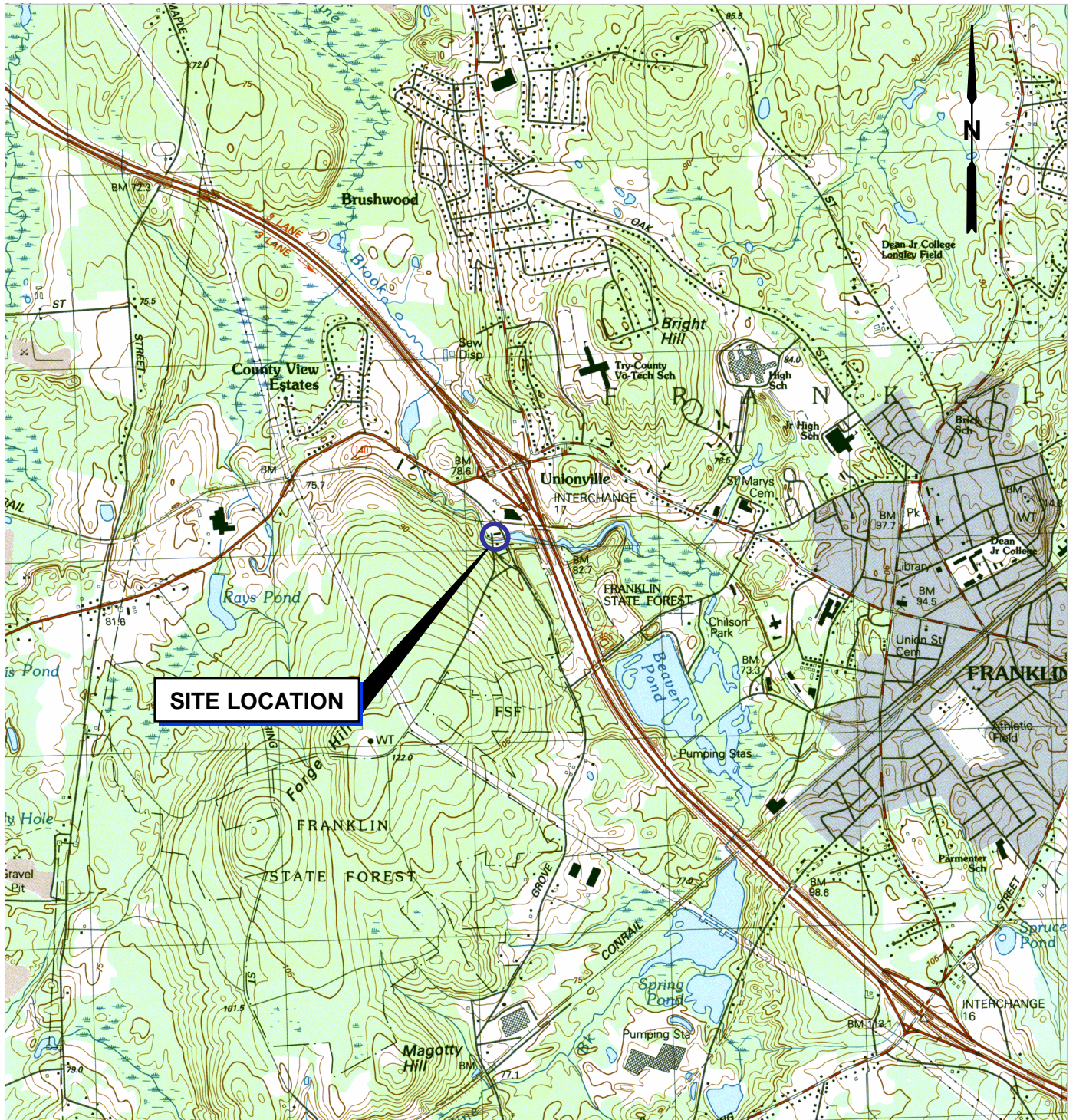
Created by SAH

Reviewed by DJPF

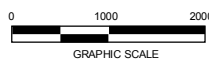
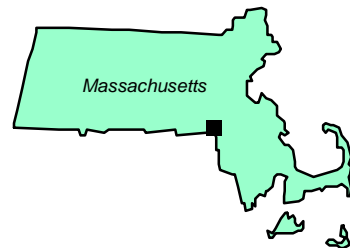
## FIGURES

### FORMER NU-STYLE COMPANY, INC. PHASE II SITE ASSESSMENT





**MAP REFERENCE:**  
THIS MAP WAS PREPARED FROM THE FOLLOWING  
7.5 MINUTE SERIES TOPOGRAPHIC MAP:  
FRANKLIN, MASSACHUSETTS-RHODE ISLAND, 1987



SCALE: 1"=2000'



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401-861-3070

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NORFOLK COUNTY, MASSACHUSETTS

### SITE LOCATION MAP

FORMER NU-STYLE COMPANY, INC.

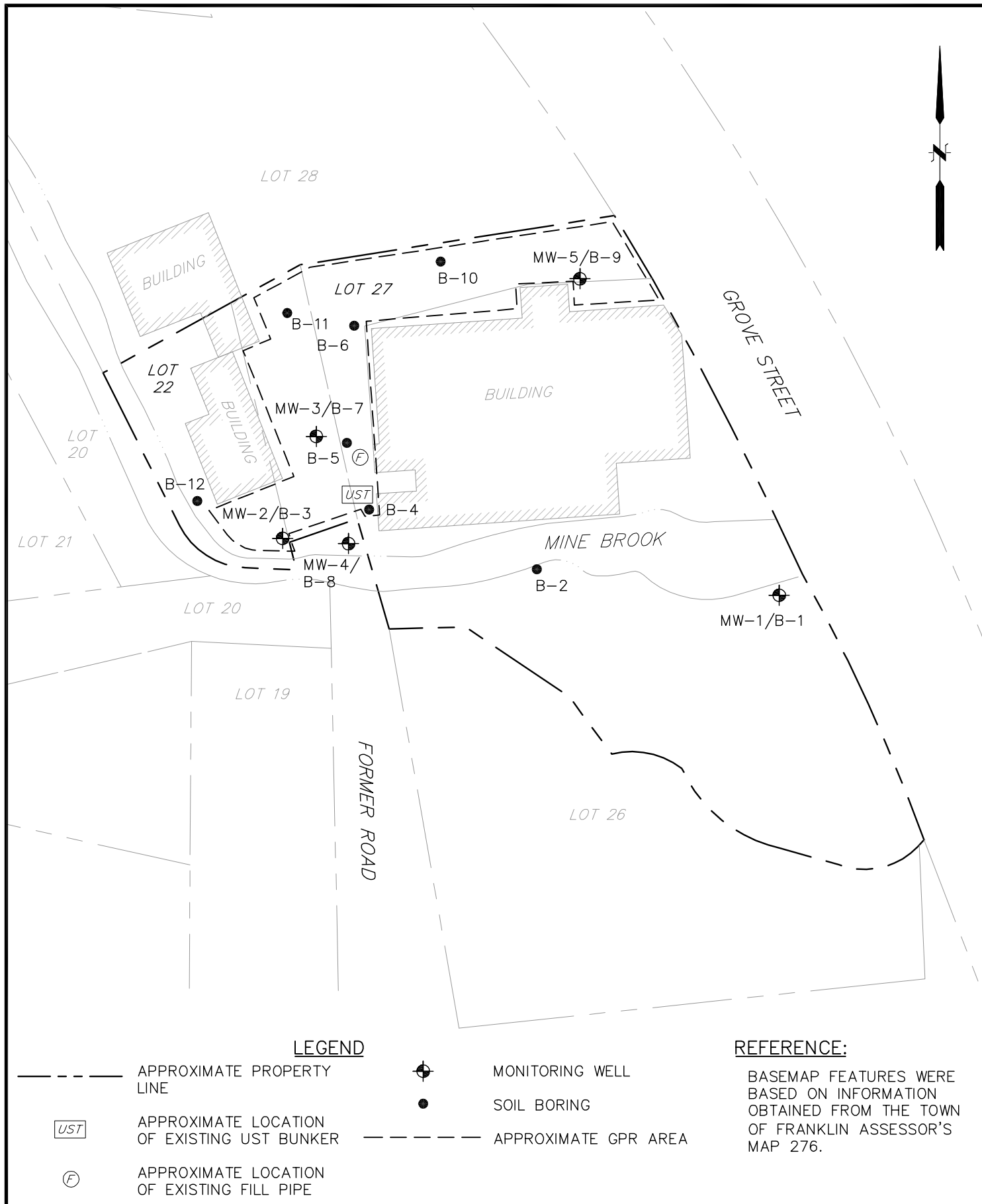
87 GROVE STREET

FRANKLIN, MASS.

PROJ. No: 20050458.B10  
DATE: JANUARY 2007

## FIGURE 1





SCALE:	
HORZ.:	1"=60'±
VERT.:	
DATUM:	
HORZ.:	
VERT.:	
GRAPHIC SCALE	



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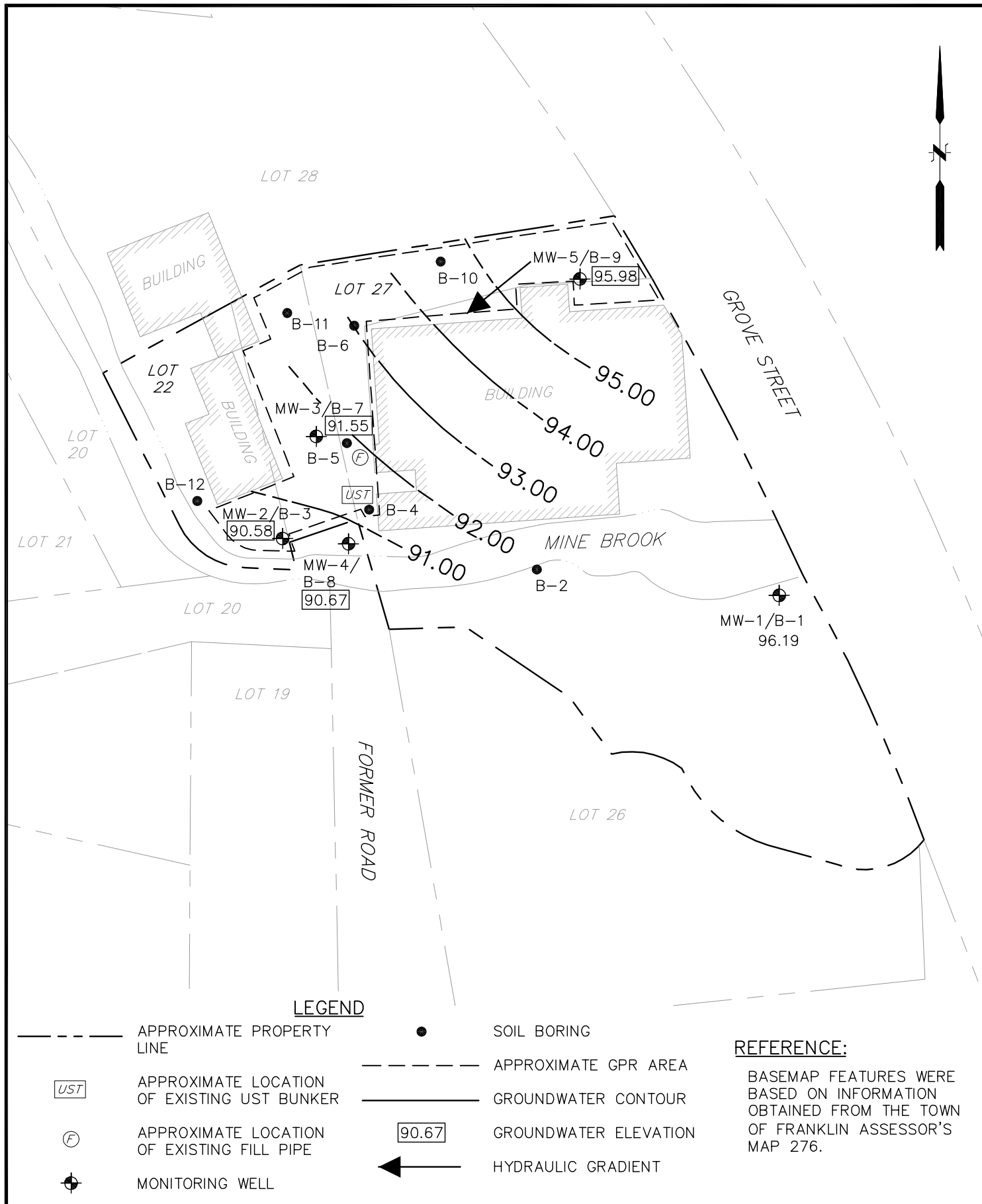
FORMER NU-STYLE COMPANY, INC. FACILITY  
SITE PLAN  
87 GROVE STREET

FRANKLIN

MASSACHUSETTS

PROJ. No.: 20050458.B10  
DATE: JANUARY 2007

**FIGURE**  
**2**



SCALE:	
HORZ.: 1"=60'±	
VERT.:	
DATUM:	
HORZ.:	
VERT.:	
0 30 60	
GRAPHIC SCALE	



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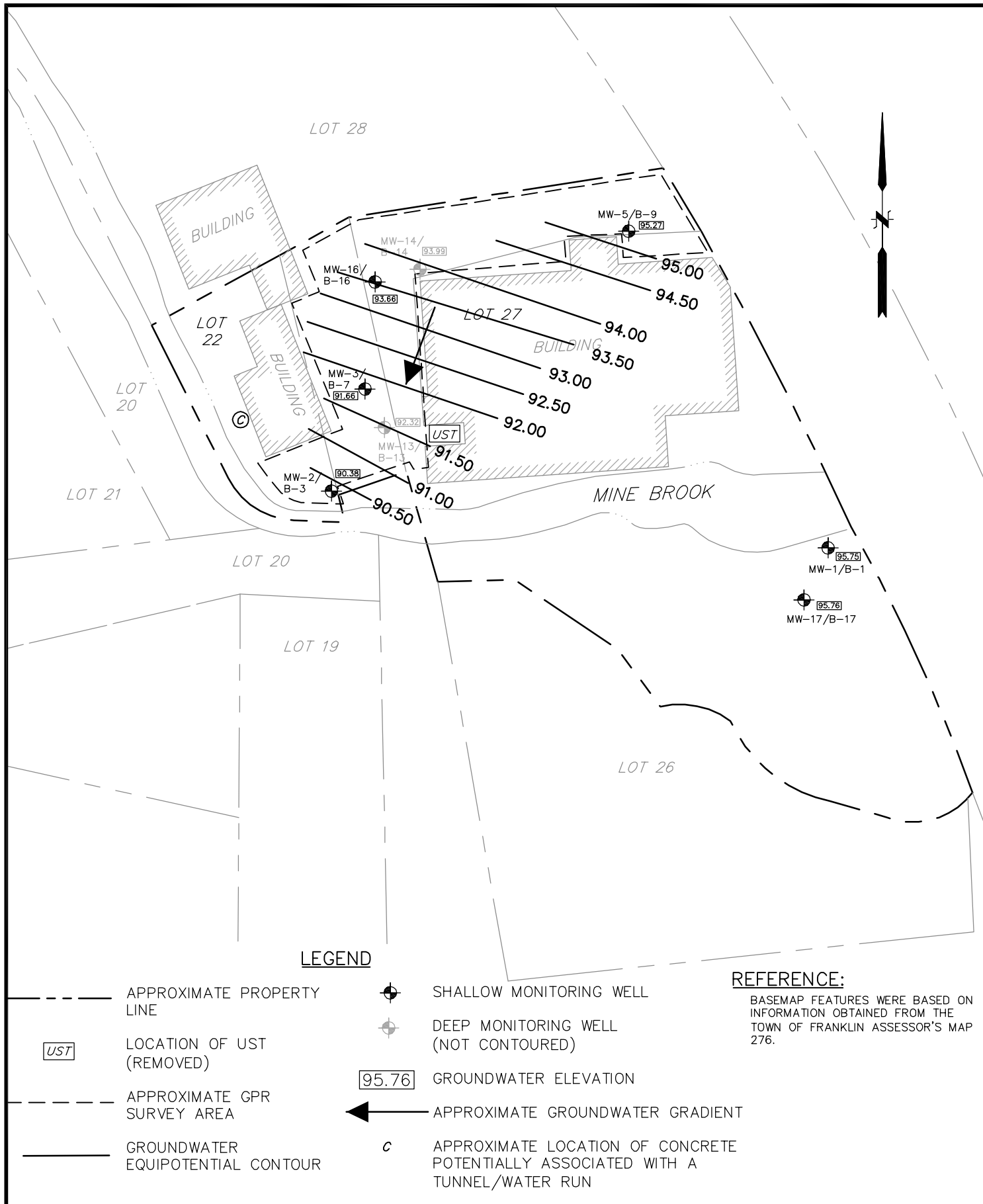
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FORMER NU-STYLE COMPANY, INC. FACILITY  
GROUNDWATER EQUIPOTENTIAL  
CONTOUR MAP  
87 GROVE STREET  
FRANKLIN MASSACHUSETTS

PROJ. No.: 20050458.B10  
DATE: JANUARY 2007

**FIGURE**  
**3**



SCALE:	
HORIZ.: 1" = 60'	
VERT.:	
DATUM:	
HORIZ.:	
VERT.:	
0 30 60	
GRAPHIC SCALE	



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FORMER NU-STYLE PROPERTY  
GROUNDWATER EQUIPOTENTIAL  
CONTOUR MAP - MEASURED ON 11/7/2007  
87 GROVE STREET

FRANKLIN

MASSACHUSETTS

PROJ. No.: 20050458.F10  
DATE: MAY 2008

**FIGURE 4**



## APPENDIX A

### Limitations of Work Product



## LIMITATIONS OF WORK PRODUCT

This document was prepared for the sole use of the Town of Franklin the only intended beneficiaries of our work. Those who may use or rely upon the report and the services (hereafter "work product") performed by Fuss & O'Neill, Inc. and/or its subsidiaries or independent professional associates, subconsultants and subcontractors (collectively the "Consultant") expressly accept the work product upon the following specific conditions.

1. Consultant represents that it prepared the work product in accordance with the professional and industry standards prevailing at the time such services were rendered.
2. The work product may contain information that is time sensitive. The work product was prepared by Consultant subject to the particular scope limitations, budgetary and time constraints and business objectives of the Client which are detailed therein or in the contract between Consultant and Client. Changes in use, tenants, work practices, storage, Federal, state or local laws, rules or regulations may affect the work product.
3. The observations described and upon which the work product was based were made under the conditions stated therein. Any conclusions presented in the work product were based solely upon the services described therein, and not on scientific or engineering tasks or procedures beyond the scope of described services.
4. In preparing its work product, Consultant may have relied on certain information provided by state and local officials and information and representations made by other parties referenced therein, and on information contained in the files of state and/or local agencies made available at the time of the project. To the extent that such files which may affect the conclusions of the work product are missing, incomplete, inaccurate or not provided, Consultant is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, Consultant did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this project. Consultant assumes no responsibility or liability to discover or determine any defects in such information which could result in failure to identify contamination or other defect in, at or near the site. Unless specifically stated in the work product, Consultant assumes no responsibility or liability for the accuracy of drawings and reports obtained, received or reviewed.
5. If the purpose of this project was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous substances, waste or petroleum and chemical products and wastes as defined in the work product, unless otherwise noted, no specific attempt was made to check the compliance of present or past owners or operators of the subject site with Federal, state, or local laws and regulations, environmental or otherwise.
6. If water level readings have been made, these observations were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in water levels may occur due to variations in rainfall, passage of time and other factors



and such fluctuations may effect the conclusions and recommendations presented herein.

7. Except as noted in the work product, no quantitative laboratory testing was performed as part of the project. Where such analyses have been conducted by an outside laboratory, Consultant has relied upon the data provided, and unless otherwise described in the work product has not conducted an independent evaluation of the reliability of these tests.
8. If the conclusions and recommendations contained in the work product are based, in part, upon various types of chemical data, then the conclusions and recommendations are contingent upon the validity of such data. These data (if obtained) have been reviewed and interpretations made by Consultant. If indicated in the work product, some of these data may be preliminary or screening-level data and should be confirmed with quantitative analyses if more specific information is necessary. 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.
9. Chemical analyses may have been performed for specific parameters during the course of this project, as described in the work product. However, it should be noted that additional chemical constituents not included in the analyses conducted for the project may be present in soil, groundwater, surface water, sediments or building materials at the subject site.
10. Ownership and property interests of all documents, including reports, electronic media, drawings and specifications, prepared or furnished by Consultant pursuant to this project are subject to the terms and conditions specified in the contract between the Consultant and Client, whether or not the project is completed.
11. Unless otherwise specifically noted in the work product or a requirement of the contract between the Consultant and Client, any reuse, modification or disbursement of documents to third parties will be at the sole risk of the third party and without liability or legal exposure to Consultant.
12. In the event that any questions arise with respect to the scope or meaning of Consultant's work product, immediately contact Consultant for clarification, explanation or to update the work product. In addition, Consultant has the right to verify, at the party's expense, the accuracy of the information contained in the work product, as deemed necessary by Consultant, based upon the passage of time or other material change in conditions since conducting the work.
13. Any use of or reliance on the work product shall constitute acceptance of the terms hereof.



## APPENDIX B

### MA DEP Bureau of Waste Site Cleanup Site Scoring Map



# MA DEP - Bureau of Waste Site Cleanup

## Site Scoring Map: 500 feet & 0.5 Mile Radii

### SITE NAME:

Former NuStyle Property  
87 Grove Street  
Franklin, MA 02038

UTM Coordinates: 4662290 299210

Site Location

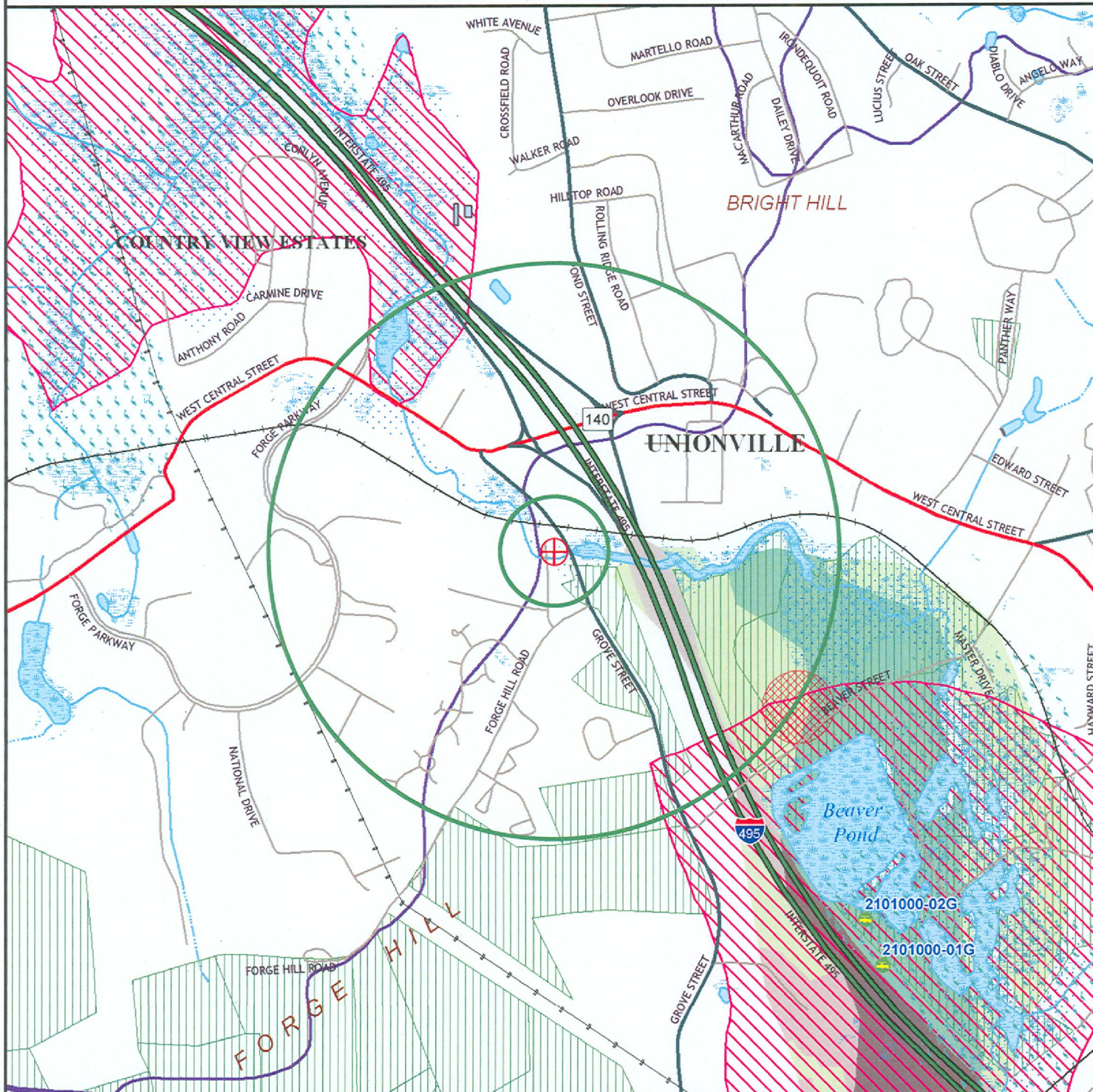
RTN: 2-0016694



The information shown on this map is the best available at the date of printing. Please refer to the data source descriptions document.



Office of  
Geographic and  
Environmental  
Information



Roads: Limited Access, Divided, Major Road, Connector, Street, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, Sub; Streams: Perennial, Intermittent, Man Made Shore, Dams

Potentially Productive Aquifers: Medium, High Yield

Non-Potential Drinking Water Source Area: Medium, High Yield

EPA Sole Source Aquifer; FEMA 100-year floodplain

Public Water Supplies: Ground, Surface, Non Community

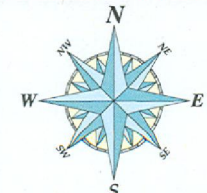
Approved Zone 2; IWPA; Surface Water Supply Zone A

Hydrography: Open Water, Reservoir, Tidal Flat

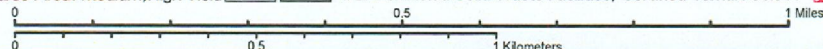
Wetlands: Fresh, Salt, NHESP Wetlands Habitat

Cranberry Bog; Protected Open Space; ACEC

DEP Permitted Solid Waste Facilities; Certified Vernal Pools



SCALE 1:15,000



November 30, 2007



# NRS (21e) SCORING MAP DATA SOURCES

**AQUIFERS:** USGS-WRD/MassGIS, 1:48,000. Automated by MassGIS from the USGS Water Resources Div. Hydrologic Atlas series manuscripts. The definitions of high and medium yield vary among basins. Source dates 1977-1988.

**SOLE SOURCE AQUIFERS:** US EPA/MA DEP/MassGIS, various scales. EPA defines them as aquifers that are the 'sole or principal source' of drinking water for a given aquifer service area. Last updated May 1996.

**NON-POTENTIAL DRINKING WATER SOURCE AREAS:** DEP-BWSC (Bureau of Waste Site Cleanup). Those portions of high and medium yield aquifers, which may not be considered as areas of groundwater conducive to the locations of public water supplies. Please refer to the MCP guidelines for the definitions of these areas. Last updated November 2003.

**DEP APPROVED ZONE II's:** MA DEP, 1:25,000. As stated in 310 CMR 22.02 'that area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated.' Digitized from data provided to DEP in approved hydrologic engineering reports. Data are updated continually.

**INTERIM WELLHEAD PROTECTION AREAS:** DEP-DWS (Division of Water Supply), 1:25,000. These polygons represent an interim Zone II for a groundwater source until an actual one is approved by the DEP Division of Water Supply. The radius of an IWPA varies according to the approved pumping rate. Updated in parallel with the Public Water Supplies data.

**PUBLIC WATER SUPPLIES:** DEP-DWS, 1:25,000. Community and non-community surface and withdrawal points were field collected using Global Positioning System receivers. The attributes were added from the DEP Division of Water Supply database. Continually updated.

**HYDROGRAPHY:** USGS/MassGIS, 1:25,000 USGS Digital Line Graph (DLG) data modified by MassGIS. Approximately 40% of the data was provided by USGS and MassGIS created the remainder to USGS specifications. Source dates 1977-1997. Last updated February 2005.

**DRAINAGE BASINS:** USGS-WRD/MassGIS, 1:24,000. Automated by MassGIS from USGS Water Resources Division manuscripts with approximately 2400 sub-basins as interpreted from 1:24,000 USGS quadrangle contour lines. 1987-1993. Last update March 2003.

**WETLANDS:** UMass Amherst RMP/MassGIS, 1:25,000. Includes nonforested wetlands extracted from the 1999 Land Use datalayer, which was photointerpreted from summer CIR photography. Interpretation was not done in stereo. Also includes, in most areas, forested wetlands from USGS Digital Line Graph (DLG) data.

**PROTECTED OPEN SPACE:** EOE (Executive Office of Environmental Affairs) MassGIS, 1:25,000. Includes federal, state, county, municipal, non-profit and protected private conservation and outdoor recreation lands. Ongoing updates.

**ACECs:** DEM, 1:25,000. Areas of Critical Environmental Concern are areas designated by the Secretary of EOE as having a number of valuable environmental features coexisting. Projects in ACECs are subject to the highest standards of review and performance. Last updated December 2003.

**ROADS:** USGS/MassGIS/MHD, 1:100,000. MassGIS extracted roads from the USGS Transportation DLG files. MA Highway Dept. updated roads through July 2004. MassGIS and MA DEP GIS group further edited this layer. Numbered routes are part of the state, U.S. or Interstate highway systems.

**POLITICAL BOUNDARIES:** MassGIS/USGS, 1:25,000. This datalayer was digitized by MassGIS from mylar USGS quads. Source date is approximately 1985.

**DEP PERMITTED SOLID WASTE FACILITIES:** DEP-DSW (Division of Solid Waste), 1:25,000. Includes only facilities regulated since 1971. Data includes sanitary landfills, transfer stations and recycling or composting facilities. Facility boundaries were compiled or approximate facility point locations drafted onto USGS quadrangles and automated by the DEP Division of Solid Waste. Last updated November 2003.

**NHESP ESTIMATED HABITATS OF RARE WETLANDS WILDLIFE:** Polygons show estimated habitats for all processed occurrences of rare wetlands wildlife. Data collected by Natural Heritage & Endangered Species Program and compiled at 1:24,000 or 1:25,000 scale. For use with Wetlands Protection Act Only. Effective 2005-2007.

**NHESP CERTIFIED VERNAL POOLS:** Points show all vernal pools certified by NHESP/MAFW (Fisheries and Wildlife) as of June 30, 1999. Data compiled at 1:24,000 or 1:25,000 scale. Effective 2005-2007.



## APPENDIX C

Phase II ESA, Former Nu-Style Company, Inc.  
Prepared by Fuss & O'Neill  
September 2007

Phase II Environmental Site Assessment Report  
Former Nu-Style Company, Inc.  
87 Grove Street (Lots 22 & 27)  
Franklin, MA

January 2007



275 Promenade Street, Suite 350  
Providence, RI 02908

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT  
FORMER NU-STYLE COMPANY, INC.  
87 GROVE STREET, FRANKLIN, MA

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PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT  
FORMER NU-STYLE COMPANY, INC.  
87 GROVE STREET, FRANKLIN, MA

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B	Premier Laboratory Certificates of Analysis, Fuss & O'Neill Data Verification Narratives and Certifications, and Data Validation Completeness Worksheets



## 1.0 INTRODUCTION

### 1.1 Project Overview and Objectives

The County of Norfolk, Massachusetts (Norfolk County) retained Fuss & O'Neill, Inc. (Fuss & O'Neill) to conduct a Phase II Site Assessment (Phase II) at the former Nu-Style Company, Inc. (the site) located at 87 Grove Street in the Town of Franklin, Massachusetts (the Town). This Phase II was conducted as part of the County Hazardous Materials Brownfield Program, funded under a brownfield assessment grant from the United States Environmental Protection Agency (USEPA).

The objective of the Phase II documented herein was to compile environmental information regarding the site through research, inspections, and field investigations. The Phase II scope of work was developed to determine, to the extent possible with the available resources, the absence or presence and, where applicable, the nature and extent of contaminants in environmental media, to facilitate redevelopment planning at the site, and ultimately to return the property to productive use. The Phase II was conducted in accordance with the Quality Assurance Project Plan (QAPP) Revision 1.0 dated October 2006. This Phase II report has been prepared in accordance with the QAPP Revision 1.0.

The Phase II Report presents the findings of the investigations performed, the conclusions drawn based on those findings, and recommendations with respect to further evaluations or other response actions that may be conducted at the site.

### 1.2 Assessment Planning and Approvals

Prior to the initiation of Phase II field activities, Fuss & O'Neill prepared a Quality Assurance Project Plan (QAPP) for review and approval by the United States Environmental Protection Agency (USEPA). The QAPP (Revision 0.0) was submitted to USEPA in September 2006. In October 2006, Fuss & O'Neill submitted responses to USEPA comments and questions regarding the QAPP in the form of a document titled QAPP Revision 1.0. The final QAPP (Revision 1.0) was formally approved by USEPA on November 6, 2006. The QAPP, developed in accordance with the USEPA Brownfields Quality Assurance Project Plan Guidance Document, detailed the field and analytical scope and quality control procedures to be implemented during the Phase II.

## 2.0 BACKGROUND

### 2.1 Site Description

The site was located at 87 Grove Street in Franklin, Massachusetts. The site has been identified as the Town of Franklin Tax Assessor's Map 276, Lot 22 and Lot 27. Lot 22 covers an area of approximately 9,929 square feet. Lot 27 adjoins Lot 22 to the east and is approximately 42,359 square feet in size. The site was acquired via tax title by the Town of Franklin as a result of foreclosure. Details of the site history are presented in the QAPP and Phase I Environmental Site Assessment (Phase I ESA) report, prepared by Fuss & O'Neill in 2006.



A vacant, partially dilapidated two-story building with a footprint of approximately 11,800 square feet is situated on Lot 27, and a vacant one and one-half-story building with a footprint of approximately 4,000 square feet sits on Lot 22. Mine Brook flows westward along the southern side of the Lot 27 building and turns northward to form the western boundary of Lot 22. Mine Brook flows generally northward to the Charles River.

Utilities located on the subject property include a water line located along the right-of-way known as Old Grove Street, and stormwater drainage lines located throughout the property.

Unrestricted access to the subject property was provided via Grove Street and Old Grove Street.

A portion of a United States Geological Survey (USGS) topographic map depicting the location of the site is provided as [Figure 1](#). A site plan, depicting the boundary of the disposal site, is provided as [Figure 2](#).

## 2.2 Applicable Regulatory Criteria

Under the provisions of 310 CMR 40.0315, a reportable release exists when analyses of soil or groundwater indicate concentrations of oil or hazardous material that exceed applicable Reportable Concentrations. MADEP must be notified of a reportable release within 120 days of the first knowledge that the release meets one or more reportable criteria. Reportable Concentrations applicable to the subject site were determined based on the current and potential future use of the subject site, nearby property use, and groundwater categories applicable to the subject site in accordance with 310 CMR 40.0932.

Reporting category RCS-1 applies to all soil samples obtained from at or within 500 feet of a residential dwelling or residentially-zoned property, school, playground, recreational area or park, or from within the boundaries of a groundwater resource area. Reporting category RCS-2 applies to all soil samples not obtained from category RCS-1 areas.

Residential dwellings were located less than 500 feet east and south of the subject site. Therefore, in accordance with 310 CMR 40.0361, the RCS-1 reporting category was applied to all soil samples obtained on the subject site.

Reporting category RCGW-1 applies to all groundwater samples obtained from within an area defined as a Current Drinking Water Source Area or Potential Drinking Water Source Area. All groundwater samples not obtained from one of these GW-1 areas falls under the RCGW-2 reporting category.

The subject site was not located in a GW-1 area, and therefore, in accordance with 310 CMR 40.0362, the RCGW-2 reporting category was applied to all groundwater samples obtained on the subject site.



## 2.3 Topography and Geology

The topography of the site was generally flat, except at the banks of the Mine Brook, where the topography dropped steeply to the river bed (USGS, 1987). The regional topography was hilly and generally drained to Mine Brook.

Surficial material at the site was mapped as loamy udorthents, which generally consist of moderately coarse-grained, deep and moderately deep, fairly well-drained soils (USDA, 2006). Fill described as sand, gravel, silt, and, in some cases, wood and brick was observed to depths of up to 12 feet during drilling conducted on the site as part of the Phase II documented herein.

Bedrock beneath the site was mapped as the grayish-pink to greenish-gray, equigranular to slightly porphyritic Dedham Granite (Hermes et al., 1994). Bedrock was not encountered during drilling and was not visible on or in the immediate vicinity of the site.

## 2.4 Previous Environmental Investigations

### 2.4.1 IES Site Investigation Activities

Portions of two reports prepared by IES, Inc. (IES) summarizing environmental investigations previously conducted on the subject property and on the parcel adjacent to the south, were reviewed. The results of the investigations documented in these reports are discussed below.

#### January 1990

In January 1990, IES completed a report of a Chapter 21E Site Evaluation of 87 Grove Street for Home National bank of Milford, Massachusetts. Portions of the report were available for review at the Franklin Health Department.

The IES investigation included the drilling of soil borings and the collection and analyses of soil and groundwater samples on the subject property and on the parcel adjacent to the south of Lot 27 (Lot 26). Note that the map and parcel numbers have changed since the IES investigation, as summarized in the table below.

Previous		Current		Comments
Map	Lot	Map	Lot	
72	5	276	22	Site
72	6	276	27	Site
72	7	276	26	Adjacent south

IES collected soil and/or groundwater samples from five borings (B-1 through B-5) drilled on the three parcels. A figure provided by IES shows the approximate boring locations; however because the figure is schematic and is not to scale, the precise boring locations could not be determined.





Two of the borings (B-1 and B-2) were drilled adjacent to underground storage tanks located on Lot 26. Borings B-3 and B-5 were situated on the north side of the Lot 27 building, and boring B-4 was advanced in the exterior "barrel area" north of the Lot 22 garage. Field screening indicated the presence of trace concentrations of volatile organic compounds (VOCs) in the soil at borings B-4 and B-5; therefore, soil from the two borings from a depth of approximately five feet below grade was composited into one sample, which was analyzed for VOCs. No VOCs were detected. Groundwater was not encountered at these two boring locations.

Groundwater samples collected from B-1 and B-2 were also analyzed for VOCs, which were not detected. No information regarding sample analysis for soil or groundwater collected from B-3 was reported; therefore, we infer that no samples were analyzed because field screening did not indicate the presence of VOCs.

IES concluded that no releases of hazardous materials or petroleum products had occurred at the subject property; however, it is Fuss & O'Neill's opinion that the IES investigation was not adequate to definitively rule out releases on the subject property.

#### July 1991

In July 1991, IES collected soil samples from four additional borings (B-1A through B-4A) to assess whether releases associated with underground storage tanks had occurred. As with the 1990 investigation, only portions of the July 1991 report were available for review at the Franklin Health Department. A copy of the report was also available at the Franklin Fire Department, but copies could not be made. A figure depicting the boring locations was not included with the report.

Soils generally consisted of fill containing loam, sand, gravel, and, in some cases, brick and cinders. Fill materials were observed to depths of up to 8.5 feet below grade. Deeper soils consisted of very dense, fine-grained sand, silt, and gravel. Groundwater was encountered at depths of approximately 8.5 to 9 feet. Monitoring wells were installed within the borings to allow for the collection of groundwater samples.

IES identified releases of chlorinated solvents to soil and groundwater at boring location B-4A, which was situated downgradient of USTs at the site and north of Mine Brook. Based on the apparent vertical distribution of VOCs in soil, IES inferred that the presence of VOCs was the result of a surface release.

#### 2.4.2 Phase I ESA Report, May 2006

A Phase I ESA report, prepared by Fuss & O'Neill in May 2006, identified the following recognized environmental conditions (RECs) at the site:

- The site has a long history (at least 90 years) of manufacturing, including textiles and jewelry. Materials used and stored at the site associated with jewelry manufacturing include cyanides, metals, chlorinated solvents, and petroleum products. Additional substances associated with textile manufacturing were also likely used. There is the potential for surface releases to have occurred associated with the use and storage of



these materials. Files indicate that numerous drums of hazardous waste and petroleum products were situated outside of the site buildings.

- At least one underground storage tank appears to be present on the western side of the Lot 27 building. In addition, a heating oil tank reportedly exists in an underground bunker on the same side of the building. As with any underground tank, there is the potential for releases to have occurred associated with leaks or spills.
- A small tunnel containing slow-flowing water is present beneath the Lot 22 building. A review of mapping on file at the Town Building Department suggests that the tunnel runs, or ran in the past, from Mine Brook and beneath the Lot 27 building to the Lot 22 building. There is the potential that the tunnel was used by the former woolen mill for direct waste disposal to Mine Brook prior to the realignment of the brook in the 1960s.
- Releases of chlorinated solvents to soil and groundwater were identified on Lot 26, which abuts the site to the south. Due to the proximity of this property to the site, there is the potential for releases that occur on this property to adversely affect groundwater quality at the site. Note that this property was owned and occupied by the same entities that owned and operated the facilities at the site; therefore, there is the potential that similar releases have occurred at the site.
- The southern portion of the site contained a pond that was filled circa 1960. The fill appears to have been placed by a municipality. The nature and origin of the fill are not known.

#### 2.4.3 Phase I ESA Report, January 2007

A Phase I ESA report, was prepared by Fuss & O'Neill in accordance with ASTM E1527-05 dated January 2007. The January Phase I ESA report identified the same RECs that were noted in May 2006, summarized above.

### 3.0 PHASE II ACTIVITIES

Based on the results of the Phase I ESA, a Phase II scope of work was developed to assess the potential presence of Oil or Hazardous Material (OHM) in soil and groundwater at the site, and to determine if a Reportable Condition pursuant to 310 CMR 40.0360 existed at the site. The Phase II scope of work was implemented in accordance with the approved QAPP.



### 3.1 Field Investigation Activities

#### 3.1.1 Ground Penetrating Radar Survey

In accordance with the QAPP, a ground penetrating radar (GPR) survey was conducted at the site on November 1, 2006. The GPR survey was conducted to evaluate the potential presence of suspected USTs on the subject property.

The following three anomalies indicative of potential USTs were reported in the areas surveyed at the site:

- One anomaly was identified beneath a raised concrete pad located off the southwest corner of the building on Lot 27.
- One anomaly was identified off the northern edge of the Lot 27 building, northeast of the loading dock.
- One anomaly was identified off the northern edge of the Lot 27 building. The anomaly was elongated parallel to the northern edge of the loading dock, and extended past the western end of the loading dock.

The GPR survey was not conducted in portions of the northern end of Lot 26 due to the presence of parked vehicles. In addition, areas immediately adjacent to the buildings that were overgrown with vegetation or filled with debris could not be surveyed.

#### 3.1.2 Soil Sampling

In accordance with the QAPP, a soil sampling program was conducted at the site on November 30, 2006 and December 1, 2006. Twelve soil borings (B-1 through B-12) were advanced throughout the site utilizing direct-push drilling methods. Borings were advanced to a depth of up to 12 feet below grade. Refer to Figure 2 for a map of soil boring locations.

Two soil samples were collected from boring B-1 through B-11; one sample was collected from the 0 to 2 foot depth interval and one sample was collected from vadose zone soil directly above the water table. Due to a lack of adequate soil recovery at depth, one soil sample was collected from the 0 to 2 foot depth interval of boring B-12.

Twenty-four soil samples, including one field duplicate, were submitted to Premier Laboratory, LLC in Dayville, Connecticut for analysis of volatile organic compounds (VOCs) by EPA Method 8260B, priority pollutant metals plus barium by EPA Methods 6010B and 7471, cyanide by EPA Method 9012, polychlorinated biphenyls (PCBs) by EPA Method 8082, and petroleum hydrocarbons by Massachusetts Department of Environmental Protection (MADEP) Methods Extractable Petroleum Hydrocarbons (EPH) and Volatile Petroleum Hydrocarbons (VPH). One aqueous trip blank was also submitted each day for analysis of VOCs by EPA Method 8260B. Dedicated sampling equipment was employed; therefore, no equipment blank was evaluated.

Soil boring logs, depicting sample recovery amounts, material descriptions, graphic logs, soil codes, and PID soil screening results are attached in Appendix A.



### 3.1.3 Monitoring Well Installation and Development

In accordance with the QAPP, groundwater monitoring wells were installed in five of the soil borings advanced at the site. The locations of the monitoring wells are depicted on [Figure 2](#). Detailed monitoring well completion reports are included in [Appendix A](#).

In accordance with the QAPP, Fuss & O'Neill surveyed the relative elevations of the newly installed monitoring wells at the site on December 4, 2006. The survey was conducted relative to an assumed arbitrary vertical datum to evaluate the relative elevation and hydraulic gradient of shallow groundwater beneath the site.

In accordance with the QAPP, Fuss & O'Neill developed the newly installed monitoring wells at the site on December 4 and 6, 2006. Development procedures included the repeated purging and surging of groundwater in the wells to remove fine particles and to improve hydraulic communication between the sand filter pack and surrounding soil formation. Low recovery volumes and slow recharge were observed at wells MW-3 and MW-5.

### 3.1.4 Low Flow Groundwater Sampling

On December 8, 2006, Fuss & O'Neill collected six groundwater samples, including one duplicate sample, from newly installed monitoring wells at the site. Groundwater samples were collected from monitoring wells MW-1, MW-2 and MW-4 utilizing low-flow sampling techniques, in accordance with the QAPP. These techniques included the following:

- A peristaltic pump with dedicated, disposable tubing was utilized to purge groundwater from each well.
- During purging, field parameters including groundwater pH, temperature, and specific conductivity were measured with a multi-meter.
- A groundwater sample was collected when field parameters stabilized to within limits specified in Fuss & O'Neill's Standard Operating Procedures (SOPs).

Low water volume and slow recharge at wells MW-3 and MW-5 prevented the utilization of low-flow field parameter monitoring techniques. Instead, groundwater samples were collected at low flow rates following limited purging of MW-3, and without significant purging at MW-5.

Groundwater samples were submitted to Premier Laboratory for analysis for priority pollutant 13 (PP-13) metals, barium, VOCs, and petroleum hydrocarbons (MADEP EPH and VPH Methods).

One of the groundwater samples collected during this assessment was a duplicate sample collected from monitoring well MW-1, and submitted to the laboratory for analysis of VOCs for quality control purposes. One trip blank was also collected and submitted to Premier Laboratory for analysis of VOCs.



## 4.0 INVESTIGATION RESULTS

### 4.1 Soil PID Field Screening Results

During soil boring advancement, soil samples were collected throughout the soil column at each boring location for field screening for the presence of total VOCs with a photoionization detector (PID). Field screening results indicated that total VOCs were not detected in any soil samples. Field screening results are included in soil boring logs attached as Appendix A.

### 4.2 Soil Analytical Laboratory Results

A summary of soil analytical data is included in Table 1. The complete Premier Laboratory analytical data packages and associated data verification narratives and certifications for each laboratory report are attached in Appendix B.

Laboratory analytical results of soil samples collected from on-site soil borings documented the presence of the following analytes in soil at concentrations above laboratory reporting limits:

Metals (Method 6010)	VOCs (Method 8260)	PAHs (MADEP EPH Method)
Antimony	Naphthalene	2-Methylnaphthalene
Arsenic	Toluene	Acenaphthene
Barium	M/P-xylenes	Acenaphthylene
Beryllium	Acetone	Anthracene
Cadmium	Tetrachloroethene (PCE)	Benzo(a)anthracene
Chromium	Trichloroethene (TCE)	Benzo(a)pyrene
Copper		Benzo(b)fluoranthene
Lead		Benzo(k)fluoranthene
Nickel		Chrysene
Selenium		Fluoranthene
Silver		Fluorene
Thallium		Indeno(1,2,3-cd)pyrene
Zinc		Phenanthrene
Mercury (Method 7471)		Pyrene

### 4.3 Groundwater Analytical Results

A summary of groundwater analytical data is included in Table 2. The complete Premier Laboratory analytical data packages and associated data verification narratives and certifications for each laboratory report are attached in Appendix B.

Laboratory analytical results of groundwater samples collected from on-site monitoring wells documented the presence of the following analytes in groundwater at concentrations above laboratory reporting limits:

Metals (Method 6010)	VOCs (Method 8260)
Barium	Methyl tert butyl ether (MTBE)



Beryllium	cis-1,2-Dichloroethene
Cadmium	Tetrachloroethene
Chromium	1,1,1-trichloroethane
Copper	Trichloroethene
Lead	
Nickel	
Zinc	

#### 4.4 Surficial and Subsurface Soil Characterization

In general, the soil within soil borings advanced at the site was observed to consist of mainly fine to medium sand, with varying proportions of gravel and silt. Apparent fill material containing wood, brick, coal and/or coal ash was observed in soil borings advanced throughout the site, and was concentrated in the upper five feet of soil.

Two soil horizons consisting predominately of silt were encountered in soil boring MW-05. The upper silty horizon had a minimum thickness of four feet, and occurred in the 5-10 foot depth interval. The lower silty horizon occurred in the 10-12 foot depth interval, had a minimum thickness of 0.8 feet, and may have extended beyond the maximum boring depth.

#### 5.0 EVALUATION OF ANALYTICAL RESULTS

##### 5.1 Data Verification

Procedures and methodologies for the collection and analyses of soil and groundwater samples were performed consistent with the QAPP and the MCP (310 CMR 40.0017). Analytical data were developed and reviewed in accordance with the MADEP's *Compendium of Quality Assurance and Quality Control Requirements and Performance Standards for Selected Analytical Methods* (the CAM).

Fuss & O'Neill conducted modified Tier I data verification of the field and analytical data resulting from the assessment documented herein. Modified Tier I verification narratives and certifications, signed by the Fuss & O'Neill Quality Assurance/Quality Control Officer, as well as modified Tier I completeness and verification checklists are attached to each Premier Laboratory report in Appendix B.

Presumptive Certainty was obtained for each data set collected as part of the Phase II investigation. Documentation was provided by Premier Laboratory along with narrative summaries (Appendix B).

With the exception of ethylene dibromide and 1,1,2,2-tetrachloroethene, reporting limits were generally low enough to allow for direct comparison to the applicable criteria (RCS-1 and RCGW-2). Limitations of the instrumentation and sample matrices prevent the laboratory from being able to attain a reporting limit of 5 mg/Kg for ethylene dibromide and 1,1,2,2-tetrachloroethene for all samples. Other volatile organic compounds (VOCs) and extractable petroleum hydrocarbon (EPH) target compounds are reported with elevated reporting limits due to dilutions required for quantification of detected compounds. The usability of the data is not anticipated to be affected by these issues.



## 5.2 Soil

Soil analytical data are summarized in [Table 1](#). In accordance with 310 CMR 40.0361, the RCS-1 reporting category was applied to all soil samples obtained on the subject site.

Tetrachloroethene and trichloroethene were detected at levels in excess of the RCS-1 criteria in soil samples collected from the 0-5 and 5-10 depth intervals of boring B-04, located near the UST area of the site, north of Mine Brook. These same compounds were detected in the 0-5 foot depth-interval samples collected from B-06 and B-10. These results suggest that the maximum vertical extent of tetrachloroethene and trichloroethene in soil at the site may be limited to the upper five feet of soil on the northern end of the site, but may extend to a depth of at least 10 feet below grade in the area downgradient of the UST area, proximal to the northern bank of Mine Brook.

Laboratory analysis of soil samples collected from the 0-5 and 5-10 foot depth intervals of borings B-04, MW-05, and B-10 documented the presence of beryllium, lead and/or nickel at levels in excess of the RCS-1 criteria. Laboratory analysis of a shallow soil sample collected from the 0-5 foot depth interval of boring B-12 documented the presence of nickel, lead, and/or beryllium at levels in excess of the RCS-1 criteria. As previously noted, due to poor soil recovery during boring operations, a deeper soil sample could not be collected from boring B-12.

Laboratory analysis of a soil sample collected from the 0-5 foot depth interval of boring MW-03 documented the presence of the polycyclic aromatic hydrocarbons (PAHs) benzo(a)pyrene and fluorene at levels in excess of the RCS-1 criteria. In addition, benzo(a)pyrene was detected at levels in excess of the RCS-1 criteria in a soil sample collected from the 0-5 foot depth interval of boring B-10.

## 5.3 Groundwater

A summary of groundwater analytical results is included as [Table 2](#). In accordance with 310 CMR 40.0362, the RCGW-2 reporting category was applied to all groundwater samples obtained on the subject site.

Laboratory analytical results of groundwater samples collected from on-site monitoring wells documented the presence of lead (wells MW-1, MW-3 and MW-5), tetrachloroethene (wells MW-3 and MW-4) and trichloroethene (wells MW-3 and MW-4) at levels in excess of the RCGW-2 criteria.

## 6.0 CONCLUSIONS

### 6.1 Soil

A comparison of the soil analytical results, documented herein, to the RCS-1 criteria indicated that pursuant to the MCP (310 CMR 40.0361) a reportable condition existed with regard to soil at the subject site.



Laboratory analytical results of soil samples collected from soil borings advanced on-site documented the presence of the following target analytes at concentrations in excess of one or more criteria:

- Metals: beryllium, lead and nickel
- Volatile Organic Compounds: PCE and TCE
- Polynuclear Aromatic Hydrocarbon Compounds: benzo(a)pyrene and fluorene

## 6.2 Groundwater

A comparison of the groundwater analytical results, documented herein, to the RCGW-2 criteria indicated that pursuant to the MCP, 310 CMR 40.0362, a reportable condition existed with regard to groundwater at the subject site.

Laboratory analytical results of groundwater samples collected from on-site monitoring wells documented the presence of the following target analytes at concentrations in excess of one or more criteria:

- Metals: lead
- Volatile Organic Compounds: PCE and TCE

## 7.0 RECOMMENDATIONS

Based upon the results of this assessment, the following response actions are recommended:

- Following the completion of the data validation process, on January 16, 2007 representatives of the Town of Franklin were informed of the presence of levels of metals, PAH compounds, trichloroethene and tetrachloroethene at reportable concentrations. As such, on or before May 16, 2007 appropriate documentation should be submitted to the MADEP reporting the 120-day reportable condition.
- Further assessment of soil and groundwater is recommended to support MCP-related response actions.
- Assessment of surface water and sediment in Mine Brook is recommended to characterize potential impacts from the release at the subject site.





## 8.0 REFERENCES

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## 9.0 LIMITATIONS OF WORK PRODUCT

Those who may use or rely upon the report and the services (hereafter "work product") performed by Fuss & O'Neill, Inc. and/or its subsidiaries or independent professional associates, subconsultants and subcontractors (collectively the "Consultant") expressly accept the work product upon the following specific conditions.

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2. The work product may contain information that is time sensitive. The work product was prepared by Consultant subject to the particular scope limitations, budgetary and time constraints and business objectives of the Client which are detailed therein or in the contract between Consultant and Client. Changes in use, tenants, work practices, storage, Federal, state or local laws, rules or regulations may affect the work product.
3. The observations described and upon which the work product was based were made under the conditions stated therein. Any conclusions presented in the work product were based solely upon the services described therein, and not on scientific or engineering tasks or procedures beyond the scope of described services.
4. In preparing its work product, Consultant may have relied on certain information provided by state and local officials and information and representations made by other parties referenced therein, and on information contained in the files of state and/or local agencies made available at the time of the project. To the extent that such files which may affect the conclusions of the work product are missing, incomplete, inaccurate or not provided, Consultant is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, Consultant did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this project. Consultant assumes no responsibility or liability to discover or determine any defects in such information which could result in failure to identify contamination or other defect in, at or near the site. Unless specifically stated in the work product, Consultant assumes no responsibility or liability for the accuracy of drawings and reports obtained, received or reviewed.
5. If the purpose of this project was to assess the physical characteristics of the site with respect to the presence in the environment of hazardous substances, waste or petroleum and chemical products and wastes as defined in the work product, unless otherwise noted, no specific attempt was made to check the compliance of present or past owners or operators of the site with Federal, state, or local laws and regulations, environmental or otherwise.
6. If water level readings have been made, these observations were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in water levels may occur due to variations in rainfall, passage of time and other factors



and such fluctuations may effect the conclusions and recommendations presented herein.

7. Except as noted in the work product, no quantitative laboratory testing was performed as part of the project. Where such analyses have been conducted by an outside laboratory, Consultant has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these tests.
8. If the conclusions and recommendations contained in the work product are based, in part, upon various types of chemical data, then the conclusions and recommendations are contingent upon the validity of such data. These data (if obtained) have been reviewed and interpretations made by Consultant. If indicated in the work product, some of these data may be preliminary or screening-level data and should be confirmed with quantitative analyses if more specific information is necessary. 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.
9. Chemical analyses may have been performed for specific parameters during the course of this project, as described in the work product. However, it should be noted that additional chemical constituents not included in the analyses conducted for the project may be present in soil, groundwater, surface water, sediments or building materials at the site.
10. Ownership and property interests of all documents, including reports, electronic media, drawings and specifications, prepared or furnished by Consultant pursuant to this project are subject to the terms and conditions specified in the contract between the Consultant and Client, whether or not the project is completed.
11. Unless otherwise specifically noted in the work product or a requirement of the contract between the Consultant and Client, any reuse, modification or disbursement of documents to third parties will be at the sole risk of the third party and without liability or legal exposure to Consultant.
12. In the event that any questions arise with respect to the scope or meaning of Consultant's work product, immediately contact Consultant for clarification, explanation or to update the work product. In addition, Consultant has the right to verify, at the party's expense, the accuracy of the information contained in the work product, as deemed necessary by Consultant, based upon the passage of time or other material change in conditions since conducting the work.
13. Any use of or reliance on the work product shall constitute acceptance of the terms hereof.

## TABLES

### FORMER NU-STYLE COMPANY, INC. PHASE II SITE ASSESSMENT

Table 1  
Summary of Soil Analytical Data and Objectives

Former Nu-Style Company, Inc.  
Grove Street  
Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
Prepared for the County of Norfolk, Massachusetts

January 2007

		MADEP 2006 RC-S1	MW-01 841061130-01 11/30/2006 1.25 Primary	MW-01 841061130-02 11/30/2006 4.00 Primary	B-02 841061130-03 11/30/2006 1.00 Primary	B-02 841061130-04 11/30/2006 6.00 Primary	MW-02 841061130-05 11/30/2006 1.50 Primary	MW-02 841061130-06 11/30/2006 6.00 Primary	B-04 841061130-07 11/30/2006 1.00 Primary	B-04 841061130-08 11/30/2006 5.50 Primary	B-05 841061130-09 11/30/2006 1.20 Primary	B-05 841061130-10 11/30/2006 6.00 Primary	B-06 841061130-11 11/30/2006 0.25 Primary	B-06 841061130-12 11/30/2006 1.50 Primary	MW-03 841061130-13 11/30/2006 1.00 Primary	MW-03 841061130-14 11/30/2006 6.00 Primary	MW-04 841061130-15 11/30/2006 1.00 Primary	MW-04 841061130-16 11/30/2006 1.00 Duplicate 1	MW-04 841061130-17 11/30/2006 6.00 Primary	MW-05 841061201-19 12/01/2006 1.20 Primary	MW-05 841061201-20 12/01/2006 6.00 Primary	B-10 841061201-21 12/01/2006 1.00 Primary	B-10 841061201-22 12/01/2006 6.00 Primary	B-11 841061201-23 12/01/2006 1.00 Primary	B-11 841061201-24 12/01/2006 6.00 Primary	B-12 841061201-25 12/01/2006 1.00 Primary		
Starting Depth (feet)	Ending Depth (feet)		0.50	3.00	0.00	5.00	0.00	5.00	0.00	5.00	0.40	5.00	0.00	1.00	0.00	5.00	0.00	0.00	5.00	0.40	5.00	0.00	5.00	0.00	5.00	0.00	5.00	0.00
Metals (Method 6010)	UNITS		2.00	5.00	2.00	7.00	3.00	7.00	2.00	6.00	2.00	7.00	0.50	2.00	2.00	7.00	2.00	2.00	7.00	2.00	7.00	2.00	7.00	2.00	7.00	2.00	7.00	
Antimony	mg/kg	20	ND <0.53	ND <0.56	ND <0.56	ND <0.59	ND <0.59	ND <0.57	ND <0.57	ND <0.57	ND <0.53	ND <0.54	ND <0.54	ND <0.59	ND <0.55	ND <0.55	ND <0.56	ND <0.53	ND <0.55	6.5	6.9	ND <0.50	ND <0.50	ND <0.54	ND <0.60	ND <0.56		
Arsenic	mg/kg	20	ND <0.50	ND <0.56	ND <0.56	1.2	ND <0.59	6.6	2.6	ND <0.57	2.0	1.1	ND <0.54	ND <0.54	1.8	ND <0.55	ND <0.55	ND <0.56	ND <0.53	ND <0.55	3.1	ND <0.50	ND <0.50	1.8	ND <0.60	3.1		
Barium	mg/kg	1000	16	24	36	20	36	36	48	24	39	10	28	26	18	11	14	9.2	17	110	55	16	9.6	23	34	30		
Beryllium	mg/kg	0.7	0.19	0.57	0.21	0.19	0.22	0.15	0.34	0.36	0.25	0.13	0.18	0.16	0.12	0.17	0.24	0.081	0.15	0.37	0.17	0.7	0.21	0.16	0.38	0.26		
Cadmium	mg/kg	2	ND <0.10	ND <0.11	0.17	0.14	0.13	ND <0.11	0.34	0.19	0.22	ND <0.11	0.46	0.13	0.16	ND <0.11	0.15	ND <0.11	ND <0.11	0.54	0.18	0.18	ND <0.10	0.26	ND <0.12	0.19		
Chromium	mg/kg	1000	3.2	5.3	7.1	6.0	35	4.1	8.4	5.4	5.1	3.5	5.8	7.4	2.2	5.5	6.0	1.4	5.7	27	26	5.2	1.9	5.4	4.4	6.0		
Copper	mg/kg	1000	4.9	12	91	43	160	9.0	13	18	32	3.4	31	20	5.0	2.9	2.5	2.5	25	29	9.5	6.3	1.9	8.5	2.9	37		
Lead	mg/kg	300	4.9	8.1	40	18	25	89	8.4	22	20	1.6	97	25	9.2	2.6	3.4	1.5	4.7	780	310	2.9	4.8	17	4.3	93		
Nickel	mg/kg	20	2.6	3.3	4.0	3.6	6.2	5.0	23	37	4.9	14	10	2.6	3.2	1.8	2.0	6.5	2.0	6.4	6.3	3.6	1.0	3.2	1.7	130		
Selenium	mg/kg	400	ND <0.50	ND <0.56	ND <0.56	ND <0.59	ND <0.59	ND <0.57	ND <0.57	ND <0.57	ND <0.53	ND <0.54	ND <0.54	ND <0.59	ND <0.55	ND <0.55	ND <0.56	ND <0.53	ND <0.55	ND <0.50	ND <0.50	ND <0.50	ND <0.50	ND <0.54	ND <0.56			
Silver	mg/kg	100	ND <0.10	ND <0.11	ND <0.11	ND <0.12	ND <0.12	ND <0.11	ND <0.11	ND <0.11	ND <0.10	ND <0.11	ND <0.11	ND <0.12	ND <0.11	ND <0.11	ND <0.11	ND <0.11	ND <0.11	ND <0.10	ND <0.10	ND <0.10	ND <0.10	ND <0.11	ND <0.12	ND <0.11		
Thallium	mg/kg	8	ND <0.26	ND <0.28	ND <0.28	ND <0.30	ND <0.29	ND <0.28	ND <0.28	ND <0.28	ND <0.26	ND <0.27	ND <0.27	ND <0.29	ND <0.27	ND <0.27	ND <0.28	ND <0.27	ND <0.28	ND <0.25	ND <0.25	ND <0.27	ND <0.27	ND <0.27	ND <0.30	ND <0.28		
Zinc	mg/kg	2500	10	13	85	63	27	54	20	26	48	6.8	71	14	14	6.3	4.0	4.2	16	310	84	22	15	48	8.4	28		
Mercury (Method 7471)	mg/kg	20	ND <0.021	ND <0.022	0.029	ND <0.024	0.14	ND <0.023	0.034	0.051	0.023	ND <0.022	ND <0.021	0.065	ND <0.022	ND <0.022	ND <0.023	ND <0.021	ND <0.022	0.073	ND <0.023	0.023	ND <0.021	0.032	ND <0.024	0.044		
Cyanide (Method 9012)	mg/kg	100	ND <0.53	ND <0.56	ND <0.56	ND <0.59	ND <0.59	ND <0.57	ND <0.57	ND <0.57	ND <0.53	ND <0.54	ND <0.54	ND <0.59	ND <0.55	ND <0.55	ND <0.56	ND <0.53	ND <0.55	ND <0.54	ND <0.58	ND <0.55	ND <0.54	ND <0.54	ND <0.6	ND <0.56		
VPH (MADEP Method)																												
C5-C8 Aliphatics	ug/kg	100000	ND <6200	ND <6500	ND <6900	ND <8800	ND <7900	ND <7000	ND <7000	ND <6900	ND <5900	ND <6500	ND <5900	ND <7800	ND <6400	ND <6400	ND <7600	ND <6000	ND <6100	ND <6400	ND <7600	ND <6400	ND <6100	ND <12000	ND <8000	ND <6800		
C9-C12 Aliphatics	ug/kg	1000000	ND <6200	ND <6500	ND <6900	ND <8800	ND <7900	ND <7000	ND <7000	ND <6900	ND <5900	ND <6500	ND <5900	ND <7800	ND <6400	ND <6400	ND <7600	ND <6000	ND <6100	ND <6400	ND <7600	ND <6400	ND <6100	ND <12000	ND <8000	ND <6800		
C9-C10 Aromatics	ug/kg	100000	ND <6200	ND <6500	ND <6900	ND <8800	ND <7900	ND <7000	ND <7000	ND <6900	ND <5900	ND <6500	ND <5900	ND <7800	ND <6400	ND <6400	ND <7600	ND <6000	ND <6100	ND <6400	ND <7600	ND <6400	ND <6100	ND <12000	ND <8000	ND <6800		
EPH (MADEP Method)																												
C9-C18 Aliphatics	ug/kg	1000000	ND <10000	ND <10000	ND <11000	ND <11000	ND <11000	ND <11000	ND <11000	ND <11000	ND <10000	ND <11000	ND <11000	ND <12000	ND <10000	ND <10000	ND <11000	ND <11000	ND <10000	ND <11000	ND <11000	ND <11000	ND <10000	ND <10000	ND <11000	ND <11000		
C19-C36 Aliphatics	ug/kg	2500000	4000	14000	ND <11000	ND <11000	ND <11000	ND <11000	ND <11000	ND <11000	ND <10000	ND <11000	ND <11000	ND <12000	ND <10000	ND <10000	ND <11000	ND <11000	ND <10000	ND <11000	ND <11000	ND <11000	ND <10000	ND <10000	ND <11000	ND <11000		
C11-C22 Aromatics	ug/kg	200000	100000	16000	17000	32000	110000	20000	40000	61000	33000	ND <11000	92000	ND <12000	52000	81000	ND <11000	ND <11000	ND <10000	ND <11000	ND <11000	ND <11000	ND <10000	ND <10000	ND <11000	ND <11000		
VOCs (Method 8260)																												
Benzene	ug/kg	2000	ND <5.3	ND <5.6	ND <5.1	ND <5.8	ND <5.3	ND <5.5	ND <350	ND <340	ND <5.0	ND <5.3	ND <300	ND <5.8	ND <5.2	ND <5.4	ND <5.2	ND <4.9	ND <4.6	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
Ethylbenzene	ug/kg	80000	ND <5.3	ND <5.6	ND <5.1	ND <5.8	ND <5.3	ND <5.5	ND <350	ND <340	ND <5.0	ND <5.3	ND <300	ND <5.8	ND <5.2	ND <5.4	ND <5.2	ND <4.9	ND <4.6	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
Methyl tert butyl ether	ug/kg	100	ND <5.3	ND <5.6	ND <5.1	ND <5.8	ND <5.3	ND <5.5	ND <70	ND <69	ND <5.0	ND <5.3	ND <59	ND <5.8	ND <5.2	ND <5.4	ND <5.2	ND <4.9	ND <4.6	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
Naphthalene	ug/kg	4000	ND <5.3	ND <5.6	ND <5.1	10	ND <5.3	ND <5.5	ND <110	ND <110	ND <5.0	ND <5.3	ND <110	ND <5.8	260	ND <5.4	ND <5.2	2300	ND <4.6	ND <4.6	ND <5.6	ND <100	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
Toluene	ug/kg	30000	ND <5.3	ND <5.6	17	ND <5.8	ND <5.3	ND <5.5	ND <350	ND <340	ND <5.0	ND <5.3	ND <300	ND <5.8	ND <5.2	ND <5.4	ND <5.2	ND <4.9	ND <4.6	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
m-P-xylenes	ug/kg	NR	ND <5.3	ND <5.6	7.0	ND <5.8	ND <5.3	ND <5.5	ND <350	ND <340	ND <5.0	ND <5.3	ND <300	ND <5.8	ND <5.2	ND <5.4	ND <5.2	ND <4.9	ND <4.6	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
o-Xylene	ug/kg	500000	ND <5.3	ND <5.6	ND <5.1	ND <5.8	ND <5.3	ND <5.5	ND <350	ND <340	ND <5.0	ND <5.3	ND <300	ND <5.8	ND <5.2	ND <5.4	ND <5.2	ND <4.9	ND <4.6	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
Tetrachloroethene	ug/kg	1000	ND <5.3	ND <5.6	ND <5.1	ND <5.8	28	45	15000	20000	110	22	34000	310	130	120	13	18	26	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
1,2,3-Trichlorobenzene	ug/kg	NR	ND <5.3	ND <5.6	ND <5.1	ND <5.8	ND <5.3	ND <5.5	ND <570	ND <1100	ND <5.0	ND <5.3	ND <1100	ND <5.8	ND <5.2	ND <5.4	ND <5.2	ND <4.9	ND <4.6	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
1,1,1-trichloroethane	ug/kg	30000	ND <5.3	ND <5.6	ND <5.1	ND <5.8	ND <5.3	ND <5.5	ND <570	ND <1100	ND <5.0	ND <5.3	ND <1100	ND <5.8	ND <5.2	ND <5.4	ND <5.2	ND <4.9	ND <4.6	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
1,1,2-Trichloroethane	ug/kg	100	ND <5.3	ND <5.6	ND <5.1	ND <5.8	ND <5.3	ND <5.5	ND <570	ND <1100	ND <5.0	ND <5.3	ND <1100	ND <5.8	ND <5.2	ND <5.4	ND <5.2	ND <4.9	ND <4.6	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
Trichloroethene	ug/kg	300	ND <5.3	ND <5.6	ND <5.1	ND <5.8	12	21	19000	31000	58	9.6	6700	79	150	67	37	44	24	ND <4.6	ND <5.6	ND <270	ND <5.4	ND <5.0	ND <5.7	ND <5.2		
Vinyl Chloride	ug/kg	600	ND <10	ND <11	ND <10	ND <12	ND <11	ND <11	ND <1100	ND <2300	ND <10	ND <10	ND <2100	ND <12	ND <10	ND <11	ND <10	ND <9.8	ND <9.2	ND <9.2	ND <11	ND <550	ND <11	ND <10	ND <11			

Table 2  
Summary of Groundwater Analytical Data and Objectives

Former Nu-Style Company, Inc.  
Grove Street  
Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
Prepared for the County of Norfolk, Massachusetts

January 2007

		MCP RCGW-2	MW-01 841061208-27 12/8/2006 Primary	MW-01 841061208-28 12/8/2006 Duplicate 1	MW-02 841061208-30 12/8/2006 Primary	MW-03 841061208-32 12/8/2006 Primary	MW-04 841061208-29 12/8/2006 Primary	MW-05 841061208-31 12/8/2006 Primary
Groundwater parameters	UNITS							
pH	S		5.97	5.97	6.59	6.33	5.97	NA
Specific Conductance	uMhos/cm		464	464	1727	1534	2010	NA
Temperature	C deg		13.1	13.1	8.3	7.6	10.5	NA
Turbidity	ntu		36	36	50	500	15	NA
Dissolved Oxygen	mg/l		0.4	0.4	7.7	6.9	2.6	NA
ORP	mv		-35.0	-35.0	59	93.2	45.1	NA
Metals (Method 6010)								
Barium	mg/l	50	0.042	0.038	0.15	0.21	0.14	0.83
Beryllium	mg/l	0.05	ND <0.0010	ND <0.0010	ND <0.0010	0.0087	ND <0.0010	0.0018
Cadmium	mg/l	0.004	ND <0.0020	ND <0.0020	ND <0.0020	ND <0.0020	ND <0.0020	0.0034
Chromium	mg/l	2	ND <0.010	ND <0.010	ND <0.010	0.036	ND <0.010	0.092
Copper	mg/l	100	ND <0.010	ND <0.010	0.015	0.018	ND <0.010	0.073
Lead	mg/l	0.01	0.014	0.012	ND <0.0040	0.098	ND <0.0040	1.9
Nickel	mg/l	0.2	ND <0.010	ND <0.010	0.15	0.054	0.017	0.12
Zinc	mg/l	0.9	0.023	0.015	0.057	0.17	0.028	0.73
VOCs (Method 8260)								
Methyl tert butyl ether (MTBE)	µg/l	1000	ND <1.0	ND <1.0	ND <1.0	ND <1.0	2.1	ND <1.0
cis-1,2-Dichloroethene	µg/l	100	ND <1.0	ND <1.0	ND <1.0	ND <1.0	8	ND <1.0
Tetrachloroethene	µg/l	50	ND <1.0	ND <1.0	6.6	43	240	ND <1.0
1,1,1-trichloroethane	µg/l	4000	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.8	ND <1.0
Trichloroethene	µg/l	30	ND <1.0	ND <1.0	6.6	40	150	ND <1.0

--- Not applicable

ND <X: Compound not detected above laboratory reporting limit

NA: Not analyzed

VOCs: Volatile organic compounds

RC GW-1: MADEP Reportable concentrations for GW-1 groundwater areas.

RC GW-2: MADEP Reportable concentrations for GW-2 groundwater areas.

Color-shaded values indicate exceedence of reportable concentration.

Created by SAH  
Reviewed by LCK

Table 3  
Groundwater Elevation Measurements for On-Site Monitoring Wells  
Measured December 8, 2006

Former Nu-Style Company, Inc. Facility  
87 Grove Street  
Franklin, Massachusetts

Phase II Environmental Site Assessment Report  
Prepared for Norfolk County, Massachusetts

January 2007

Location	Time	Depth to Water (feet from PVC)	Absolute Elevation of PVC <sup>a</sup> (feet)	Groundwater Elevation (feet)
MW-1	0943	4.16	100.35	96.19
MW-2	1300	7.96	98.54	90.58
MW-3	1412	8.18	99.73	91.55
MW-4	1130	7.56	98.23	90.67
MW-5	1515	8.49	104.47	95.98

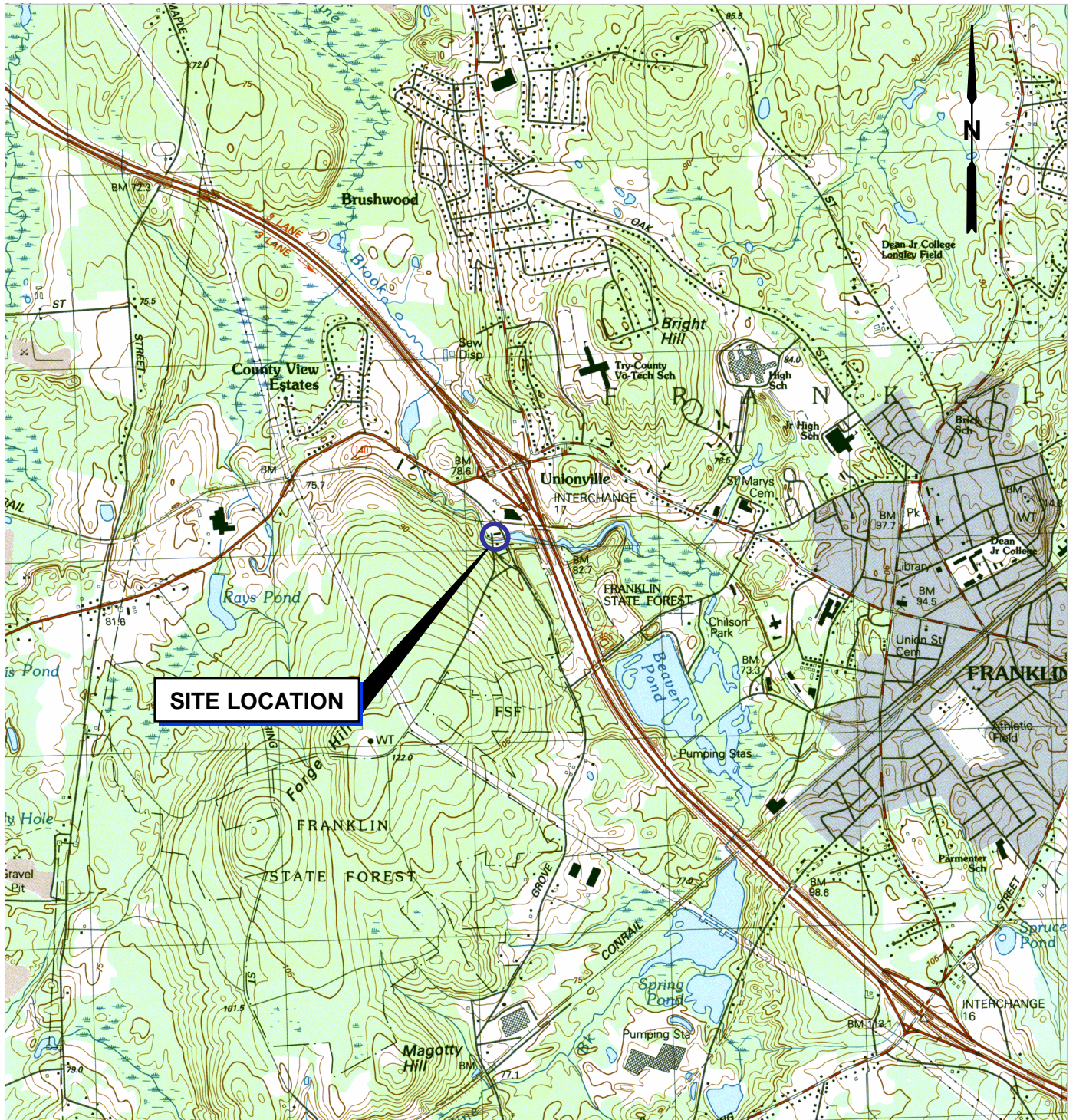
<sup>a</sup>elevation data from survey conducted December 4, 2006

Created by SAH  
Reviewed by LCK

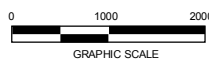
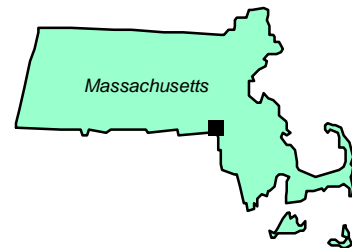
## FIGURES

### FORMER NU-STYLE COMPANY, INC. PHASE II SITE ASSESSMENT





**MAP REFERENCE:**  
THIS MAP WAS PREPARED FROM THE FOLLOWING  
7.5 MINUTE SERIES TOPOGRAPHIC MAP:  
FRANKLIN, MASSACHUSETTS-RHODE ISLAND, 1987



SCALE: 1"=2000'



FOUNDRY CORPORATE OFFICE CENTER  
275 PROMENADE ST, SUITE 350, PROVIDENCE RI 02908

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NORFOLK COUNTY, MASSACHUSETTS

## SITE LOCATION MAP

FORMER NU-STYLE COMPANY, INC.

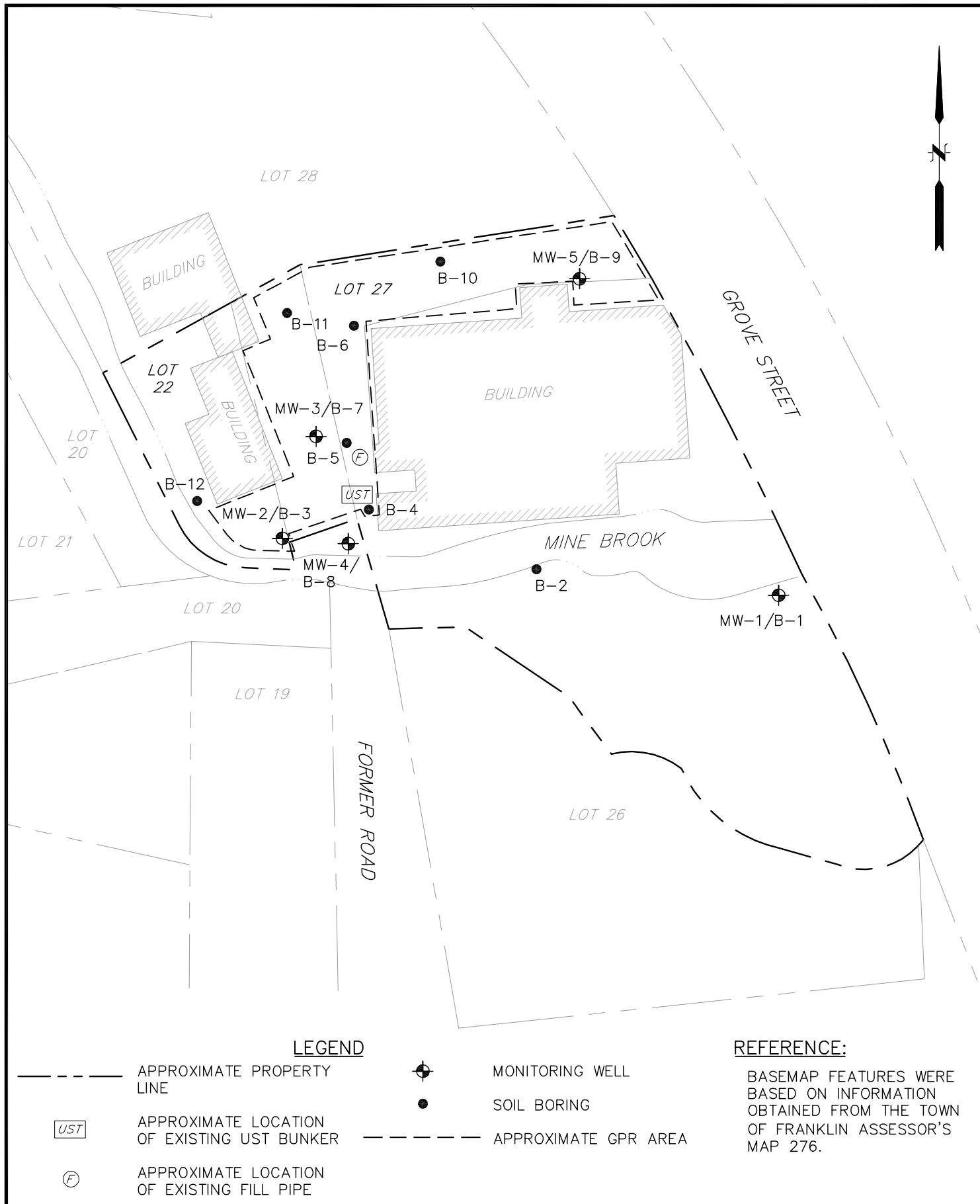
87 GROVE STREET

FRANKLIN, MASS.

PROJ. No: 20050458.B10  
DATE: JANUARY 2007

# FIGURE 1





SCALE:	
HORZ.: 1"=60'±	
VERT.:	
DATUM:	
HORZ.:	
VERT.:	
0 30 60	
GRAPHIC SCALE	



**FUSS & O'NEILL**  
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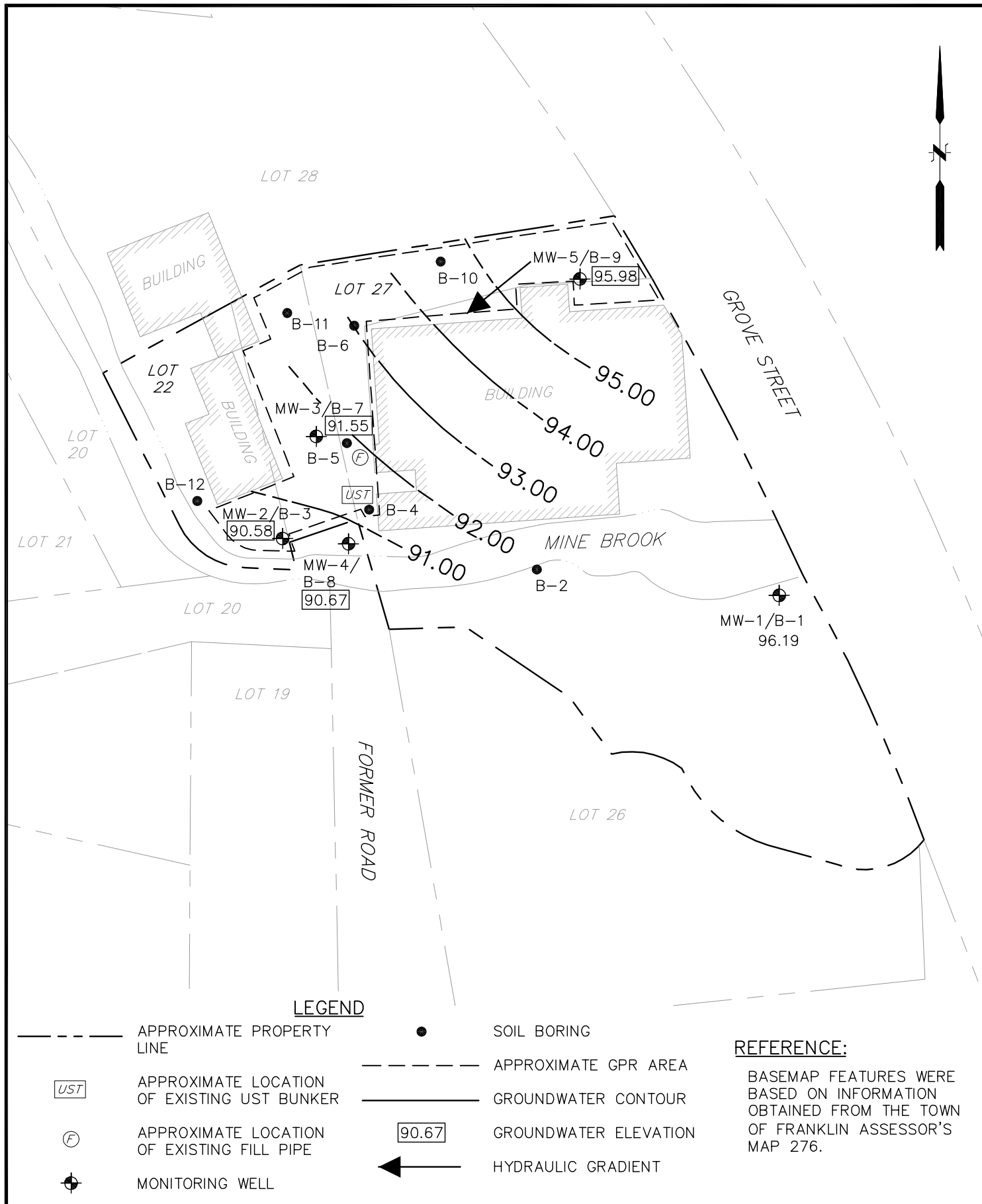
FORMER NU-STYLE COMPANY, INC. FACILITY  
SITE PLAN  
87 GROVE STREET

FRANKLIN

MASSACHUSETTS

PROJ. No.: 20050458.B10  
DATE: JANUARY 2007

**FIGURE**  
**2**



SCALE:	
HORZ.: 1"=60'±	
VERT.:	
DATUM:	
HORZ.:	
VERT.:	
GRAPHIC SCALE	



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FORMER NU-STYLE COMPANY, INC. FACILITY  
GROUNDWATER EQUIPOTENTIAL  
CONTOUR MAP  
87 GROVE STREET  
FRANKLIN MASSACHUSETTS

PROJ. No.: 20050458.B10  
DATE: JANUARY 2007

**FIGURE**  
**3**



## APPENDIX A

### FORMER NU-STYLE COMPANY, INC. PHASE II SITE ASSESSMENT

### SOIL BORING LOGS AND MONITORING WELL COMPLETION REPORTS

Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts

Site Id: MW-01  
Project Number: 2005-0458 B10



**FUSS & O'NEILL**  
*Disciplines to Deliver*

275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908

Location: **See map** Datum: **Assumed** Logged By: **S. Hubbs** Driller: **S. Perry**  
Description: **Monitoring Well, Shallow** Ground Elevation: **0.00'** Contractor: **New England Geotech** Borehole Dia.: **2.00in**  
Date(s): **11/30/06 - 11/30/06** Coordinate X: **0.00** Drilling Method: **Geoprobe**  
Completed Depth: **12.00'** Coordinate Y: **0.00** Blank Casing:  
type: **PVC** dia: **2.00in** fm: **0.0'** to: **2.00'**  
Remarks: Field Instrument: Photovac 2020 Screens:  
type: Slotted size: **0.010in** dia: **2.00in** fm: **2.00'** to: **12.00'**  
Annular Fill:  
type: **Concrete** fm: **0.00'** to: **0.50'**  
type: **Bentonite Grout** fm: **0.50'** to: **1.00'**  
type: **#2 Sand** fm: **1.00'** to: **12.00'**  
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Well Construction	PHOT
							MP. EL. 0.00	
0		N/A		0-0.5': ASPHALT.		AS		0 ppm
	-01			0.5-5.0': SAND, M; some gravel; moderate yellowish brown (10YR 5/4), moist to wet at 2.5 feet.				
-2	2	N/A						
	-02							0 ppm
-4	4							
-6	6					SP		
-8	8							
-10	10							
-12	12			End of boring at 12 feet.				
-14	14							
-16	16							

Checked By:

Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts

Site Id: MW-02  
Project Number: 2005-0458 B10



Location: See map Datum: Assumed Logged By: S. Hubbs Driller: S. Perry  
Description: Monitoring Well, Shallow Ground Elevation: 0.00' Contractor: New England Geotech Borehole Dia.: 2.00in  
Date(s): 11/30/06 - 11/30/06 Coordinate X: 0.00 Drilling Method: Geoprobe  
Completed Depth: 12.00' Coordinate Y: 0.00 Blank Casing: type: PVC dia: 2.00in fm: 0.0' to: 2.00'  
Total Depth: 12.00' Screens: type: Slotted size: 0.010in dia: 2.00in fm: 2.00' to: 12.00'  
Remarks: Field Instrument: Photovac 2020 Annular Fill: type: Concrete fm: 0.00' to: 0.50'  
Refusal at 12 feet. type: Bentonite Grout fm: 0.50' to: 1.50'  
Unable to penetrate after several tries, cannot move location due to nearby inclined surface and drain/water line. type: #2 Sand fm: 1.50' to: 12.00'  
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Well Construction	PHOT
							MP. EL. 0.00	
0		-05		0-0.5': Sand, F-M and gravel; unburned coal/ash; light olive gray (5Y 5/2), dry. 0.5-0.7': CONCRETE. 0.7-5.0': Sand, F-M and gravel; unburned coal/ash; dusky brown (5YR 2/2), moist.		SP CR		0 ppm
-2	2	N/A						
-4	4							
-6	6	-06		Sand, F-M and gravel; moderate brown (5YR 4/4), moist to wet at 6.0 feet.		SP		0 ppm
-8	8	N/A						
-10	10							
-12	12			Boulder or rock. End of boring at 12 feet.		BD		
-14	14							
-16	16							

Checked By:

Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts

Site Id: MW-03  
Project Number: 2005-0458 B10



Location: See map      Datum: Assumed      Logged By: S. Hubbs      Driller: S. Perry  
Description: Monitoring Well, Shallow      Ground Elevation: 0.00'      Contractor: New England Geotech      Borehole Dia.: 2.00in  
Date(s): 11/30/06 - 11/30/06      Coordinate X: 0.00      Drilling Method: Geoprobe  
Completed Depth: 10.50'      Coordinate Y: 0.00      Blank Casing:  
Total Depth: 10.50'      type: PVC      dia: 2.00in      fm: 0.0'      to: 2.50'  
Remarks: Field Instrument: Photovac 2020      Screens:  
Refusal at 10.5 feet.      type: Slotted size: 0.010in dia: 2.00in      fm: 2.50'      to: 10.50'  
Annular Fill:  
type: Concrete      fm: 0.00'      to: 0.50'  
type: Bentonite Grout      fm: 0.50'      to: 1.50'  
type: #2 Sand      fm: 1.50'      to: 10.50'  
type:      fm:      to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Well Construction	PHOT
							MP. EL. 0.00	
0		-13		0-1.0': SAND, F-M; some gravel; dusky brown (5YR 2/2), moist. 1.0-5.0': SAND, F; trace gravel; dusky yellow (5Y 6/4).		SW		0 ppm
-2	2	N/A						
-4	4					SP		
-6	6	-14		5.0-6.1': SAND, F-M, moderate brown (5YR 4/4) to black (N1) at 5.8 feet, moist to wet at 5.8 feet. 6.1-10': SAND, F-M; some gravel; moderate brown (5YR 4/4), wet.				0 ppm
-8	8	N/A				SW		
-10	10	N/A		Sand, F-M and gravel; dusky yellow (5Y 6/4), wet. Boulders or bedrock. End of boring at 10.5 feet.		BD		0 ppm
-12	12							
-14	14							
-16	16							

Checked By:

Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts

Site Id: MW-04  
Project Number: 2005-0458 B10



**FUSS & O'NEILL**  
*Disciplines to Deliver*

275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908

Location: **See map** Datum: **Assumed** Logged By: **S. Hubbs** Driller: **S. Perry**  
Description: **Monitoring Well, Shallow** Ground Elevation: **0.00'** Contractor: **New England Geotech** Borehole Dia.: **2.00in**  
Date(s): **11/30/06 - 11/30/06** Coordinate X: **0.00** Drilling Method: **Geoprobe**  
Completed Depth: **10.50'** Coordinate Y: **0.00** Blank Casing: type: **PVC** dia: **2.00in** fm: **0.0'** to: **2.50'**  
Total Depth: **10.50'** Screens: type: **Slotted size: 0.010in dia: 2.00in** fm: **2.50'** to: **10.50'**  
Remarks: Field Instrument: **Photovac 2020** Annular Fill: type: **Concrete** fm: **0.00'** to: **0.50'**  
Refusal at 10.5 feet. type: **Bentonite Grout** fm: **0.50'** to: **1.50'**  
type: **#2 Sand** fm: **1.50'** to: **10.50'**  
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Well Construction	PHOT
							MP. EL. 0.00	
0		-15, -16		0-1.1': Sand, F and silt; trace brick and coal; dusky brown (5YR 2/2), dry. 1.1-5.0': SAND, M; trace gravel; dusky yellow (5Y 6/4), moist.		SM		0 ppm
-2	2	N/A						
-4	4							
-6	6	N/A		SAND, F-M; trace gravel; 1/4 inch black discrete band at 5.6 feet; dusky yellow (5Y 6/4) with oxidized orange at 6.8 feet; moist to wet at 6.8 feet.		SP		0 ppm
-8	8							
-10	10	N/A		Sand, M-C and gravel; moderate olive brown (5Y 4/4), wet. End of boring at 10.5 feet.		SW MR		0 ppm
-12	12							
-14	14							
-16	16							

Checked By:

Page 1 of 1




Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts

Site Id: MW-05  
Project Number: 2005-0458 B10



Location: See map      Datum: Assumed      Logged By: S. Hubbs      Driller: S. Perry  
Description: Monitoring Well, Shallow      Ground Elevation: 0.00'      Contractor: New England Geotech      Borehole Dia.: 2.00in  
Date(s): 12/01/06 - 12/01/06      Coordinate X: 0.00      Drilling Method: Geoprobe  
Completed Depth: 12.00'      Coordinate Y: 0.00      Blank Casing: type: PVC      dia: 2.00in      fm: 0.0'      to: 2.00'  
Total Depth: 12.00'      Screens: type: Slotted size: 0.010in dia: 2.00in      fm: 2.00'      to: 12.00'  
Remarks: Field Instrument: Photovac 2020      Annular Fill: type: Concrete      fm: 0.00'      to: 0.50'  
type: Bentonite Grout      fm: 0.50'      to: 1.50'  
type: #2 Sand      fm: 1.50'      to: 12.00'  
type:      fm:      to:


Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Well Construction	PHOT
							MP. EL. 0.00	
0		N/A		0-0.4': Asphalt, pieces and coal pieces.		CO/AS		0 ppm
		-19		0.4-1.1': Sand, F-M and gravel; dusky yellow (5Y 6/4), dry.		SW		
				1.1-2.0': SAND, F-M; some silt and gravel; trace asphalt and coal; black (N1), dry. Loose.		SM		
-2	2	N/A		2.0-5.0': Sand, F-M and gravel; dusky yellow (5Y 6/4), moist.				
						SW		
-4	4							
-6	6			5.0-6.0': Same as above.				0 ppm
				6.0-10': SILT, clayey, light olive gray (5Y 5/2), wet.				
-8	8	N/A				ML		
-10	10	N/A		10-11.2': Sand, F-M and gravel; dusky yellow (5Y 6/4), wet.		SW		0 ppm
				11.2-12': SILT, clayey, light olive gray (5Y 5/2), wet.		ML		
-12	12			End of boring at 12 feet.				
-14	14							
-16	16							

Project Name: <b>Nu-Style</b> Project Location: <b>Franklin, Massachusetts</b>		Site Id: <b>B-02</b> Project Number: <b>2005-0458 B10</b>		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908</small>	
Location: <b>See map</b> Description: <b>Soil Boring</b> Date(s): <b>11/30/06 - 11/30/06</b> Total Depth: <b>7.50'</b> Remarks: <b>Field Instrument: Photovac 2020</b> <b>Refusal at 7.5 feet.</b>		Datum: Ground Elevation: <b>0.00'</b> Coordinate X: <b>0.00</b> Coordinate Y: <b>0.00</b>		Logged By: <b>S. Hubbs</b> Contractor: <b>New England Geotech</b> Drilling Method: <b>Geoprobe</b> Back Fill: type: <b>Native Material</b> type: type: type: type:	
				Driller: <b>S. Perry</b> Borehole Dia.: <b>2.00in</b> fm: <b>0.00'</b> to: <b>7.50'</b> fm: to: fm: to: fm: to: fm: to:	

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		-03		0-0.2': Sand, F and silt; some organics; leaf litter; dusky brown (5YR 2/2), dry. 0.2-5.0': Sand, F-M and gravel; dark yellowish brown (10YR 4/2), moist.		SM	0 ppm
-2	2	N/A					
-4	4					SP	
-6	6	-04		5.0-5.3': BRICK, red. 5.3-7.5': Sand, F-M and gravel; oxidized from 5.3 to 5.8 feet; dark yellowish brown (10YR 4/2), wet.			0 ppm
-8	8	N/A		Rock or brick. End of boring at 7.5 feet.		RK	
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						


Checked By:
Page 1 of 1

Project Name: <b>Nu-Style</b> Project Location: <b>Franklin, Massachusetts</b>		Site Id: <b>B-04</b> Project Number: <b>2005-0458 B10</b>		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908</small>	
Location: <b>See map</b> Description: <b>Soil Boring</b> Date(s): <b>11/30/06 - 11/30/06</b> Total Depth: <b>9.00'</b> Remarks: Field Instrument: Photovac 2020 Refusal at 9.0 feet. Pulled piece of granite bridge abutment out of abandoned first hole.		Datum: Ground Elevation: <b>0.00'</b> Coordinate X: <b>0.00</b> Coordinate Y: <b>0.00</b>		Logged By: <b>S. Hubbs</b> Contractor: <b>New England Geotech</b> Drilling Method: <b>Geoprobe</b> Back Fill: type: Native Material type: type: type:	
				Driller: <b>S. Perry</b> Borehole Dia.: <b>2.00in</b> fm: 0.00' to: 9.00' fm: to: fm: to: fm: to:	























  

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		-07		0-0.3': Sand, F-M and gravel; light olive gray (5Y 2/2), dry. 0.3-5.0': SAND, F-M; some gravel; dusky brown (5YR 2/2).		SW	0 ppm
-2	2	N/A					
-4	4						
-6	6	N/A		SAND, F-M; some gravel; dusky brown (5YR 2/2), wet at 6.0 feet.		SP	0 ppm
-8	8						
-10	10			Brick or rock. End of boring at 9.0 feet.		RK	
-12	12						
-14	14						
-16	16						
-18	18						


Checked By:
Page 1 of 1

Project Name: <b>Nu-Style</b> Project Location: <b>Franklin, Massachusetts</b>		Site Id: <b>B-05</b> Project Number: <b>2005-0458 B10</b>		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908</small>	
Location: <b>See map</b> Description: <b>Soil Boring</b> Date(s): <b>11/30/06 - 11/30/06</b> Total Depth: <b>9.00'</b> Remarks: <b>Field Instrument: Photovac 2020</b> <b>Refusal at 9.0 feet.</b>		Datum: Ground Elevation: <b>0.00'</b> Coordinate X: <b>0.00</b> Coordinate Y: <b>0.00</b>		Logged By: <b>S. Hubbs</b> Contractor: <b>New England Geotech</b> Drilling Method: <b>Geoprobe</b> Back Fill: type: <b>Native Material</b> type: type: type: type:	
				Driller: <b>S. Perry</b> Borehole Dia.: <b>2.00in</b> fm: <b>0.00'</b> to: <b>9.00'</b> fm: to: fm: to: fm: to: fm: to:	


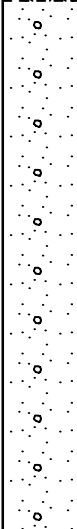
  

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		N/A		0-0.4': ASPHALT.		AS	0 ppm
		-09		0.4-1.4': Sand, F-M and gravel; trace coal/ash; dark yellowish brown (10YR 4/2), moist.		SW	
				1.4-5.0': SAND, F, dusky yellow (5Y 6/4), moist.			
-2	2	N/A					
						SP	
							
-4	4						
							
		-10		5.0-6.2': Same as above.			0 ppm
				6.2-9.0': Sand, M and gravel; dusky yellow (5Y 6/4), wet.			
-6	6						
							
		N/A				SW	
-8	8						
							
							
-10	10			End of boring at 9.0 feet.			
							
-12	12						
							
-14	14						
							
-16	16						
-18	18						



Checked By:
Page 1 of 1

Project Name: <b>Nu-Style</b> Project Location: <b>Franklin, Massachusetts</b>		Site Id: <b>B-06</b> Project Number: <b>2005-0458 B10</b>		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908</small>	
Location: <b>See map</b> Description: <b>Soil Boring</b> Date(s): <b>11/30/06 - 11/30/06</b> Total Depth: <b>8.00'</b> Remarks: Field Instrument: Photovac 2020 Refusal at 8.0 feet.		Datum: Ground Elevation: <b>0.00'</b> Coordinate X: <b>0.00</b> Coordinate Y: <b>0.00</b>		Logged By: <b>S. Hubbs</b> Contractor: <b>New England Geotech</b> Drilling Method: <b>Geoprobe</b> Back Fill: type: Native Material type: type: type: type:	
		Driller: <b>S. Perry</b> Borehole Dia.: <b>2.00in</b>		fm: 0.00'      to: 8.00' fm:              to: fm:              to: fm:              to: fm:              to:	


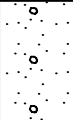

  

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		-11		0-0.5': SAND, F; some gravel; dusky brown (5YR 2/2), dry. 0.5-1.1': SAND, M; coal and ash; dusky brown (5YR 2/2), dry. 1.1-5.0': Sand, M-C and gravel; dusky brown (5YR 2/2), moist.		SW	0 ppm
		N/A				FI	
		-12					
-2	2	N/A				SW	0 ppm
-4	4						
		N/A		Sand, M and gravel; moderate brown (5YR 4/4), wet.			
-6	6						
-8	8			End of boring at 8.0 feet.			
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By:
Page 1 of 1

Project Name: Nu-Style Project Location: Franklin, Massachusetts		Site Id: B-10 Project Number: 2005-0458 B10		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908</small>			
Location: See map Description: Soil Boring Date(s): 12/01/06 - 12/01/06 Total Depth: 7.50' Remarks: Field Instrument: Photovac 2020 Refusal at 7.5 feet.		Datum: Ground Elevation: 0.00' Coordinate X: 0.00 Coordinate Y: 0.00		Logged By: S. Hubbs Contractor: New England Geotech Drilling Method: Geoprobe Back Fill: type: Native Material type: type: type: type:		Driller: S. Perry Borehole Dia.: 2.00in fm: 0.00' to: 7.50' fm: fm: fm: fm:	
Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		-21		0-1.1': Sand, F-M and gravel; some silt; dusky brown (5YR 2/2). 1.1-1.3': BOULDER, granite. 1.3-5.0': Sand, F-M and gravel; some silt; dusky brown (5YR 2/2), moist.			0 ppm
-2	2	N/A					
-4	4					GM	
-6	6	-22		Sand, F-M and gravel; some silt; dusky yellow (5Y 6/4).			0 ppm
-8	8	N/A		End of boring at 7.5 feet.			
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

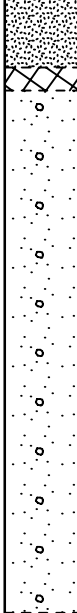
Checked By: Page 1 of 1

Project Name: Nu-Style Project Location: Franklin, Massachusetts		Site Id: B-11 Project Number: 2005-0458 B10		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908</small>			
Location: See map Description: Soil Boring Date(s): 12/01/06 - 12/01/06 Total Depth: 8.00' Remarks: Field Instrument: Photovac 2020 Refusal at 8.0 feet.		Datum: Ground Elevation: 0.00' Coordinate X: 0.00 Coordinate Y: 0.00		Logged By: S. Hubbs Contractor: New England Geotech Drilling Method: Geoprobe Back Fill: type: Native Material type: type: type: type:		Driller: S. Perry Borehole Dia.: 2.00in fm: 0.00' to: 8.00' fm: fm: fm: fm:	
Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		-23		0-1.6': SAND, F-M, yellowish gray (5Y 7/2) to dusky brown (5YR 2/2) at 0.4 feet, dry. 1.6-2.4': SAND, F; some silt; trace gravel; yellowish gray (5Y 7/2), moist. 2.4-2.7': Sand, F and silt; wood or textile; moderate brown (5YR 3/4), moist. 2.7-5.0': SAND, F; some silt; trace gravel; yellowish gray (5Y 7/2), moist.		SW	0 ppm
-2	2	N/A					
-4	4						
-6	6	-24		Sand, F and silt; dusky brown (5YR 3/4), moist to wet at 6.2 feet.		SM	0 ppm
-8	8	N/A		End of boring at 8.0 feet.			
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						
Checked By:				Page 1 of 1			

Site Id: B-12  
Project Number: 2005-0458 B10



Location: <b>See map</b>	Datum:	Logged By: <b>S. Hubbs</b>	Driller: <b>S. Perry</b>
Description: <b>Soil Boring</b>	Ground Elevation: <b>0.00'</b>	Contractor: <b>New England Geotech</b>	Borehole Dia.: <b>2.00in</b>
Date(s): <b>12/01/06 – 12/01/06</b>	Coordinate X: <b>0.00</b>	Drilling Method: <b>Geoprobe</b>	
Total Depth: <b>8.00'</b>	Coordinate Y: <b>0.00</b>	Back Fill:	
Remarks: Field Instrument: Photovac 2020		type: Native Material	fm: 0.00' to: 8.00'
Refusal at 8.0 feet.		type:	fm: to:
		type:	fm: to:
		type:	fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0							0 ppm
-25				0-0.9': SAND, F-M; some silt; trace gravel; dusky brown (5YR 3/4), moist. 0.9-1.2': Sand, F and coal/ash; moist. 1.2-5.0': SAND, F-M; trace gravel; moderate brown (5YR 4/4), moist to wet at 1.5 feet.		SM FI	
-2	2	N/A					
-4	4						
		N/A		No recovery.		SW	
-6	6						
-8	8			End of boring at 8.0 feet.			
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						



## APPENDIX B

### FORMER NU-STYLE COMPANY, INC. PHASE II SITE ASSESSMENT

PREMIER LABORATORY CERTIFICATES OF ANALYSIS,  
FUSS & O'NEILL DATA VERIFICATION NARRATIVES AND  
CERTIFICATIONS, AND  
DATA VALIDATION COMPLETION WORKSHEETS



**Modified Tier I  
Data Validation Narrative  
and Certification**

**Project: 20050458B10, Former Nu-Style Company, Inc. Facility**


<b>Premier Laboratory Project Number:</b>	<u>E612024</u>
<b>Date Samples Received at Laboratory:</b>	<u>12/1/2006</u>
<b>Date of Review:</b>	<u>1/11/2007</u>

Seven soil samples were collected and submitted to Premier Laboratory, LLC in Dayville, Connecticut for analysis of volatile organic compounds (VOCs) by EPA Method 8260B, priority pollutant metals plus barium by EPA Methods 6010B and 7471, cyanide by EPA Method 9012, polychlorinated biphenyls (PCBs) by EPA Method 8082, and petroleum hydrocarbons by Massachusetts Department of Environmental Protection (MADEP) Methods Extractable Petroleum Hydrocarbons (EPH) and Volatile Petroleum Hydrocarbons (VPH). One aqueous trip blank was also submitted for analysis of VOCs by EPA Method 8260B. Dedicated sampling equipment was employed; therefore, no equipment blank was indicated. A field duplicate was collected and submitted during the first day of sampling.

Samples were analyzed within method-specified holding times and in accordance with the Massachusetts Contingency Plan (MCP) Compendium of Analytical Methods (CAM) data enhancement protocols.

I certify that the field and laboratory data associated with the above referenced project, to the best of my knowledge with the exceptions noted above, are compliant with the Quality Assurance Project Plan for the Former Nu-Style Company, Inc. Facility located in Franklin, Massachusetts dated September 2006.

Certified by:

  
\_\_\_\_\_  
Kevin W. Miller, Ph.D.  
QA/QC Officer



**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
MODIFIED TIER I COMPLETENESS CHECKLIST**

	<u>YES</u>	<u>NO</u>
<b>1. SAMPLING AND FIELD MEASUREMENTS:</b>		
Field measurement calibration records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Groundwater field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Soil sampling field measurements (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sediment sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Surface water sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Low-flow sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Documentation of field activities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample numbering and labeling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicate samples	<input type="checkbox"/>	<input type="checkbox"/> N/A
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A
<b>2. LABORATORY MEASUREMENTS:</b>		
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Instrument blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Laboratory control samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicates samples	<input type="checkbox"/>	<input type="checkbox"/> N/A
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Matrix spike/matrix spike duplicates	<input type="checkbox"/>	<input type="checkbox"/> N/A
Analysis type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Surrogate recoveries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A
<b>TOTAL:</b>	<u>13</u>	<u>0</u>
<b>PERCENT COMPLETE:</b>	<u>100</u>	%



Premier Laboratory, LLC

61 Louisa Viens Drive

Dayville, CT 06241

Telephone: 860-774-6814 Fax: 860-774-26A9

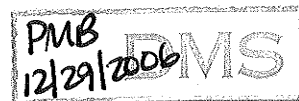
## **ANALYTICAL DATA & QUALITY CONTROL REPORT**

Report Number: **E612024**

Project: **20050458.B10/Nu-Style Phase II**

Fuss & O'Neill  
275 Promenade Street  
Providence, RI 02908

Attn: David Foss





Premier  
Laboratory, LLC

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

## ANALYTICAL DATA REPORT

Report Number: E612024  
Project: 20050458.B10/Nu-Style Phase II

prepared for:

Fuss & O'Neill  
275 Promenade Street  
Providence, RI 02908

Attn: David Foss

Received Date: 12/1/2006  
Report Date: 3/13/2007

Premier Laboratory, LLC  
Authorized Signature



Certifications:  
CT (PH-0465), MA (M-CT008), ME (CT050), NH (2020), NJ (CT002), NY (11549), RI (RI246)



# Premier Laboratory, LLC

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Premier Laboratory, LLC			Project #: E612024		
Project Location: Franklin, MA			MADEP RTN <sup>1</sup> :		
This Form provides certifications for the following data set:[list Laboratory Sample ID Number(s)] 1, 2, 3, 4, 5, 6, 7, 8					
Sample Matrices: <input type="checkbox"/> Groundwater <input checked="" type="checkbox"/> Soil/Sediment <input type="checkbox"/> Drinking Water <input type="checkbox"/> Other					
<b>MCP SW-846 Methods Used</b> As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8260B <input checked="" type="checkbox"/>	8151A <input type="checkbox"/>	8330 <input type="checkbox"/>	6010B <input checked="" type="checkbox"/>	7470A/1A <input checked="" type="checkbox"/>
	8270C <input type="checkbox"/>	8081A <input type="checkbox"/>	VPH <input checked="" type="checkbox"/>	6020 <input type="checkbox"/>	9014M <sup>2</sup> <input type="checkbox"/>
	8082 <input checked="" type="checkbox"/>	8021B <input type="checkbox"/>	EPH <input checked="" type="checkbox"/>	7000 S <sup>3</sup> <input type="checkbox"/>	7196A <input type="checkbox"/>
1 List Release Tracking Number (RTN), if known 2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method 3 S - SW-846 Methods 7000 Series List individual method and analyte.					
<b>An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status</b>					
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 (a),(b),(c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
D	<b>VPH and EPH Methods only:</b> Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>A response to questions E and F below is required for "Presumptive Certainty" status</b>					
E	Were all QC performance standards and recommendations for the specified methods achieved?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<sup>1</sup> All NO answers must be addressed in an attached Environmental Laboratory case narrative.					
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.					
Signature: _____			Position: Laboratory Director		
Printed Name: Robert Stevenson			Date: 3/13/2007		



Report No: E612024  
Client: Fuss & O'Neill  
Project: 20050458.B10/Nu-Style Phase II

## **CASE NARRATIVE / METHOD CONFORMANCE SUMMARY**

Premier Laboratory received eight samples from Fuss & O'Neill on 12/01/2006. The samples were analyzed from the following list of analyses:

Cyanide, Total, by 9012 in GW/SW 9012[9012]	Extractable Petroleum Hydrocarbon (EPH) MADEP EPH[MADEP EPH]
Mercury by 7471 in SW 7471[7471]	Moisture, Percent
Trace Priority Pollutant (13) Metals in Soil 6010B[3000], 7471[7471]	PCB's by 8082 in GW/SW 8082[3500]
Volatiles by 8260B in GW/SW 8260B	Volatile Petroleum Hydrocarbon (VPH) MADEP VPH

In order to meet requested detection limits, EDB results were estimated to 3 ppb for EPA method 8260B. Dibromochloromethane, 1,2-Dichlorobenzene and 1,1,2,2-Tetrachloroethane were all estimated to a value of 5.0 ppb. This value of 5.0 ppb corresponds to the lowest level of calibration on the instrument prior to the % solid value being calculated into the reported detection limits. The samples were ND for all estimated compounds to their respective values.

### **Variances:**

#### **SDG:**

A full list 8260B LCS was run and met the applicable recovery criteria for "Presumptive Certainty". An LCS Duplicate encompassing all target compounds was not run for EPA method 8260B. Both an LCS and LCSD were analyzed for the oxygenate compounds only.

#### **Method:**

None reported.

#### **QA/QC:**

Sample 1A, 841061201-19, Volatiles by 8260B: Three internal standards were outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 1A, 841061201-19, Volatiles by 8260B: Two surrogate spikes were outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the surrogate was still outside of the limits.



Report No: E612024  
Client: Fuss & O'Neill  
Project: 20050458.B10/Nu-Style Phase II

**CASE NARRATIVE / METHOD CONFORMANCE SUMMARY**  
**(continued)**

**QA/QC (continued):**

Sample 2A, 841061201-20, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 5A, 841061201-23, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 5A, 841061201-23, Volatiles by 8260B: One surrogate spike was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the surrogate was still outside of the limits.

Sample 6A, 841061201-24, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 7A, 841061201-25, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 7A, 841061201-25, Volatiles by 8260B: Two surrogate spikes were outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the surrogate was still outside of the limits.



# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612024  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(1) 841061201-19</b>						
<b>Date Collected: 12/1/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.54	mg/kg	12/06/06 12:02	DDD	
Trace Metals by 6010B						
Antimony	6.5	0.50	mg/kg	12/05/06	BSZ	
Arsenic	3.1	0.50	mg/kg	12/05/06	BSZ	
Barium	110	0.50	mg/kg	12/05/06	BSZ	
Beryllium	0.37	0.050	mg/kg	12/05/06	BSZ	
Cadmium	0.54	0.10	mg/kg	12/05/06	BSZ	
Chromium	27	0.50	mg/kg	12/05/06	BSZ	
Copper	29	0.50	mg/kg	12/05/06	BSZ	
Lead	780	2.2	mg/kg	12/05/06	BSZ	10
Nickel	6.4	0.50	mg/kg	12/05/06	BSZ	
Selenium	ND	0.50	mg/kg	12/05/06	BSZ	
Silver	ND	0.10	mg/kg	12/05/06	BSZ	
Thallium	ND	0.25	mg/kg	12/05/06	BSZ	
Zinc	310	0.50	mg/kg	12/05/06	BSZ	
Mercury by SW-846 7471 in SW	0.073	0.022	mg/kg	12/05/06	AM	
<b>(2) 841061201-20</b>						
<b>Date Collected: 12/1/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.58	mg/kg	12/06/06 12:03	DDD	
Trace Metals by 6010B						
Antimony	6.9	0.50	mg/kg	12/05/06	BSZ	
Arsenic	ND	0.50	mg/kg	12/05/06	BSZ	
Barium	55	0.50	mg/kg	12/05/06	BSZ	
Beryllium	0.17	0.050	mg/kg	12/05/06	BSZ	
Cadmium	0.18	0.10	mg/kg	12/05/06	BSZ	
Chromium	26	0.50	mg/kg	12/05/06	BSZ	
Copper	9.5	0.50	mg/kg	12/05/06	BSZ	
Lead	310	0.20	mg/kg	12/05/06	BSZ	
Nickel	6.3	0.50	mg/kg	12/05/06	BSZ	
Selenium	ND	0.50	mg/kg	12/05/06	BSZ	
Silver	ND	0.10	mg/kg	12/05/06	BSZ	
Thallium	ND	0.25	mg/kg	12/05/06	BSZ	
Zinc	84	0.50	mg/kg	12/05/06	BSZ	

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612024  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(2) 841061201-20 (continued)</b>						
<b><u>Date Collected: 12/1/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Mercury by SW-846 7471 in SW	ND	0.023	mg/kg	12/05/06	AM	
<b>(3) 841061201-21</b>						
<b><u>Date Collected: 12/1/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Cyanide, Total, by SW-846 9012	ND	0.55	mg/kg	12/06/06	12:04	DDD
Trace Metals by 6010B						
Antimony	ND	0.50	mg/kg	12/05/06	BSZ	
Arsenic	ND	0.50	mg/kg	12/05/06	BSZ	
Barium	16	0.50	mg/kg	12/05/06	BSZ	
Beryllium	0.70	0.050	mg/kg	12/05/06	BSZ	
Cadmium	ND	0.10	mg/kg	12/05/06	BSZ	
Chromium	5.2	0.50	mg/kg	12/05/06	BSZ	
Copper	6.3	0.50	mg/kg	12/05/06	BSZ	
Lead	2.9	0.20	mg/kg	12/05/06	BSZ	
Nickel	3.6	0.50	mg/kg	12/05/06	BSZ	
Selenium	ND	0.50	mg/kg	12/05/06	BSZ	
Silver	ND	0.10	mg/kg	12/05/06	BSZ	
Thallium	ND	0.27	mg/kg	12/05/06	BSZ	
Zinc	22	0.50	mg/kg	12/05/06	BSZ	
Mercury by SW-846 7471 in SW	0.023	0.022	mg/kg	12/05/06	AM	
<b>(4) 841061201-22</b>						
<b><u>Date Collected: 12/1/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Cyanide, Total, by SW-846 9012	ND	0.54	mg/kg	12/06/06	12:07	DDD

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612024  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
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**(4) 841061201-22 (continued)**

**Date Collected: 12/1/2006**      **Matrix: Solid**

Trace Metals by 6010B

Antimony	ND	0.50	mg/kg	12/05/06		BSZ
Arsenic	ND	0.50	mg/kg	12/05/06		BSZ
Barium	9.6	0.50	mg/kg	12/05/06		BSZ
Beryllium	0.91	0.050	mg/kg	12/05/06		BSZ
Cadmium	ND	0.10	mg/kg	12/05/06		BSZ
Chromium	1.9	0.50	mg/kg	12/05/06		BSZ
Copper	1.9	0.50	mg/kg	12/05/06		BSZ
Lead	4.8	0.20	mg/kg	12/05/06		BSZ
Nickel	1.0	0.50	mg/kg	12/05/06		BSZ
Selenium	ND	0.50	mg/kg	12/05/06		BSZ
Silver	ND	0.10	mg/kg	12/05/06		BSZ
Thallium	ND	0.27	mg/kg	12/08/06		BSZ
Zinc	15	0.50	mg/kg	12/05/06		BSZ
Mercury by SW-846 7471 in SW	ND	0.021	mg/kg	12/05/06		AM

**(5) 841061201-23**

**Date Collected: 12/1/2006**      **Matrix: Solid**

Cyanide, Total, by SW-846 9012

Trace Metals by 6010B

Cyanide, Total, by SW-846 9012	ND	0.54	mg/kg	12/06/06	12:08	DDD
Trace Metals by 6010B						
Antimony	ND	0.54	mg/kg	12/05/06		BSZ
Arsenic	1.8	0.54	mg/kg	12/05/06		BSZ
Barium	23	0.54	mg/kg	12/05/06		BSZ
Beryllium	0.16	0.054	mg/kg	12/05/06		BSZ
Cadmium	0.26	0.11	mg/kg	12/08/06		BSZ
Chromium	5.4	0.54	mg/kg	12/05/06		BSZ
Copper	8.5	0.54	mg/kg	12/05/06		BSZ
Lead	17	0.22	mg/kg	12/05/06		BSZ
Nickel	3.2	0.54	mg/kg	12/05/06		BSZ
Selenium	ND	0.54	mg/kg	12/05/06		BSZ
Silver	ND	0.11	mg/kg	12/05/06		BSZ
Thallium	ND	0.27	mg/kg	12/05/06		BSZ
Zinc	48	0.54	mg/kg	12/05/06		BSZ
Mercury by SW-846 7471 in SW	0.032	0.022	mg/kg	12/05/06		AM

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612024  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(6) 841061201-24</b>						
<b>Date Collected: 12/1/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.6	mg/kg	12/06/06 12:09	DDD	
Trace Metals by 6010B						
Antimony	ND	0.60	mg/kg	12/05/06	BSZ	
Arsenic	ND	0.60	mg/kg	12/05/06	BSZ	
Barium	34	0.60	mg/kg	12/05/06	BSZ	
Beryllium	0.38	0.060	mg/kg	12/05/06	BSZ	
Cadmium	ND	0.12	mg/kg	12/05/06	BSZ	
Chromium	4.4	0.60	mg/kg	12/05/06	BSZ	
Copper	2.9	0.60	mg/kg	12/05/06	BSZ	
Lead	4.3	0.24	mg/kg	12/05/06	BSZ	
Nickel	1.7	0.60	mg/kg	12/05/06	BSZ	
Selenium	ND	0.60	mg/kg	12/05/06	BSZ	
Silver	ND	0.12	mg/kg	12/05/06	BSZ	
Thallium	ND	0.30	mg/kg	12/08/06	BSZ	
Zinc	8.4	0.60	mg/kg	12/05/06	BSZ	
Mercury by SW-846 7471 in SW	ND	0.024	mg/kg	12/05/06	AM	
<b>(7) 841061201-25</b>						
<b>Date Collected: 12/1/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.56	mg/kg	12/06/06 12:10	DDD	
Trace Metals by 6010B						
Antimony	ND	0.56	mg/kg	12/08/06	BSZ	
Arsenic	3.1	0.56	mg/kg	12/05/06	BSZ	
Barium	30	0.56	mg/kg	12/05/06	BSZ	
Beryllium	0.26	0.056	mg/kg	12/05/06	BSZ	
Cadmium	0.19	0.11	mg/kg	12/05/06	BSZ	
Chromium	6.0	0.56	mg/kg	12/05/06	BSZ	
Copper	37	0.56	mg/kg	12/05/06	BSZ	
Lead	93	0.22	mg/kg	12/05/06	BSZ	
Nickel	130	0.56	mg/kg	12/05/06	BSZ	
Selenium	ND	0.56	mg/kg	12/05/06	BSZ	
Silver	ND	0.11	mg/kg	12/05/06	BSZ	
Thallium	ND	0.28	mg/kg	12/05/06	BSZ	
Zinc	28	0.56	mg/kg	12/05/06	BSZ	

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
PL Report No: E612024  
Date Received: 12/1/2006

Customer: Fuss & O'Neill  
Location: Franklin, MA  
Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(7) 841061201-25 (continued)</b>						
<b>Date Collected: 12/1/2006</b>	<b>Matrix: Solid</b>					
Mercury by SW-846 7471 in SW	0.044	0.022	mg/kg	12/05/06	AM	

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	1	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061201-19
		Dilution (Target):	50
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/04/06	Percent Moisture:	8.2
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6400	ug/kg
C9-C12 Aliphatics**	50	14000	6400	ug/kg
C9-C10 Aromatics***	50	ND	6400	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	96	70%-130%
2,5-dibromotoluene #2	104	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	320	ug/kg
Ethylbenzene	ND	320	ug/kg
Methyl tert-butyl ether (MTBE)	ND	64	ug/kg
Naphthalene	ND	320	ug/kg
Toluene	ND	320	ug/kg
m,p-Xylenes	ND	320	ug/kg
o-Xylene	ND	320	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 1

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-19

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.2

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28525.D;J28740.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	18
71-43-2	Benzene	ND	4.6
108-86-1	Bromobenzene	ND	4.6
74-97-5	Bromochloromethane	ND	4.6
75-27-4	Bromodichloromethane	ND	4.6
75-25-2	Bromoform	ND	4.6
74-83-9	Bromomethane	ND	9.2
78-93-3	2-Butanone (MEK)	ND	9.2
104-51-8	n-Butylbenzene	ND	4.6
135-98-8	sec-Butylbenzene	ND	4.6
98-06-6	tert-Butylbenzene	ND	4.6
75-15-0	Carbon disulfide	ND	4.6
56-23-5	Carbon tetrachloride	ND	4.6
108-90-7	Chlorobenzene	ND	4.6
75-00-3	Chloroethane	ND	9.2
67-66-3	Chloroform	ND	4.6
74-87-3	Chloromethane	ND	9.2
95-49-8	2-Chlorotoluene	ND	4.6
106-43-4	4-Chlorotoluene	ND	4.6
108-20-3	Di-isopropyl ether (DIPE)	ND	50
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	4.6
124-48-1	Dibromochloromethane	ND	4.6
106-93-4	1,2-Dibromoethane (EDB)	ND	2.8
74-95-3	Dibromomethane	ND	4.6
95-50-1	1,2-Dichlorobenzene	ND	4.6
541-73-1	1,3-Dichlorobenzene	ND	4.6
106-46-7	1,4-Dichlorobenzene	ND	4.6
75-71-8	Dichlorodifluoromethane	ND	9.2
75-34-3	1,1-Dichloroethane	ND	4.6
107-06-2	1,2-Dichloroethane	ND	4.6
75-35-4	1,1-Dichloroethene	ND	4.6
156-59-2	cis-1,2-Dichloroethene	ND	4.6
156-60-5	trans-1,2-Dichloroethene	ND	4.6
78-87-5	1,2-Dichloropropane	ND	4.6
142-28-9	1,3-Dichloropropane	ND	4.6
590-20-7	2,2-Dichloropropane	ND	4.6
563-58-6	1,1-Dichloropropene	ND	4.6
10061-01-5	cis-1,3-Dichloropropene	ND	4.6
10061-02-6	trans-1,3-Dichloropropene	ND	4.6
60-29-7	Diethyl ether	ND	9.2
123-91-1	1,4-Dioxane	ND	18

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 1 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-19

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.2

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28525.D;J28740.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	50
100-41-4	Ethylbenzene	ND	4.6
87-68-3	Hexachlorobutadiene	ND	4.6
591-78-6	2-Hexanone	ND	9.2
98-82-8	Isopropylbenzene	ND	4.6
99-87-6	4-Isopropyltoluene	ND	4.6
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	4.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	9.2
75-09-2	Methylene chloride	ND	4.6
91-20-3	Naphthalene	ND	4.6
103-65-1	n-Propylbenzene	ND	4.6
100-42-5	Styrene	ND	4.6
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	50
109-99-9	Tetrahydrofuran	ND	4.6
96-18-4	1,2,3-Trichloropropane	ND	4.6
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.6
127-18-4	Tetrachloroethene (PCE)	ND	4.6
108-88-3	Toluene	ND	4.6
87-61-6	1,2,3-Trichlorobenzene	ND	4.6
120-82-1	1,2,4-Trichlorobenzene	ND	4.6
71-55-6	1,1,1-Trichloroethane	ND	4.6
79-00-5	1,1,2-Trichloroethane	ND	4.6
79-01-6	Trichloroethene (TCE)	ND	4.6
75-69-4	Trichlorofluoromethane	ND	9.2
95-63-6	1,2,4-Trimethylbenzene	ND	4.6
108-67-8	1,3,5-Trimethylbenzene	ND	4.6
75-01-4	Vinyl chloride	ND	9.2
95-47-6	o-Xylene	ND	4.6
	m,p-Xylenes	ND	4.6
Surrogate	Recovery	Limits	
Bromofluorobenzene	61%	78%-111%	
1,2-Dichloroethane-d4	108%	91%-114%	
Toluene-d8	118%	86%-115%	



### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	2	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061201-20
		Dilution (Target):	50
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/04/06	Percent Moisture:	13.7
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	7600	ug/kg
C9-C12 Aliphatics**	50	ND	7600	ug/kg
C9-C10 Aromatics***	50	ND	7600	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	89	70%-130%
2,5-dibromotoluene #2	98	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	380	ug/kg
Ethylbenzene	ND	380	ug/kg
Methyl tert-butyl ether (MTBE)	ND	76	ug/kg
Naphthalene	ND	380	ug/kg
Toluene	ND	380	ug/kg
m,p-Xylenes	ND	380	ug/kg
o-Xylene	ND	380	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 2

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-20

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 13.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/04/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50061

Lab Data File: J28501.D;J28741.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	22
71-43-2	Benzene	ND	5.6
108-86-1	Bromobenzene	ND	5.6
74-97-5	Bromochloromethane	ND	5.6
75-27-4	Bromodichloromethane	ND	5.6
75-25-2	Bromoform	ND	5.6
74-83-9	Bromomethane	ND	11
78-93-3	2-Butanone (MEK)	ND	11
104-51-8	n-Butylbenzene	ND	5.6
135-98-8	sec-Butylbenzene	ND	5.6
98-06-6	tert-Butylbenzene	ND	5.6
75-15-0	Carbon disulfide	ND	5.6
56-23-5	Carbon tetrachloride	ND	5.6
108-90-7	Chlorobenzene	ND	5.6
75-00-3	Chloroethane	ND	11
67-66-3	Chloroform	ND	5.6
74-87-3	Chloromethane	ND	11
95-49-8	2-Chlorotoluene	ND	5.6
106-43-4	4-Chlorotoluene	ND	5.6
108-20-3	Di-isopropyl ether (DIPE)	ND	56
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.6
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.4
74-95-3	Dibromomethane	ND	5.6
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.6
106-46-7	1,4-Dichlorobenzene	ND	5.6
75-71-8	Dichlorodifluoromethane	ND	11
75-34-3	1,1-Dichloroethane	ND	5.6
107-06-2	1,2-Dichloroethane	ND	5.6
75-35-4	1,1-Dichloroethene	ND	5.6
156-59-2	cis-1,2-Dichloroethene	ND	5.6
156-60-5	trans-1,2-Dichloroethene	ND	5.6
78-87-5	1,2-Dichloropropane	ND	5.6
142-28-9	1,3-Dichloropropane	ND	5.6
590-20-7	2,2-Dichloropropane	ND	5.6
563-58-6	1,1-Dichloropropene	ND	5.6
10061-01-5	cis-1,3-Dichloropropene	ND	5.6
10061-02-6	trans-1,3-Dichloropropene	ND	5.6
60-29-7	Diethyl ether	ND	11
123-91-1	1,4-Dioxane	ND	22

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 2 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-20

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 13.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/04/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50061

Lab Data File: J28501.D;J28741.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	56
100-41-4	Ethylbenzene	ND	5.6
87-68-3	Hexachlorobutadiene	ND	5.6
591-78-6	2-Hexanone	ND	11
98-82-8	Isopropylbenzene	ND	5.6
99-87-6	4-Isopropyltoluene	ND	5.6
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11
75-09-2	Methylene chloride	ND	5.6
91-20-3	Naphthalene	ND	5.6
103-65-1	n-Propylbenzene	ND	5.6
100-42-5	Styrene	ND	5.6
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	56
109-99-9	Tetrahydrofuran	ND	5.6
96-18-4	1,2,3-Trichloropropane	ND	5.6
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	ND	5.6
108-88-3	Toluene	ND	5.6
87-61-6	1,2,3-Trichlorobenzene	ND	5.6
120-82-1	1,2,4-Trichlorobenzene	ND	5.6
71-55-6	1,1,1-Trichloroethane	ND	5.6
79-00-5	1,1,2-Trichloroethane	ND	5.6
79-01-6	Trichloroethene (TCE)	ND	5.6
75-69-4	Trichlorofluoromethane	ND	11
95-63-6	1,2,4-Trimethylbenzene	ND	5.6
108-67-8	1,3,5-Trimethylbenzene	ND	5.6
75-01-4	Vinyl chloride	ND	11
95-47-6	o-Xylene	ND	5.6
	m,p-Xylenes	ND	5.6

Surrogate	Recovery	Limits
Bromofluorobenzene	85%	78%-111%
1,2-Dichloroethane-d4	101%	91%-114%
Toluene-d8	105%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	3	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061201-21
		Dilution (Target):	50
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/04/06	Percent Moisture:	8.5
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6400	ug/kg
C9-C12 Aliphatics**	50	ND	6400	ug/kg
C9-C10 Aromatics***	50	ND	6400	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	88	70%-130%
2,5-dibromotoluene #2	98	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	320	ug/kg
Ethylbenzene	ND	320	ug/kg
Methyl tert-butyl ether (MTBE)	ND	64	ug/kg
Naphthalene	ND	320	ug/kg
Toluene	ND	320	ug/kg
m,p-Xylenes	ND	320	ug/kg
o-Xylene	ND	320	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 3

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-21

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.5

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 50

Method: 8260B

Soil Extract Volume:

QC Batch#: 50078

Lab Data File: M32494.D;J28742.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	1100
71-43-2	Benzene	ND	270
108-86-1	Bromobenzene	ND	270
74-97-5	Bromochloromethane	ND	270
75-27-4	Bromodichloromethane	ND	270
75-25-2	Bromoform	ND	270
74-83-9	Bromomethane	ND	550
78-93-3	2-Butanone (MEK)	ND	550
104-51-8	n-Butylbenzene	ND	270
135-98-8	sec-Butylbenzene	ND	270
98-06-6	tert-Butylbenzene	ND	270
75-15-0	Carbon disulfide	ND	270
56-23-5	Carbon tetrachloride	ND	270
108-90-7	Chlorobenzene	ND	270
75-00-3	Chloroethane	ND	550
67-66-3	Chloroform	ND	270
74-87-3	Chloromethane	ND	550
95-49-8	2-Chlorotoluene	ND	270
106-43-4	4-Chlorotoluene	ND	270
108-20-3	Di-isopropyl ether (DIPE)	ND	55
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	270
124-48-1	Dibromochloromethane	ND	270
106-93-4	1,2-Dibromoethane (EDB)	ND	160
74-95-3	Dibromomethane	ND	270
95-50-1	1,2-Dichlorobenzene	ND	270
541-73-1	1,3-Dichlorobenzene	ND	270
106-46-7	1,4-Dichlorobenzene	ND	270
75-71-8	Dichlorodifluoromethane	ND	550
75-34-3	1,1-Dichloroethane	ND	270
107-06-2	1,2-Dichloroethane	ND	270
75-35-4	1,1-Dichloroethene	ND	270
156-59-2	cis-1,2-Dichloroethene	ND	270
156-60-5	trans-1,2-Dichloroethene	ND	270
78-87-5	1,2-Dichloropropane	ND	270
142-28-9	1,3-Dichloropropane	ND	270
590-20-7	2,2-Dichloropropane	ND	270
563-58-6	1,1-Dichloropropene	ND	270
10061-01-5	cis-1,3-Dichloropropene	ND	270
10061-02-6	trans-1,3-Dichloropropene	ND	270
60-29-7	Diethyl ether	ND	550
123-91-1	1,4-Dioxane	ND	1100

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 3 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-21

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.5

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 50

Method: 8260B

Soil Extract Volume:

QC Batch#: 50078

Lab Data File: M32494.D;J28742.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	55
100-41-4	Ethylbenzene	ND	270
87-68-3	Hexachlorobutadiene	ND	270
591-78-6	2-Hexanone	ND	550
98-82-8	Isopropylbenzene	ND	270
99-87-6	4-Isopropyltoluene	ND	270
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	270
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	550
75-09-2	Methylene chloride	ND	270
91-20-3	Naphthalene	ND	270
103-65-1	n-Propylbenzene	ND	270
100-42-5	Styrene	ND	270
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	55
109-99-9	Tetrahydrofuran	ND	270
96-18-4	1,2,3-Trichloropropane	ND	270
630-20-6	1,1,1,2-Tetrachloroethane	ND	270
79-34-5	1,1,2,2-Tetrachloroethane	ND	270
127-18-4	Tetrachloroethene (PCE)	4300	270
108-88-3	Toluene	ND	270
87-61-6	1,2,3-Trichlorobenzene	ND	270
120-82-1	1,2,4-Trichlorobenzene	ND	270
71-55-6	1,1,1-Trichloroethane	ND	270
79-00-5	1,1,2-Trichloroethane	ND	270
79-01-6	Trichloroethene (TCE)	9300	270
75-69-4	Trichlorofluoromethane	ND	550
95-63-6	1,2,4-Trimethylbenzene	ND	270
108-67-8	1,3,5-Trimethylbenzene	ND	270
75-01-4	Vinyl chloride	ND	550
95-47-6	o-Xylene	ND	270
	m,p-Xylenes	ND	270

Surrogate	Recovery	Limits
Bromofluorobenzene	88%	78%-111%
1,2-Dichloroethane-d4	102%	91%-114%
Toluene-d8	105%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	4	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061201-22
		Dilution (Target):	50
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/04/06	Percent Moisture:	6.6
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6100	ug/kg
C9-C12 Aliphatics**	50	ND	6100	ug/kg
C9-C10 Aromatics***	50	ND	6100	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	91	70%-130%
2,5-dibromotoluene #2	101	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	300	ug/kg
Ethylbenzene	ND	300	ug/kg
Methyl tert-butyl ether (MTBE)	ND	61	ug/kg
Naphthalene	ND	300	ug/kg
Toluene	ND	300	ug/kg
m,p-Xylenes	ND	300	ug/kg
o-Xylene	ND	300	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 4

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-22

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 6.6

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28527.D;J28743.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	22
71-43-2	Benzene	ND	5.4
108-86-1	Bromobenzene	ND	5.4
74-97-5	Bromochloromethane	ND	5.4
75-27-4	Bromodichloromethane	ND	5.4
75-25-2	Bromoform	ND	5.4
74-83-9	Bromomethane	ND	11
78-93-3	2-Butanone (MEK)	ND	11
104-51-8	n-Butylbenzene	ND	5.4
135-98-8	sec-Butylbenzene	ND	5.4
98-06-6	tert-Butylbenzene	ND	5.4
75-15-0	Carbon disulfide	ND	5.4
56-23-5	Carbon tetrachloride	ND	5.4
108-90-7	Chlorobenzene	ND	5.4
75-00-3	Chloroethane	ND	11
67-66-3	Chloroform	ND	5.4
74-87-3	Chloromethane	ND	11
95-49-8	2-Chlorotoluene	ND	5.4
106-43-4	4-Chlorotoluene	ND	5.4
108-20-3	Di-isopropyl ether (DIPE)	ND	5.4
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.4
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.2
74-95-3	Dibromomethane	ND	5.4
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.4
106-46-7	1,4-Dichlorobenzene	ND	5.4
75-71-8	Dichlorodifluoromethane	ND	11
75-34-3	1,1-Dichloroethane	ND	5.4
107-06-2	1,2-Dichloroethane	ND	5.4
75-35-4	1,1-Dichloroethene	ND	5.4
156-59-2	cis-1,2-Dichloroethene	ND	5.4
156-60-5	trans-1,2-Dichloroethene	ND	5.4
78-87-5	1,2-Dichloropropane	ND	5.4
142-28-9	1,3-Dichloropropane	ND	5.4
590-20-7	2,2-Dichloropropane	ND	5.4
563-58-6	1,1-Dichloropropene	ND	5.4
10061-01-5	cis-1,3-Dichloropropene	ND	5.4
10061-02-6	trans-1,3-Dichloropropene	ND	5.4
60-29-7	Diethyl ether	ND	11
123-91-1	1,4-Dioxane	ND	22



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 4 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-22

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 6.6

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28527.D;J28743.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	54
100-41-4	Ethylbenzene	ND	5.4
87-68-3	Hexachlorobutadiene	ND	5.4
591-78-6	2-Hexanone	ND	11
98-82-8	Isopropylbenzene	ND	5.4
99-87-6	4-Isopropyltoluene	ND	5.4
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11
75-09-2	Methylene chloride	ND	5.4
91-20-3	Naphthalene	ND	5.4
103-65-1	n-Propylbenzene	ND	5.4
100-42-5	Styrene	ND	5.4
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	54
109-99-9	Tetrahydrofuran	ND	5.4
96-18-4	1,2,3-Trichloropropane	ND	5.4
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	48	5.4
108-88-3	Toluene	ND	5.4
87-61-6	1,2,3-Trichlorobenzene	ND	5.4
120-82-1	1,2,4-Trichlorobenzene	ND	5.4
71-55-6	1,1,1-Trichloroethane	ND	5.4
79-00-5	1,1,2-Trichloroethane	ND	5.4
79-01-6	Trichloroethene (TCE)	150	5.4
75-69-4	Trichlorofluoromethane	ND	11
95-63-6	1,2,4-Trimethylbenzene	ND	5.4
108-67-8	1,3,5-Trimethylbenzene	ND	5.4
75-01-4	Vinyl chloride	ND	11
95-47-6	o-Xylene	ND	5.4
	m,p-Xylenes	ND	5.4
Surrogate	Recovery	Limits	
Bromofluorobenzene	94%	78%-111%	
1,2-Dichloroethane-d4	102%	91%-114%	
Toluene-d8	95%	86%-115%	

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	5	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061201-23
		Dilution (Target):	50
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	7.8
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	12000	ug/kg
C9-C12 Aliphatics**	50	ND	12000	ug/kg
C9-C10 Aromatics***	50	ND	12000	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	91	70%-130%
2,5-dibromotoluene #2	101	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	620	ug/kg
Ethylbenzene	ND	620	ug/kg
Methyl tert-butyl ether (MTBE)	ND	120	ug/kg
Naphthalene	ND	620	ug/kg
Toluene	ND	620	ug/kg
m,p-Xylenes	ND	620	ug/kg
o-Xylene	ND	620	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 5

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-23

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 7.8

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28528.D;J28744.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	20
71-43-2	Benzene	ND	5.0
108-86-1	Bromobenzene	ND	5.0
74-97-5	Bromochloromethane	ND	5.0
75-27-4	Bromodichloromethane	ND	5.0
75-25-2	Bromoform	ND	5.0
74-83-9	Bromomethane	ND	10
78-93-3	2-Butanone (MEK)	ND	10
104-51-8	n-Butylbenzene	ND	5.0
135-98-8	sec-Butylbenzene	ND	5.0
98-06-6	tert-Butylbenzene	ND	5.0
75-15-0	Carbon disulfide	ND	5.0
56-23-5	Carbon tetrachloride	ND	5.0
108-90-7	Chlorobenzene	ND	5.0
75-00-3	Chloroethane	ND	10
67-66-3	Chloroform	ND	5.0
74-87-3	Chloromethane	ND	10
95-49-8	2-Chlorotoluene	ND	5.0
106-43-4	4-Chlorotoluene	ND	5.0
108-20-3	Di-isopropyl ether (DIPE)	ND	50
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.0
74-95-3	Dibromomethane	ND	5.0
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.0
106-46-7	1,4-Dichlorobenzene	ND	5.0
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	5.0
107-06-2	1,2-Dichloroethane	ND	5.0
75-35-4	1,1-Dichloroethene	ND	5.0
156-59-2	cis-1,2-Dichloroethene	ND	5.0
156-60-5	trans-1,2-Dichloroethene	ND	5.0
78-87-5	1,2-Dichloropropane	ND	5.0
142-28-9	1,3-Dichloropropane	ND	5.0
590-20-7	2,2-Dichloropropane	ND	5.0
563-58-6	1,1-Dichloropropene	ND	5.0
10061-01-5	cis-1,3-Dichloropropene	ND	5.0
10061-02-6	trans-1,3-Dichloropropene	ND	5.0
60-29-7	Diethyl ether	ND	10
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 5 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-23

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 7.8

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28528.D;J28744.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	50
100-41-4	Ethylbenzene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
591-78-6	2-Hexanone	ND	10
98-82-8	Isopropylbenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	5.0
103-65-1	n-Propylbenzene	ND	5.0
100-42-5	Styrene	ND	5.0
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	50
109-99-9	Tetrahydrofuran	ND	5.0
96-18-4	1,2,3-Trichloropropane	ND	5.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	40	5.0
108-88-3	Toluene	16	5.0
87-61-6	1,2,3-Trichlorobenzene	ND	5.0
120-82-1	1,2,4-Trichlorobenzene	ND	5.0
71-55-6	1,1,1-Trichloroethane	ND	5.0
79-00-5	1,1,2-Trichloroethane	ND	5.0
79-01-6	Trichloroethene (TCE)	5.0	5.0
75-69-4	Trichlorofluoromethane	ND	10
95-63-6	1,2,4-Trimethylbenzene	ND	5.0
108-67-8	1,3,5-Trimethylbenzene	ND	5.0
75-01-4	Vinyl chloride	ND	10
95-47-6	o-Xylene	ND	5.0
	m,p-Xylenes	ND	5.0

Surrogate	Recovery	Limits
Bromofluorobenzene	72%	78%-111%
1,2-Dichloroethane-d4	104%	91%-114%
Toluene-d8	115%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	6	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061201-24
		Dilution (Target):	50
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	16.4
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	8000	ug/kg
C9-C12 Aliphatics**	50	ND	8000	ug/kg
C9-C10 Aromatics***	50	ND	8000	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	95	70%-130%
2,5-dibromotoluene #2	104	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	400	ug/kg
Ethylbenzene	ND	400	ug/kg
Methyl tert-butyl ether (MTBE)	ND	80	ug/kg
Naphthalene	ND	400	ug/kg
Toluene	ND	400	ug/kg
m,p-Xylenes	ND	400	ug/kg
o-Xylene	ND	400	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 6

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-24

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 16.4

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28529.D;J28745.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	30	23
71-43-2	Benzene	ND	5.7
108-86-1	Bromobenzene	ND	5.7
74-97-5	Bromochloromethane	ND	5.7
75-27-4	Bromodichloromethane	ND	5.7
75-25-2	Bromoform	ND	5.7
74-83-9	Bromomethane	ND	11
78-93-3	2-Butanone (MEK)	ND	11
104-51-8	n-Butylbenzene	ND	5.7
135-98-8	sec-Butylbenzene	ND	5.7
98-06-6	tert-Butylbenzene	ND	5.7
75-15-0	Carbon disulfide	ND	5.7
56-23-5	Carbon tetrachloride	ND	5.7
108-90-7	Chlorobenzene	ND	5.7
75-00-3	Chloroethane	ND	11
67-66-3	Chloroform	ND	5.7
74-87-3	Chloromethane	ND	11
95-49-8	2-Chlorotoluene	ND	5.7
106-43-4	4-Chlorotoluene	ND	5.7
108-20-3	Di-isopropyl ether (DIPE)	ND	5.7
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.7
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.4
74-95-3	Dibromomethane	ND	5.7
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.7
106-46-7	1,4-Dichlorobenzene	ND	5.7
75-71-8	Dichlorodifluoromethane	ND	11
75-34-3	1,1-Dichloroethane	ND	5.7
107-06-2	1,2-Dichloroethane	ND	5.7
75-35-4	1,1-Dichloroethene	ND	5.7
156-59-2	cis-1,2-Dichloroethene	ND	5.7
156-60-5	trans-1,2-Dichloroethene	ND	5.7
78-87-5	1,2-Dichloropropane	ND	5.7
142-28-9	1,3-Dichloropropane	ND	5.7
590-20-7	2,2-Dichloropropane	ND	5.7
563-58-6	1,1-Dichloropropene	ND	5.7
10061-01-5	cis-1,3-Dichloropropene	ND	5.7
10061-02-6	trans-1,3-Dichloropropene	ND	5.7
60-29-7	Diethyl ether	ND	11
123-91-1	1,4-Dioxane	ND	23

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 6 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-24

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 16.4

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28529.D;J28745.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	57
100-41-4	Ethylbenzene	ND	5.7
87-68-3	Hexachlorobutadiene	ND	5.7
591-78-6	2-Hexanone	ND	11
98-82-8	Isopropylbenzene	ND	5.7
99-87-6	4-Isopropyltoluene	ND	5.7
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11
75-09-2	Methylene chloride	ND	5.7
91-20-3	Naphthalene	ND	5.7
103-65-1	n-Propylbenzene	ND	5.7
100-42-5	Styrene	ND	5.7
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	57
109-99-9	Tetrahydrofuran	ND	5.7
96-18-4	1,2,3-Trichloropropane	ND	5.7
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	45	5.7
108-88-3	Toluene	ND	5.7
87-61-6	1,2,3-Trichlorobenzene	ND	5.7
120-82-1	1,2,4-Trichlorobenzene	ND	5.7
71-55-6	1,1,1-Trichloroethane	ND	5.7
79-00-5	1,1,2-Trichloroethane	ND	5.7
79-01-6	Trichloroethene (TCE)	ND	5.7
75-69-4	Trichlorofluoromethane	ND	11
95-63-6	1,2,4-Trimethylbenzene	ND	5.7
108-67-8	1,3,5-Trimethylbenzene	ND	5.7
75-01-4	Vinyl chloride	ND	11
95-47-6	o-Xylene	ND	5.7
	m,p-Xylenes	ND	5.7
Surrogate	Recovery	Limits	
Bromofluorobenzene	78%	78%-111%	
1,2-Dichloroethane-d4	102%	91%-114%	
Toluene-d8	105%	86%-115%	

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	7	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061201-25
		Dilution (Target):	50
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	10.2
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6800	ug/kg
C9-C12 Aliphatics**	50	ND	6800	ug/kg
C9-C10 Aromatics***	50	ND	6800	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	102	70%-130%
2,5-dibromotoluene #2	112	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	340	ug/kg
Ethylbenzene	ND	340	ug/kg
Methyl tert-butyl ether (MTBE)	ND	68	ug/kg
Naphthalene	ND	340	ug/kg
Toluene	ND	340	ug/kg
m,p-Xylenes	ND	340	ug/kg
o-Xylene	ND	340	ug/kg



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 7

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-25

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 10.2

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28530.D;J28746.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	21
71-43-2	Benzene	ND	5.2
108-86-1	Bromobenzene	ND	5.2
74-97-5	Bromochloromethane	ND	5.2
75-27-4	Bromodichloromethane	ND	5.2
75-25-2	Bromoform	ND	5.2
74-83-9	Bromomethane	ND	10
78-93-3	2-Butanone (MEK)	ND	10
104-51-8	n-Butylbenzene	ND	5.2
135-98-8	sec-Butylbenzene	ND	5.2
98-06-6	tert-Butylbenzene	ND	5.2
75-15-0	Carbon disulfide	ND	5.2
56-23-5	Carbon tetrachloride	ND	5.2
108-90-7	Chlorobenzene	ND	5.2
75-00-3	Chloroethane	ND	10
67-66-3	Chloroform	ND	5.2
74-87-3	Chloromethane	ND	10
95-49-8	2-Chlorotoluene	ND	5.2
106-43-4	4-Chlorotoluene	ND	5.2
108-20-3	Di-isopropyl ether (DIPE)	ND	52
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.2
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.1
74-95-3	Dibromomethane	ND	5.2
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.2
106-46-7	1,4-Dichlorobenzene	ND	5.2
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	5.2
107-06-2	1,2-Dichloroethane	ND	5.2
75-35-4	1,1-Dichloroethene	ND	5.2
156-59-2	cis-1,2-Dichloroethene	ND	5.2
156-60-5	trans-1,2-Dichloroethene	ND	5.2
78-87-5	1,2-Dichloropropane	ND	5.2
142-28-9	1,3-Dichloropropane	ND	5.2
590-20-7	2,2-Dichloropropane	ND	5.2
563-58-6	1,1-Dichloropropene	ND	5.2
10061-01-5	cis-1,3-Dichloropropene	ND	5.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.2
60-29-7	Diethyl ether	ND	10
123-91-1	1,4-Dioxane	ND	21

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 7 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-25

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 10.2

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28530.D;J28746.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	52
100-41-4	Ethylbenzene	ND	5.2
87-68-3	Hexachlorobutadiene	ND	5.2
591-78-6	2-Hexanone	ND	10
98-82-8	Isopropylbenzene	ND	5.2
99-87-6	4-Isopropyltoluene	ND	5.2
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10
75-09-2	Methylene chloride	ND	5.2
91-20-3	Naphthalene	ND	5.2
103-65-1	n-Propylbenzene	ND	5.2
100-42-5	Styrene	ND	5.2
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	52
109-99-9	Tetrahydrofuran	ND	5.2
96-18-4	1,2,3-Trichloropropane	ND	5.2
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	11	5.2
108-88-3	Toluene	ND	5.2
87-61-6	1,2,3-Trichlorobenzene	ND	5.2
120-82-1	1,2,4-Trichlorobenzene	ND	5.2
71-55-6	1,1,1-Trichloroethane	ND	5.2
79-00-5	1,1,2-Trichloroethane	ND	5.2
79-01-6	Trichloroethene (TCE)	6.5	5.2
75-69-4	Trichlorofluoromethane	ND	10
95-63-6	1,2,4-Trimethylbenzene	ND	5.2
108-67-8	1,3,5-Trimethylbenzene	ND	5.2
75-01-4	Vinyl chloride	ND	10
95-47-6	o-Xylene	ND	5.2
	m,p-Xylenes	ND	5.2

Surrogate	Recovery	Limits
Bromofluorobenzene	68%	78%-111%
1,2-Dichloroethane-d4	96%	91%-114%
Toluene-d8	121%	86%-115%

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 8

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-26

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 50

Method: 8260B

Soil Extract Volume:

QC Batch#: 51012

Lab Data File: M32507.D;M32616.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	250
71-43-2	Benzene	ND	50
108-86-1	Bromobenzene	ND	50
74-97-5	Bromochloromethane	ND	50
75-27-4	Bromodichloromethane	ND	50
75-25-2	Bromoform	ND	50
74-83-9	Bromomethane	ND	50
78-93-3	2-Butanone (MEK)	ND	250
104-51-8	n-Butylbenzene	ND	50
135-98-8	sec-Butylbenzene	ND	50
98-06-6	tert-Butylbenzene	ND	50
75-15-0	Carbon disulfide	ND	50
56-23-5	Carbon tetrachloride	ND	50
108-90-7	Chlorobenzene	ND	50
75-00-3	Chloroethane	ND	50
67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	50
95-49-8	2-Chlorotoluene	ND	50
106-43-4	4-Chlorotoluene	ND	50
108-20-3	Di-isopropyl ether (DIPE)	ND	50
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	50
124-48-1	Dibromochloromethane	ND	50
106-93-4	1,2-Dibromoethane (EDB)	ND	50
74-95-3	Dibromomethane	ND	50
95-50-1	1,2-Dichlorobenzene	ND	50
541-73-1	1,3-Dichlorobenzene	ND	50
106-46-7	1,4-Dichlorobenzene	ND	50
75-71-8	Dichlorodifluoromethane	ND	50
75-34-3	1,1-Dichloroethane	ND	50
107-06-2	1,2-Dichloroethane	ND	50
75-35-4	1,1-Dichloroethene	ND	50
156-59-2	cis-1,2-Dichloroethene	ND	50
156-60-5	trans-1,2-Dichloroethene	ND	50
78-87-5	1,2-Dichloropropane	ND	50
142-28-9	1,3-Dichloropropane	ND	50
590-20-7	2,2-Dichloropropane	ND	50
563-58-6	1,1-Dichloropropene	ND	50
10061-01-5	cis-1,3-Dichloropropene	ND	50
10061-02-6	trans-1,3-Dichloropropene	ND	50
60-29-7	Diethyl ether	ND	50
123-91-1	1,4-Dioxane	ND	1000

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 8 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-26

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 50

Method: 8260B

Soil Extract Volume:

QC Batch#: 51012

Lab Data File: M32507.D;M32616.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	50
100-41-4	Ethylbenzene	ND	50
87-68-3	Hexachlorobutadiene	ND	50
591-78-6	2-Hexanone	ND	250
98-82-8	Isopropylbenzene	ND	50
99-87-6	4-Isopropyltoluene	ND	50
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	50
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250
75-09-2	Methylene chloride	ND	50
91-20-3	Naphthalene	ND	50
103-65-1	n-Propylbenzene	ND	50
100-42-5	Styrene	ND	50
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	50
109-99-9	Tetrahydrofuran	ND	50
96-18-4	1,2,3-Trichloropropane	ND	50
630-20-6	1,1,1,2-Tetrachloroethane	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	50
127-18-4	Tetrachloroethene (PCE)	ND	50
108-88-3	Toluene	ND	50
87-61-6	1,2,3-Trichlorobenzene	ND	50
120-82-1	1,2,4-Trichlorobenzene	ND	50
71-55-6	1,1,1-Trichloroethane	ND	50
79-00-5	1,1,2-Trichloroethane	ND	50
79-01-6	Trichloroethene (TCE)	ND	50
75-69-4	Trichlorofluoromethane	ND	50
95-63-6	1,2,4-Trimethylbenzene	ND	50
108-67-8	1,3,5-Trimethylbenzene	ND	50
75-01-4	Vinyl chloride	ND	50
95-47-6	o-Xylene	ND	50
	m,p-Xylenes	ND	50

Surrogate	Recovery	Limits
Bromofluorobenzene	93%	87%-105%
1,2-Dichloroethane-d4	94%	91%-109%
Toluene-d8	104%	92%-105%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	1	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061201-19
		Dilution (Target):	1
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/01/06	Percent Moisture:	8.2
Date Analyzed:	12/07/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	ND	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	52	40%-140%
2-Bromonaphthalene	68	40%-140%
2-Fluorobiphenyl	69	40%-140%
o-Terphenyl	40	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	ND	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	ND	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	ND	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	ND	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	ND	110	ug/kg
Pyrene	ND	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 1

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-19

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.2

Date Extracted: 12/07/06 By: AKB

Sample Weight/Volume: 30.07 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#:

Lab Data File: 4120822.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	14
11104-28-2	Aroclor 1221	ND	14
11141-16-5	Aroclor 1232	ND	14
53469-21-9	Aroclor 1242	ND	14
12672-29-6	Aroclor 1248	ND	14
11097-69-1	Aroclor 1254	ND	14
11096-82-5	Aroclor 1260	ND	14

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	67%	30%-150%
Decachlorobiphenyl	74%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	2	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061201-20
		Dilution (Target):	1
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/01/06	Percent Moisture:	13.7
Date Analyzed:	12/07/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	ND	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	53	40%-140%
2-Bromonaphthalene	77	40%-140%
2-Fluorobiphenyl	80	40%-140%
o-Terphenyl	52	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	ND	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	ND	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	ND	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	ND	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	ND	110	ug/kg
Pyrene	ND	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 2

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-20

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 13.7

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.01 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#:

Lab Data File: 4120836.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	15
11104-28-2	Aroclor 1221	ND	15
11141-16-5	Aroclor 1232	ND	15
53469-21-9	Aroclor 1242	ND	15
12672-29-6	Aroclor 1248	ND	15
11097-69-1	Aroclor 1254	ND	15
11096-82-5	Aroclor 1260	ND	15

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	53%	30%-150%
Decachlorobiphenyl	55%	30%-150%



### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	3	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061201-21
		Dilution (Target):	1
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/01/06	Percent Moisture:	8.5
Date Analyzed:	12/07/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	10000	ug/kg
C19-C36 Aliphatics	1	ND	10000	ug/kg
C11-C22 Aromatics*	1	25000	10000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	78	40%-140%
2-Bromonaphthalene	63	40%-140%
2-Fluorobiphenyl	66	40%-140%
o-Terphenyl	58	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	100	ug/kg
Acenaphthene	ND	100	ug/kg
Acenaphthylene	200	100	ug/kg
Anthracene	250	100	ug/kg
Benzo[a]anthracene	1500	100	ug/kg
Benzo[a]pyrene	2000	100	ug/kg
Benzo[b]fluoranthene	2000	100	ug/kg
Benzo[g,h,i]perylene	ND	100	ug/kg
Benzo[k]fluoranthene	860	100	ug/kg
Chrysene	120	100	ug/kg
Dibenz[a,h]anthracene	ND	100	ug/kg
Fluoranthene	1300	100	ug/kg
Fluorene	ND	100	ug/kg
Indeno[1,2,3-cd]pyrene	260	100	ug/kg
Naphthalene	ND	100	ug/kg
Phenanthrene	260	100	ug/kg
Pyrene	1600	100	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 3

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-21

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.5

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.31 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#:

Lab Data File: 4120837.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	14
11104-28-2	Aroclor 1221	ND	14
11141-16-5	Aroclor 1232	ND	14
53469-21-9	Aroclor 1242	ND	14
12672-29-6	Aroclor 1248	ND	14
11097-69-1	Aroclor 1254	ND	14
11096-82-5	Aroclor 1260	ND	14

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	50%	30%-150%
Decachlorobiphenyl	53%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	4	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061201-22
		Dilution (Target):	1
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/01/06	Percent Moisture:	6.6
Date Analyzed:	12/07/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	10000	ug/kg
C19-C36 Aliphatics	1	ND	10000	ug/kg
C11-C22 Aromatics*	1	ND	10000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	55	40%-140%
2-Bromonaphthalene	66	40%-140%
2-Fluorobiphenyl	70	40%-140%
o-Terphenyl	40	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	100	ug/kg
Acenaphthene	ND	100	ug/kg
Acenaphthylene	ND	100	ug/kg
Anthracene	ND	100	ug/kg
Benzo[a]anthracene	ND	100	ug/kg
Benzo[a]pyrene	ND	100	ug/kg
Benzo[b]fluoranthene	ND	100	ug/kg
Benzo[g,h,i]perylene	ND	100	ug/kg
Benzo[k]fluoranthene	ND	100	ug/kg
Chrysene	ND	100	ug/kg
Dibenz[a,h]anthracene	ND	100	ug/kg
Fluoranthene	ND	100	ug/kg
Fluorene	ND	100	ug/kg
Indeno[1,2,3-cd]pyrene	ND	100	ug/kg
Naphthalene	ND	100	ug/kg
Phenanthrene	ND	100	ug/kg
Pyrene	ND	100	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 4

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-22

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 6.6

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.11 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51132

Lab Data File: 4120840.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	14
11104-28-2	Aroclor 1221	ND	14
11141-16-5	Aroclor 1232	ND	14
53469-21-9	Aroclor 1242	ND	14
12672-29-6	Aroclor 1248	ND	14
11097-69-1	Aroclor 1254	ND	14
11096-82-5	Aroclor 1260	ND	14

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	59%	30%-150%
Decachlorobiphenyl	53%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	5	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061201-23
		Dilution (Target):	1
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/11/06	Percent Moisture:	7.8
Date Analyzed:	12/12/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	18000	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	59	40%-140%
2-Bromonaphthalene	65	40%-140%
2-Fluorobiphenyl	69	40%-140%
o-Terphenyl	49	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	ND	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	ND	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	ND	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	ND	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	ND	110	ug/kg
Pyrene	ND	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

Location: Franklin, MA

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-23

PL Report No: E612024

PL Sample No: 5

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 7.8

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.08 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51132

Lab Data File: 4120841.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	14
11104-28-2	Aroclor 1221	ND	14
11141-16-5	Aroclor 1232	ND	14
53469-21-9	Aroclor 1242	ND	14
12672-29-6	Aroclor 1248	ND	14
11097-69-1	Aroclor 1254	ND	14
11096-82-5	Aroclor 1260	ND	14

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	84%	30%-150%
Decachlorobiphenyl	114%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	6	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061201-24
		Dilution (Target):	1
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/01/06	Percent Moisture:	16.4
Date Analyzed:	12/07/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	ND	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	69	40%-140%
2-Bromonaphthalene	62	40%-140%
2-Fluorobiphenyl	64	40%-140%
o-Terphenyl	60	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	ND	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	ND	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	ND	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	ND	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	ND	110	ug/kg
Pyrene	ND	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 6

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-24

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 16.4

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.78 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51132

Lab Data File: 4120842.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	16
11104-28-2	Aroclor 1221	ND	16
11141-16-5	Aroclor 1232	ND	16
53469-21-9	Aroclor 1242	ND	16
12672-29-6	Aroclor 1248	ND	16
11097-69-1	Aroclor 1254	ND	16
11096-82-5	Aroclor 1260	ND	16

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	72%	30%-150%
Decachlorobiphenyl	53%	30%-150%



### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612024	Location:	Franklin, MA
PL Sample No:	7	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061201-25
		Dilution (Target):	1
Date Collected:	12/1/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/01/06	Percent Moisture:	10.2
Date Analyzed:	12/07/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	16000	11000	ug/kg
C11-C22 Aromatics*	1	28000	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	45	40%-140%
2-Bromonaphthalene	71	40%-140%
2-Fluorobiphenyl	72	40%-140%
o-Terphenyl	42	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	120	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	490	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	290	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	ND	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	1300	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	940	110	ug/kg
Pyrene	1200	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612024

Location: Franklin, MA

PL Sample No: 7

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061201-25

Date Collected: 12/1/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 10.2

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.23 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51132

Lab Data File: 4120843.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	15
11104-28-2	Aroclor 1221	ND	15
11141-16-5	Aroclor 1232	ND	15
53469-21-9	Aroclor 1242	ND	15
12672-29-6	Aroclor 1248	ND	15
11097-69-1	Aroclor 1254	ND	15
11096-82-5	Aroclor 1260	ND	15

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	65%	30%-150%
Decachlorobiphenyl	61%	30%-150%



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- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203

- ☒ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other \_\_\_\_\_

Turnaround

- ☐ 1 Day\*
- ☐ 2 Days\*
- ☒ 3 Days\*
- ☒ Standard (\_\_\_\_ days)
- ☐ Other \_\_\_\_\_ (days)
- \*Surcharge Applies

# CHAIN-OF-CUSTODY RECORD

10635

PROJECT NAME

Nu-Style Phase II

PROJECT LOCATION

Franklin, MA

PROJECT NUMBER

20050458-B10

LABORATORY

Premier

REPORT TO: David Foss

INVOICE TO: David Foss

P.O. NO.: 84120050458-B10

Sampler's Signature: [Signature]

Date: 12/1/06

Source Codes:

MW=Monitoring Well

PW=Potable Water

S=Soil

W=Waste

SW=Surface Water

T=Treatment Facility

B=Bottom Sediment

A=Air

X=Other Medi (T.B.)

Analysis Request

Containers

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled											Comments
	1	2	3	4															
1	✓				841061201-19	S	12/1/06	0910	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2					-20		12/1/06	0920	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3					-21			1020	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4					-22			1035	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5					-23			1110	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
6					-24			1130	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
7					-25			1150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8	✓				-26	X		1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Trip Blank

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<u>[Signature]</u>	<u>[Signature]</u>	12/1/06	1215	MADEP Data Enhanced Project, MADEPS-1 Standard
2	<u>[Signature]</u>	<u>[Signature]</u>	12.1.06	1345	Additional Comments:
3					- See attached QA/QC checklist
4					



**Modified Tier I  
Data Validation Narrative  
and Certification**

**Project: 20050458B10, Former Nu-Style Company, Inc. Facility**

**Premier Laboratory Project Number:** E612529

**Date Samples Received at Laboratory:** 12/11/2006

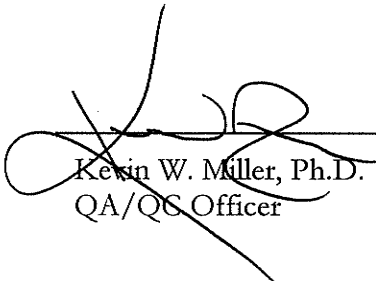
**Date of Review:** 1/11/2007

Six aqueous samples, including one field duplicate, were collected by low-flow methodology and submitted to Premier Laboratory, LLC in Dayville, Connecticut for analysis of volatile organic compounds (VOCs) by EPA Method 8260B, priority pollutant metals plus barium by EPA Methods 6010B and 7471, and petroleum hydrocarbons by Massachusetts Department of Environmental Protection (MADEP) Methods Extractable Petroleum Hydrocarbons (EPH) and Volatile Petroleum Hydrocarbons (VPH). One aqueous trip blank was also submitted for analysis of VOCs by EPA Method 8260B. Dedicated sampling equipment was employed; therefore, no equipment blank was indicated.

Samples were analyzed within method-specified holding times and in accordance with the Massachusetts Contingency Plan (MCP) Compendium of Analytical Methods (CAM) data enhancement protocols.

I certify that the field and laboratory data associated with the above referenced project, to the best of my knowledge with the exceptions noted above, are compliant with the Quality Assurance Project Plan for the Former Nu-Style Company, Inc. Facility located in Franklin, Massachusetts dated September 2006.

Certified by:

  
\_\_\_\_\_  
Kevin W. Miller, Ph.D.  
QA/QC Officer



**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
MODIFIED TIER I COMPLETENESS CHECKLIST**

	<u>YES</u>	<u>NO</u>
<b>1. SAMPLING AND FIELD MEASUREMENTS:</b>		
Field measurement calibration records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Groundwater field measurements (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Soil sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Sediment sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Surface water sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Low-flow sampling field measurements (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Documentation of field activities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample numbering and labeling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicate samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A
<b>2. LABORATORY MEASUREMENTS:</b>		
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Instrument blanks	<input type="checkbox"/>	<input type="checkbox"/>
Laboratory control samples	<input type="checkbox"/>	<input type="checkbox"/>
Duplicates samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Matrix spike/matrix spike duplicates	<input type="checkbox"/>	<input type="checkbox"/>
Analysis type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Surrogate recoveries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A

TOTAL: \_\_\_\_\_

PERCENT COMPLETE: \_\_\_\_\_ %



Premier Laboratory, LLC  
61 Louisa Viens Drive  
Dayville, CT 06241  
Telephone: 860-774-6814 Fax: 860-774-26A9

## **ANALYTICAL DATA & QUALITY CONTROL REPORT**

Report Number: **E612529**  
Project: **20050458.B10/Nu-Style Phase II**

Fuss & O'Neill  
275 Promenade Street  
Providence, RI 02908

Attn: David Foss





Premier  
Laboratory, LLC

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

## ANALYTICAL DATA REPORT

Report Number: E612529  
Project: 20050458.B10/Nu-Style Phase II

prepared for:

Fuss & O'Neill  
275 Promenade Street  
Providence, RI 02908

Attn: David Foss

Received Date: 12/11/2006  
Report Date: 12/19/2006

Premier Laboratory, LLC  
Authorized Signature




Certifications:  
CT (PH-0465), MA (M-CT008), ME (CT050), NH (2020), NJ (CT002), NY (11549), RI (RI246)



# Premier Laboratory, LLC

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Premier Laboratory, LLC			Project #: E612529		
Project Location: Franklin, MA			MADEP RTN <sup>1</sup> :		
This Form provides certifications for the following data set:[list Laboratory Sample ID Number(s)] 1, 2, 3, 4, 5, 6, 7					
Sample Matrices: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Soil/Sediment <input type="checkbox"/> Drinking Water <input type="checkbox"/> Other					
<b>MCP SW-846 Methods Used</b> As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8260B <input checked="" type="checkbox"/>	8151A <input type="checkbox"/>	8330 <input type="checkbox"/>	6010B <input checked="" type="checkbox"/>	7470A/1A <input checked="" type="checkbox"/>
	8270C <input type="checkbox"/>	8081A <input type="checkbox"/>	VPH <input checked="" type="checkbox"/>	6020 <input type="checkbox"/>	9014M <sup>2</sup> <input type="checkbox"/>
	8082 <input type="checkbox"/>	8021B <input type="checkbox"/>	EPH <input checked="" type="checkbox"/>	7000 S <sup>3</sup> <input type="checkbox"/>	7196A <input type="checkbox"/>
1 List Release Tracking Number (RTN), if known 2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method 3 S - SW-846 Methods 7000 Series List individual method and analyte.					
<b>An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status</b>					
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 (a),(b),(c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
D	<b>VPH and EPH Methods only:</b> Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>A response to questions E and F below is required for "Presumptive Certainty" status</b>					
E	Were all QC performance standards and recommendations for the specified methods achieved?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<sup>1</sup> All NO answers must be addressed in an attached Environmental Laboratory case narrative.					
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.					
Signature: 			Position: Laboratory Director		
Printed Name: Ronald Warila			Date: 12/19/2006		





Report No: E612529  
Client: Fuss & O'Neill  
Project: 20050458.B10/Nu-Style Phase II

## **CASE NARRATIVE / METHOD CONFORMANCE SUMMARY**

Premier Laboratory received seven samples from Fuss & O'Neill on 12/11/2006. The samples were analyzed from the following list of analyses:

Extractable Petroleum Hydrocarbon (EPH)

MADEP EPH[MADEP EPH]

Volatile Petroleum Hydrocarbon (VPH)

MADEP VPH

Trace Priority Pollutant (13) Metals in Water

6010B[3000], 7470A[245.1]

Volatiles by 8260B (GA/GW-1/S-1)

8260B

### **Variances:**

#### **SDG:**

None reported.

#### **Method:**

None reported.

### **QA/QC:**

Sample 1C, 841061208-27, Volatiles by 8260B (GA/GW-1/S-1): One surrogate spike was outside quality control limits for the matrix spike/matrix spike duplicate due to matrix interference. All surrogate recoveries were within limits for the sample.

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612529  
 Date Received: 12/11/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
-----------	--------	----	-------	-----------	----	----------

**(1) 841061208-27**

**Date Collected: 12/8/2006**      **Matrix: Aqueous**

Trace Metals by 6010B

Antimony	ND	0.010	mg/L	12/18/06	BSZ
Arsenic	ND	0.010	mg/L	12/18/06	BSZ
Barium	0.042	0.010	mg/L	12/18/06	BSZ
Beryllium	ND	0.0010	mg/L	12/18/06	BSZ
Cadmium	ND	0.0020	mg/L	12/18/06	BSZ
Chromium	ND	0.010	mg/L	12/18/06	BSZ
Copper	ND	0.010	mg/L	12/18/06	BSZ
Lead	0.014	0.0040	mg/L	12/18/06	BSZ
Nickel	ND	0.010	mg/L	12/18/06	BSZ
Selenium	ND	0.010	mg/L	12/18/06	BSZ
Silver	ND	0.0020	mg/L	12/18/06	BSZ
Thallium	ND	0.0050	mg/L	12/18/06	BSZ
Zinc	0.023	0.010	mg/L	12/18/06	BSZ
Mercury by SW-846 7470A in GW	ND	0.00020	mg/L	12/14/06	AM

**(2) 841061208-28**

**Date Collected: 12/8/2006**      **Matrix: Aqueous**

Trace Metals by 6010B

Antimony	ND	0.010	mg/L	12/18/06	BSZ
Arsenic	ND	0.010	mg/L	12/18/06	BSZ
Barium	0.038	0.010	mg/L	12/18/06	BSZ
Beryllium	ND	0.0010	mg/L	12/18/06	BSZ
Cadmium	ND	0.0020	mg/L	12/18/06	BSZ
Chromium	ND	0.010	mg/L	12/18/06	BSZ
Copper	ND	0.010	mg/L	12/18/06	BSZ
Lead	0.012	0.0040	mg/L	12/18/06	BSZ
Nickel	ND	0.010	mg/L	12/18/06	BSZ
Selenium	ND	0.010	mg/L	12/18/06	BSZ
Silver	ND	0.0020	mg/L	12/18/06	BSZ
Thallium	ND	0.0050	mg/L	12/18/06	BSZ
Zinc	0.015	0.010	mg/L	12/18/06	BSZ
Mercury by SW-846 7470A in GW	ND	0.00020	mg/L	12/14/06	AM

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612529  
 Date Received: 12/11/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
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**(3) 841061208-29**

**Date Collected: 12/8/2006**      **Matrix: Aqueous**

Trace Metals by 6010B

Antimony	ND	0.010	mg/L	12/18/06	BSZ
Arsenic	ND	0.010	mg/L	12/18/06	BSZ
Barium	0.14	0.010	mg/L	12/18/06	BSZ
Beryllium	ND	0.0010	mg/L	12/18/06	BSZ
Cadmium	ND	0.0020	mg/L	12/18/06	BSZ
Chromium	ND	0.010	mg/L	12/18/06	BSZ
Copper	ND	0.010	mg/L	12/18/06	BSZ
Lead	ND	0.0040	mg/L	12/18/06	BSZ
Nickel	0.017	0.010	mg/L	12/18/06	BSZ
Selenium	ND	0.010	mg/L	12/18/06	BSZ
Silver	ND	0.0020	mg/L	12/18/06	BSZ
Thallium	ND	0.0050	mg/L	12/18/06	BSZ
Zinc	0.028	0.010	mg/L	12/18/06	BSZ
Mercury by SW-846 7470A in GW	ND	0.00020	mg/L	12/14/06	AM

**(4) 841061208-30**

**Date Collected: 12/8/2006**      **Matrix: Aqueous**

Trace Metals by 6010B

Antimony	ND	0.010	mg/L	12/18/06	BSZ
Arsenic	ND	0.010	mg/L	12/18/06	BSZ
Barium	0.15	0.010	mg/L	12/18/06	BSZ
Beryllium	ND	0.0010	mg/L	12/18/06	BSZ
Cadmium	ND	0.0020	mg/L	12/18/06	BSZ
Chromium	ND	0.010	mg/L	12/18/06	BSZ
Copper	0.015	0.010	mg/L	12/18/06	BSZ
Lead	ND	0.0040	mg/L	12/18/06	BSZ
Nickel	0.15	0.010	mg/L	12/18/06	BSZ
Selenium	ND	0.010	mg/L	12/18/06	BSZ
Silver	ND	0.0020	mg/L	12/18/06	BSZ
Thallium	ND	0.0050	mg/L	12/18/06	BSZ
Zinc	0.057	0.010	mg/L	12/18/06	BSZ
Mercury by SW-846 7470A in GW	ND	0.00020	mg/L	12/14/06	AM

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612529  
 Date Received: 12/11/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
-----------	--------	----	-------	-----------	----	----------

**(5) 841061208-31**

**Date Collected: 12/8/2006**      **Matrix: Aqueous**

Trace Metals by 6010B

Antimony	ND	0.010	mg/L	12/18/06	BSZ
Arsenic	ND	0.010	mg/L	12/18/06	BSZ
Barium	0.83	0.010	mg/L	12/18/06	BSZ
Beryllium	0.0018	0.0010	mg/L	12/18/06	BSZ
Cadmium	0.0034	0.0020	mg/L	12/18/06	BSZ
Chromium	0.092	0.010	mg/L	12/18/06	BSZ
Copper	0.073	0.010	mg/L	12/18/06	BSZ
Lead	1.9	0.0040	mg/L	12/18/06	BSZ
Nickel	0.12	0.010	mg/L	12/18/06	BSZ
Selenium	ND	0.010	mg/L	12/18/06	BSZ
Silver	ND	0.0020	mg/L	12/18/06	BSZ
Thallium	ND	0.0050	mg/L	12/18/06	BSZ
Zinc	0.73	0.010	mg/L	12/18/06	BSZ
Mercury by SW-846 7470A in GW	ND	0.00020	mg/L	12/14/06	AM

**(6) 841061208-32**

**Date Collected: 12/8/2006**      **Matrix: Aqueous**

Trace Metals by 6010B

Antimony	ND	0.010	mg/L	12/18/06	BSZ
Arsenic	ND	0.010	mg/L	12/18/06	BSZ
Barium	0.21	0.010	mg/L	12/18/06	BSZ
Beryllium	0.0087	0.0010	mg/L	12/18/06	BSZ
Cadmium	ND	0.0020	mg/L	12/18/06	BSZ
Chromium	0.036	0.010	mg/L	12/18/06	BSZ
Copper	0.018	0.010	mg/L	12/18/06	BSZ
Lead	0.098	0.0040	mg/L	12/18/06	BSZ
Nickel	0.054	0.010	mg/L	12/18/06	BSZ
Selenium	ND	0.010	mg/L	12/18/06	BSZ
Silver	ND	0.0020	mg/L	12/18/06	BSZ
Thallium	ND	0.0050	mg/L	12/18/06	BSZ
Zinc	0.17	0.010	mg/L	12/18/06	BSZ
Mercury by SW-846 7470A in GW	ND	0.00020	mg/L	12/14/06	AM

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	1	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-27
		Dilution (Target):	1
Date Collected:	12/8/2006	Matrix:	Aqueous
Date Received:	12/11/2006	Percent Moisture:	N/A
Date Analyzed:	12/12/06	Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	1	ND	100	ug/L
C9-C12 Aliphatics**	1	ND	100	ug/L
C9-C10 Aromatics***	1	ND	100	ug/L

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	72	70%-130%
2,5-dibromotoluene #2	72	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
Naphthalene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
m,p-Xylenes	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 1

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-27

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32643.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
108-20-3	Di-isopropyl ether (DIPE)	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 1 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-27

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32643.D

Units: ug/L

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
1748-03-8	Tertiary-amyl methyl ether (TAME)	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	ND	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
	m,p-Xylenes	ND	1.0

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	107%	91%-109%
Bromofluorobenzene	90%	87%-105%
Toluene-d8	104%	92%-105%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	2	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-28
		Dilution (Target):	1
Date Collected:	12/8/2006	Matrix:	Aqueous
Date Received:	12/11/2006	Percent Moisture:	N/A
Date Analyzed:	12/13/06	Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	1	ND	100	ug/L
C9-C12 Aliphatics**	1	ND	100	ug/L
C9-C10 Aromatics***	1	ND	100	ug/L

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	78	70%-130%
2,5-dibromotoluene #2	85	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
Naphthalene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
m,p-Xylenes	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 2

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-28

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32644.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
108-20-3	Di-isopropyl ether (DIPE)	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 2 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-28

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32644.D

Units: ug/L

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
1748-03-8	Tertiary-amyl methyl ether (TAME)	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	ND	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
	m,p-Xylenes	ND	1.0

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	108%	91%-109%
Bromofluorobenzene	88%	87%-105%
Toluene-d8	103%	92%-105%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	3	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-29
		Dilution (Target):	1
Date Collected:	12/8/2006	Matrix:	Aqueous
Date Received:	12/11/2006	Percent Moisture:	N/A
Date Analyzed:	12/13/06	Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	1	ND	100	ug/L
C9-C12 Aliphatics**	1	ND	100	ug/L
C9-C10 Aromatics***	1	ND	100	ug/L

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	78	70%-130%
2,5-dibromotoluene #2	85	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Methyl tert-butyl ether (MTBE)	2.1	1.0	ug/L
Naphthalene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
m,p-Xylenes	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 3

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-29

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/13/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51243

Lab Data File: J28736.D;M32648.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
108-20-3	Di-isopropyl ether (DIPE)	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	8.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 3 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-29

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/13/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51243

Lab Data File: J28736.D;M32648.D

Units: ug/L

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	1.8	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
1748-03-8	Tertiary-amyl methyl ether (TAME)	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	240	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	1.8	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	150	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
	m,p-Xylenes	ND	1.0

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	100%	91%-109%
Bromofluorobenzene	89%	87%-105%
Toluene-d8	103%	92%-105%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	4	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-30
		Dilution (Target):	1
Date Collected:	12/8/2006	Matrix:	Aqueous
Date Received:	12/11/2006	Percent Moisture:	N/A
Date Analyzed:	12/13/06	Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	1	ND	100	ug/L
C9-C12 Aliphatics**	1	ND	100	ug/L
C9-C10 Aromatics***	1	ND	100	ug/L

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	75	70%-130%
2,5-dibromotoluene #2	81	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
Naphthalene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
m,p-Xylenes	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 4

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-30

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32645.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
108-20-3	Di-isopropyl ether (DIPE)	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 4 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-30

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32645.D

Units: ug/L

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
1748-03-8	Tertiary-amyl methyl ether (TAME)	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	6.6	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	6.6	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
	m,p-Xylenes	ND	1.0

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	108%	91%-109%
Bromofluorobenzene	89%	87%-105%
Toluene-d8	101%	92%-105%



### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	5	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-31
		Dilution (Target):	1
Date Collected:	12/8/2006	Matrix:	Aqueous
Date Received:	12/11/2006	Percent Moisture:	N/A
Date Analyzed:	12/13/06	Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	1	ND	100	ug/L
C9-C12 Aliphatics**	1	ND	100	ug/L
C9-C10 Aromatics***	1	ND	100	ug/L

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	79	70%-130%
2,5-dibromotoluene #2	84	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
Naphthalene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
m,p-Xylenes	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 5

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-31

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32646.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
108-20-3	Di-isopropyl ether (DIPE)	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 5 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-31

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32646.D

Units: ug/L

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
1748-03-8	Tertiary-amyl methyl ether (TAME)	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	ND	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
	m,p-Xylenes	ND	1.0

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	108%	91%-109%
Bromofluorobenzene	89%	87%-105%
Toluene-d8	103%	92%-105%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	6	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-32
		Dilution (Target):	1
Date Collected:	12/8/2006	Matrix:	Aqueous
Date Received:	12/11/2006	Percent Moisture:	N/A
Date Analyzed:	12/13/06	Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	1	ND	100	ug/L
C9-C12 Aliphatics**	1	ND	100	ug/L
C9-C10 Aromatics***	1	ND	100	ug/L

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	75	70%-130%
2,5-dibromotoluene #2	79	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
Naphthalene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
m,p-Xylenes	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 6

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-32

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32647.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
108-20-3	Di-isopropyl ether (DIPE)	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 6 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-32

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32647.D

Units: ug/L

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
1748-03-8	Tertiary-amyl methyl ether (TAME)	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	43	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	40	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
	m,p-Xylenes	ND	1.0

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	108%	91%-109%
Bromofluorobenzene	89%	87%-105%
Toluene-d8	101%	92%-105%

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 7

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-33

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32639.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	1.0
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
108-20-3	Di-isopropyl ether (DIPE)	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612529

Location: Franklin, MA

PL Sample No: 7 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061208-33

Date Collected: 12/8/2006

Matrix: Aqueous

Date Received: 12/11/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/14/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 51242

Lab Data File: M32639.D

Units: ug/L

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	1.0
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
1748-03-8	Tertiary-amyl methyl ether (TAME)	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	ND	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
	m,p-Xylenes	ND	1.0

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	107%	91%-109%
Bromofluorobenzene	91%	87%-105%
Toluene-d8	104%	92%-105%



### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	1	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-27
		Dilution (Target):	1
Date Collected:	12/8/2006		
Date Received:	12/11/2006	Matrix:	Aqueous
Date Extracted:	12/12/06	Percent Moisture:	N/A
Date Analyzed:	12/13/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	100	ug/L
C19-C36 Aliphatics	1	ND	100	ug/L
C11-C22 Aromatics*	1	ND	100	ug/L

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	76	40%-140%
2-Bromonaphthalene	101	40%-140%
2-Fluorobiphenyl	95	40%-140%
o-Terphenyl	72	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	1.0	ug/L
Acenaphthene	ND	1.0	ug/L
Acenaphthylene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Benzo[a]anthracene	ND	1.0	ug/L
Benzo[a]pyrene	ND	0.20	ug/L
Benzo[b]fluoranthene	ND	1.0	ug/L
Benzo[g,h,i]perylene	ND	0.50	ug/L
Benzo[k]fluoranthene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
Dibenz[a,h]anthracene	ND	0.50	ug/L
Fluoranthene	ND	1.0	ug/L
Fluorene	ND	1.0	ug/L
Indeno[1,2,3-cd]pyrene	ND	0.50	ug/L
Naphthalene	ND	1.0	ug/L
Phenanthrene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	2	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-28
		Dilution (Target):	1
Date Collected:	12/8/2006		
Date Received:	12/11/2006	Matrix:	Aqueous
Date Extracted:	12/12/06	Percent Moisture:	N/A
Date Analyzed:	12/13/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	100	ug/L
C19-C36 Aliphatics	1	ND	100	ug/L
C11-C22 Aromatics*	1	ND	100	ug/L

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	73	40%-140%
2-Bromonaphthalene	100	40%-140%
2-Fluorobiphenyl	94	40%-140%
o-Terphenyl	72	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	1.0	ug/L
Acenaphthene	ND	1.0	ug/L
Acenaphthylene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Benzo[a]anthracene	ND	1.0	ug/L
Benzo[a]pyrene	ND	0.20	ug/L
Benzo[b]fluoranthene	ND	1.0	ug/L
Benzo[g,h,i]perylene	ND	0.50	ug/L
Benzo[k]fluoranthene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
Dibenz[a,h]anthracene	ND	0.50	ug/L
Fluoranthene	ND	1.0	ug/L
Fluorene	ND	1.0	ug/L
Indeno[1,2,3-cd]pyrene	ND	0.50	ug/L
Naphthalene	ND	1.0	ug/L
Phenanthrene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	3	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-29
		Dilution (Target):	1
Date Collected:	12/8/2006		
Date Received:	12/11/2006	Matrix:	Aqueous
Date Extracted:	12/12/06	Percent Moisture:	N/A
Date Analyzed:	12/12/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	100	ug/L
C19-C36 Aliphatics	1	ND	100	ug/L
C11-C22 Aromatics*	1	ND	100	ug/L

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	70	40%-140%
2-Bromonaphthalene	96	40%-140%
2-Fluorobiphenyl	91	40%-140%
o-Terphenyl	69	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	1.0	ug/L
Acenaphthene	ND	1.0	ug/L
Acenaphthylene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Benzo[a]anthracene	ND	1.0	ug/L
Benzo[a]pyrene	ND	0.20	ug/L
Benzo[b]fluoranthene	ND	1.0	ug/L
Benzo[g,h,i]perylene	ND	0.50	ug/L
Benzo[k]fluoranthene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
Dibenz[a,h]anthracene	ND	0.50	ug/L
Fluoranthene	ND	1.0	ug/L
Fluorene	ND	1.0	ug/L
Indeno[1,2,3-cd]pyrene	ND	0.50	ug/L
Naphthalene	ND	1.0	ug/L
Phenanthrene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	4	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-30
		Dilution (Target):	1
Date Collected:	12/8/2006		
Date Received:	12/11/2006	Matrix:	Aqueous
Date Extracted:	12/12/06	Percent Moisture:	N/A
Date Analyzed:	12/13/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	100	ug/L
C19-C36 Aliphatics	1	ND	100	ug/L
C11-C22 Aromatics*	1	ND	100	ug/L

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	51	40%-140%
2-Bromonaphthalene	68	40%-140%
2-Fluorobiphenyl	70	40%-140%
o-Terphenyl	45	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	1.0	ug/L
Acenaphthene	ND	1.0	ug/L
Acenaphthylene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Benzo[a]anthracene	ND	1.0	ug/L
Benzo[a]pyrene	ND	0.20	ug/L
Benzo[b]fluoranthene	ND	1.0	ug/L
Benzo[g,h,i]perylene	ND	0.50	ug/L
Benzo[k]fluoranthene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
Dibenz[a,h]anthracene	ND	0.50	ug/L
Fluoranthene	ND	1.0	ug/L
Fluorene	ND	1.0	ug/L
Indeno[1,2,3-cd]pyrene	ND	0.50	ug/L
Naphthalene	ND	1.0	ug/L
Phenanthrene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	5	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-31
		Dilution (Target):	1
Date Collected:	12/8/2006		
Date Received:	12/11/2006	Matrix:	Aqueous
Date Extracted:	12/12/06	Percent Moisture:	N/A
Date Analyzed:	12/13/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	100	ug/L
C19-C36 Aliphatics	1	ND	100	ug/L
C11-C22 Aromatics*	1	ND	100	ug/L

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	50	40%-140%
2-Bromonaphthalene	72	40%-140%
2-Fluorobiphenyl	77	40%-140%
o-Terphenyl	51	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	1.0	ug/L
Acenaphthene	ND	1.0	ug/L
Acenaphthylene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Benzo[a]anthracene	ND	1.0	ug/L
Benzo[a]pyrene	ND	0.20	ug/L
Benzo[b]fluoranthene	ND	1.0	ug/L
Benzo[g,h,i]perylene	ND	0.50	ug/L
Benzo[k]fluoranthene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
Dibenz[a,h]anthracene	ND	0.50	ug/L
Fluoranthene	ND	1.0	ug/L
Fluorene	ND	1.0	ug/L
Indeno[1,2,3-cd]pyrene	ND	0.50	ug/L
Naphthalene	ND	1.0	ug/L
Phenanthrene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612529	Location:	Franklin, MA
PL Sample No:	6	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841061208-32
		Dilution (Target):	1
Date Collected:	12/8/2006		
Date Received:	12/11/2006	Matrix:	Aqueous
Date Extracted:	12/12/06	Percent Moisture:	N/A
Date Analyzed:	12/13/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	100	ug/L
C19-C36 Aliphatics	1	ND	100	ug/L
C11-C22 Aromatics*	1	ND	100	ug/L

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	55	40%-140%
2-Bromonaphthalene	100	40%-140%
2-Fluorobiphenyl	95	40%-140%
o-Terphenyl	72	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	1.0	ug/L
Acenaphthene	ND	1.0	ug/L
Acenaphthylene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Benzo[a]anthracene	ND	1.0	ug/L
Benzo[a]pyrene	ND	0.20	ug/L
Benzo[b]fluoranthene	ND	1.0	ug/L
Benzo[g,h,i]perylene	ND	0.50	ug/L
Benzo[k]fluoranthene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
Dibenz[a,h]anthracene	ND	0.50	ug/L
Fluoranthene	ND	1.0	ug/L
Fluorene	ND	1.0	ug/L
Indeno[1,2,3-cd]pyrene	ND	0.50	ug/L
Naphthalene	ND	1.0	ug/L
Phenanthrene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L



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**E612529 (AB)**

# CHAIN-OF-CUSTODY RECORD

**10636**

Turnaround

- ☐ 1 Day\*
- ☐ 2 Days\*
- ☐ 3 Days\*
- ☒ Standard (\_\_\_\_ days)
- ☐ Other \_\_\_\_\_ (days)
- \*Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

New-Style Phase II

Franklin, MA

20050458-B10

Premier

REPORT TO: David Foss

INVOICE TO: David Foss

P.O. No.: 841 20050458-B10

Sampler's Signature: [Signature]

Date: 12/8/06

Source Codes:

MW=Monitoring Well

PW=Potable Water

S=Soil

W=Waste

SW=Surface Water

T=Treatment Facility

B=Bottom Sediment

A=Air

X=Other Trip Blank

Analysis Request

Containers

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled													Comments
	1	2	3	4																	
1	✓				841061208-27	MW	12/8/06	1052	✓	✓	✓	✓	✓								
2					-28			1052													
3					-29			1214													
4					-30			1332													
5					-31			1515													
6					-32	✓		1445	✓	✓	✓	✓	✓								
7	✓				-33	X	✓	1630	✓												Trip Blank

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<u>[Signature]</u>	<u>F30 Office</u>	<u>12/8/06</u>	<u>1720</u>	<u>MADEP Data Enhancement Project, MADEP GW-1 standard</u>
2	<u>F30 Office</u>	<u>[Signature]</u>	<u>12/11/06</u>	<u>0903</u>	<u>-see attached QA/QC checklist</u>
3	<u>[Signature]</u>	<u>[Signature]</u>	<u>12/11/06</u>	<u>905</u>	
4	<u>[Signature]</u>	<u>P. Ladero</u>	<u>12/11/06</u>	<u>1320</u>	



**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS**

**PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\***

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
1. SDG Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Traffic Report	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
3. Volatiles Data			
a. Sample Data			
Target Compound List (TCL) Results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Reconstructed total ion chromatograms (RIC) for each Sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For each sample:			
Raw spectra and background-subtracted mass spectra of target compounds identified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Percent solids calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Standards Data (all instruments)			
Initial Calibration Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal Standard Area Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Raw QC Data			
Blank Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>For 8260 analysis only</u>
4. Semivolatiles Data			
a. QC Summary			
Surrogate Percent Recovery Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MS/MSD Summary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Method Blank Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	





**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS  
(Continued)**

PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS?\*

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
b. Sample Data			
TCL Results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tentatively Identified Compounds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reconstructed total ion chromatograms (RIC) for each Sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For each sample:			
Raw spectra and background-subtracted mass spectra of TCL compounds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Mass spectra of TICs with 3 best library matches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
GPC chromatograms (if GPC performed)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
c. Standards Data (all instruments)			
Initial Calibration Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal Standard Areas Summary	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Internal Standard Areas Summary	<input type="checkbox"/>	<input type="checkbox"/>	N/A
d. Raw QC Data			
Decafluorotriphenylphosphine (DFTPP)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Blank Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Matrix Spike Duplicate Data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Miscellaneous Data			
Original preparation and analysis forms or copies of preparation and analysis log book pages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal sample & sample extract transfer chain-of custody records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Screening Records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
All instrument output, including strip charts from screening activities (describe or list)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	



PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS  
(Continued)

PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS？\*\*

	YES	NO	COMMENTS
6. Chain-of-Custody Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sample Log-in Sheet (Lab & DC1)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Miscellaneous Shipping/Receiving Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
<hr/>			
7. Internal Lab Sample Transfer Records and Tracking			
Sheets (describe or list)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<i>sample transfer log book</i>			
<hr/>			
8. Other Records (describe or list)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<i>instrument run log book</i>			
<hr/>			
9. Comments:			
<hr/>			
<hr/>			
<hr/>			

\*\* See laboratory Quality Assurance Plan for limits.

Completed by: *[Signature]*  
(Lab) (Signature)

Michael McCallum  
(Printed Name/Title)

1/4/07  
Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: *[Signature]*  
(Lab) (Signature)

Robert Stevenson/Lab Director  
(Printed Name/Title)

1-15-07  
Date



PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
INORGANIC COMPOUNDS

PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\*

	YES	NO	COMMENTS
1. SDG Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Inorganic Analysis Data Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Initial and Continuing Calibration Verification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. CRDL Standard for AA and ICP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. ICP Interference Check Sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Spike Sample Recovery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Post Digest Spike Sample Recovery	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NA
9. Duplicates	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Laboratory Control Sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Standard Addition Results	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12. ICP Serial Dilutions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Instrument Detection Limits, Quarterly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14. ICP Interelement Correction Factors, Annually	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15. ICP Linear Ranges Quarterly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16. Preparation Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17. Analysis Run Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
18. ICP Raw Data	<input type="checkbox"/>	<input type="checkbox"/>	
19. Furnace AA Raw Data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NA
20. Mercury Raw Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
21. Percent Solids Calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
22. Digestion Logs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
23. EPA Shipping/Receiving Records (List all individual records)	<input type="checkbox"/>	<input type="checkbox"/>	
Chain-of Custody Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sample Log-In sheet	<input type="checkbox"/>	<input type="checkbox"/>	
24. Miscellaneous Shipping/Receiving Records (List all individual records)	<input type="checkbox"/>	<input type="checkbox"/>	

PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
INORGANIC COMPOUNDS  
(Continued)PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS:\*\*YES NO COMMENTS

25. Internal Lab Sample Transfer Records and Tracking Sheets  
(Describe or List)  
logbook
26. Internal Original Sample Preparation and analysis Records  
(Describe or List) ☐ ☐  
Preparation Records ☒ ☐ logbook  
Analysis Records ☐ ☐  
Description ☐ ☐
27. Other Records (Describe or List)  
\_\_\_\_\_  
\_\_\_\_\_
28. Comments:  
\_\_\_\_\_  
\_\_\_\_\_

\*\* See laboratory Quality Assurance Plan for limits.

Completed by: B. Supryczynski  
(Lab) (Signature)Barbara Supryczynski / Production Manag. 1/8/07  
(Printed Name/Title) Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: B. Supryczynski  
(Lab) (Signature)Barbara Supryczynski / Production Manag. 1/8/07  
(Printed Name/Title) Date

## Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\8260B.DIR.M  
 Title : EPA METHOD 8260B  
 Last Update : Wed Jan 03 12:23:29 2007  
 Response via : Initial Calibration

Non-Spiked Sample: J28732.D

Spike Sample	Spike Duplicate Sample
File ID : J28729.D	J28730.D
Sample : VLCS1213	VLCS1213 DUP
Acq Time: 13 Dec 06 12:23 pm	13 Dec 06 12:50 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits % Rec
Dichlorodifluorometh	0.0	50	58	54	116	107	8	25	70-130
Chloromethane	0.0	50	42	39	84	78	7	25	70-130
Vinyl chloride	0.0	50	47	43	94	87	8	25	70-130
Bromomethane	0.0	50	47	44	100	93	7	25	70-130
Chloroethane	0.0	50	50	48	113	108	5	25	70-130
Trichlorofluorometha	0.0	50	41	37	81	74	9	25	70-130
Acetone	0.0	50	46	47	92	93	1	25	70-125
1,1-Dichloroethene	0.0	50	57	53	114	106	7	25	74-130
Carbon disulfide	0.0	50	42	39	84	78	7	25	70-130
Methylene chloride	0.0	50	55	53	116	112	4	25	70-127
Methyl-tertbutyl eth	0.0	50	50	49	100	98	2	25	80-117
trans-1,2-Dichloroet	0.0	50	54	51	108	103	5	25	73-123
Tertiary-butyl alcoh	0.0	500	520	514	104	103	1	25	70-130
Di-isopropyl ether (	0.0	50	50	49	100	98	2	25	70-130
1,1-Dichloroethane	0.0	50	48	46	96	93	4	25	75-121
Ethyl tertiary-butyl	0.0	50	50	49	100	99	1	25	70-130
2,2-Dichloropropane	0.0	50	64	64	128	128	1	25	70-130
cis-1,2-Dichloroethe	0.0	50	52	50	104	100	4	25	78-117
Chloroform	0.0	50	48	46	96	92	4	25	72-118
Bromochloromethane	0.0	50	50	49	100	98	2	25	70-130
tetrahydrofuran	0.0	50	43	43	87	87	0	25	70-130
1,1,1-Trichloroethan	0.0	50	52	49	103	98	6	25	75-124
1,1-Dichloropropene	0.0	50	53	50	105	101	4	25	81-118
Carbon tetrachloride	0.0	50	52	49	104	99	5	25	74-127
Benzene	0.0	50	49	46	98	93	5	25	76-118
Tertiary-amyl methyl	0.0	50	51	50	101	100	1	25	70-130
1,2-Dichloroethane	0.0	50	46	45	91	90	1	25	70-114
Trichloroethene	0.0	50	48	46	97	92	5	25	74-117
1,2-Dichloropropane	0.0	50	47	45	94	90	4	25	73-118
Bromodichloromethane	0.0	50	54	52	109	104	4	25	73-122
Dibromomethane	0.0	50	49	48	98	96	1	25	70-130
1,4-Dioxane	0.0	50	56	53	113	106	6	25	70-130
cis-1,3-Dichloroprop	0.0	50	49	49	98	99	1	25	70-120
Toluene	0.0	50	49	47	98	95	4	25	76-117
trans-1,3-Dichloropr	0.0	50	46	46	93	92	1	25	70-119
1,1,2-Trichloroethan	0.0	50	47	47	94	95	1	25	71-115
1,2-Dibromoethane	0.0	50	48	49	97	98	1	25	86-107
1,3-Dichloropropane	0.0	50	49	49	98	98	0	25	79-114
Tetrachloroethene	0.0	50	47	46	94	91	3	25	74-120
Chlorobenzene	0.0	50	48	47	97	94	3	25	76-119
1,1,1,2-Tetrachloroe	0.0	50	48	46	96	92	4	25	75-116
Ethylbenzene	0.0	50	52	49	103	99	5	25	78-122
o-Xylene	0.0	50	49	47	97	95	3	25	81-116

Styrene	0.0	50	53	52	105	103	2	25	81-120
Bromoform	0.0	50	52	51	104	103	1	25	70-122
Isopropylbenzene	0.0	50	52	50	113	108	4	25	82-119
1,1,2,2-Tetrachloroe	0.0	50	54	54	119	119	1	25	70-123
n-Propylbenzene	0.0	50	52	50	103	100	3	25	83-126
Bromobenzene	0.0	50	52	50	112	109	3	25	70-130
2-Chlorotoluene	0.0	50	52	50	111	108	3	25	79-121
4-Chlorotoluene	0.0	50	45	44	89	88	1	25	78-119
1,3,5-Trimethylbenze	0.0	50	48	47	95	94	1	25	83-123
tert-Butylbenzene	0.0	50	41	41	83	83	0	25	81-119
1,2,4-Trimethylbenze	0.0	50	51	49	102	99	3	25	79-121
sec-Butylbenzene	0.0	50	48	46	96	91	5	25	70-130
1,3-Dichlorobenzene	0.0	50	48	47	96	94	1	25	73-120
1,4-Dichlorobenzene	0.0	50	47	46	94	92	3	25	74-121
n-Butylbenzene	0.0	50	42	40	84	80	6	25	70-129
1,2-Dichlorobenzene	0.0	50	48	48	97	96	1	25	74-121
1,2,4-Trichlorobenze	0.0	50	41	41	82	82	2	25	70-124
Hexachlorobutadiene	0.0	50	41	41	82	81	1	25	70-122
Naphthalene	0.0	50	42	42	84	84	2	25	70-128
1,2,3-Trichlorobenze	0.0	50	41	40	82	80	1	25	70-130

8260BDIR.M

Wed Jan 03 13:43:00 2007

MS8

## Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\8260BMCP.M (RTE Integrator)

Title :

Last Update : Wed Jan 03 13:38:48 2007

Response via : Initial Calibration

Non-Spiked Sample: M32638.D

Spike Sample	Spike Duplicate Sample
File ID : M32634.D	M32635.D
Sample : VLCS1214	VLCS1214 DUP
Acq Time: 14 Dec 2006 9:22 am	14 Dec 2006 9:53 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits % Rec
Dichlorodifluorometh	0.0	50	62	64	124	128	3	25	70-130
Chloromethane	0.0	50	42	42	83	85	2	25	70-130
Vinyl chloride	0.0	50	49	50	98	100	2	25	70-130
Bromomethane	0.1	50	53	54	107	108	1	25	70-130
Chloroethane	0.0	50	62	62	124	124	0	25	70-130
Trichlorofluorometha	0.0	50	61	62	123	125	2	25	70-130
Diethyl ether	0.0	50	42	43	85	86	2	25	83-124
Acetone	0.0	50	44	48	88	96	9	25	70-125
1,1-Dichloroethene	0.0	50	59	59	117	118	1	25	74-130
Carbon disulfide	0.0	50	45	44	89	88	1	25	70-130
Methylene chloride	0.0	50	55	58	111	116	5	25	70-127
Methyl-tertbutyl eth	0.0	50	50	53	100	106	6	25	80-117
trans-1,2-Dichloroet	0.0	50	53	54	106	109	3	25	73-123
Tertiary-butyl alcoh	0.1	500	446	502	89	100	12	25	70-130
Di-isopropyl ether (	0.0	50	51	52	102	105	3	25	70-130
1,1-Dichloroethane	0.0	50	51	52	102	104	2	25	75-121
Ethyl tertiary-butyl	0.0	50	55	56	109	112	2	25	70-130
2,2-Dichloropropane	0.0	50	55	56	109	113	3	25	70-130
cis-1,2-Dichloroethe	0.0	50	54	55	107	111	3	25	78-117
Chloroform	0.0	50	51	52	103	105	2	25	72-118
Bromochloromethane	0.0	50	47	49	95	99	4	25	70-130
Tetrahydrofuran	0.0	50	39	40	78	81	3	25	70-130
1,1,1-Trichloroethan	0.0	50	56	58	112	115	3	25	75-124
1,1-Dichloropropene	0.0	50	49	50	98	100	2	25	81-118
Carbon tetrachloride	0.0	50	54	54	108	107	1	25	74-127
Benzene	0.0	50	51	51	102	103	1	25	76-118
Tertiary-amyl methyl	0.0	50	53	56	107	112	5	25	70-130
1,2-Dichloroethane	0.2	50	54	55	108	110	1	25	70-114
Trichloroethene	0.0	50	49	49	98	99	1	25	74-117
1,2-Dichloropropane	0.0	50	52	55	104	110	5	25	73-118
Dibromomethane	0.0	50	52	54	104	108	4	25	70-130
Bromodichloromethane	0.0	50	57	60	114	119	5	25	73-122
1,4-Dioxane	0.0	50	39	43	79	86	8	25	70-130
cis-1,3-Dichloroprop	0.0	50	53	51	106	102	4	25	70-120
Toluene	0.0	50	55	53	109	107	2	25	76-117
trans-1,3-Dichloropr	0.0	50	51	49	102	97	5	25	70-119
1,1,2-Trichloroethan	0.0	50	54	52	107	105	2	25	71-115
1,2-Dibromoethane	0.0	50	50	50	100	101	1	25	86-107
1,3-Dichloropropane	0.0	50	55	56	109	113	3	25	79-114
Tetrachloroethene	0.0	50	53	51	107	103	4	25	74-120
Chlorobenzene	0.0	50	53	53	106	105	1	25	76-119
1,1,1,2-Tetrachloroe	0.0	50	54	54	108	109	1	25	75-116
Ethylbenzene	0.0	50	59	58	117	116	1	25	78-122
m+p-Xylenes	0.0	100	118	114	118	114	4	25	80-124
o-Xylene	0.0	50	55	53	110	107	3	25	81-116
Styrene	0.0	50	56	54	113	109	4	25	81-120
Bromoform	0.0	50	51	51	103	103	0	25	70-122
Isopropylbenzene	0.0	50	54	52	108	105	3	25	82-119
1,1,2,2-Tetrachloroe	0.0	50	49	51	99	102	3	25	70-123
n-Propylbenzene	0.0	50	58	57	116	114	2	25	83-126
Bromobenzene	0.0	50	53	54	107	109	2	25	70-130
2-Chlorotoluene	0.1	50	52	50	103	100	3	25	79-121

4-Chlorotoluene	0.0	50	56	54	112	108	4	25	78-119
1,3,5-Trimethylbenze	0.0	50	55	53	111	107	4	25	83-123
tert-Butylbenzene	0.0	50	52	52	104	104	0	25	81-119
1,2,4-Trimethylbenze	0.0	50	57	55	113	111	2	25	79-121
sec-Butylbenzene	0.1	50	52	49	104	99	5	25	70-130
4-Isopropyltoluene	0.1	50	53	51	106	101	5	25	70-130
1,3-Dichlorobenzene	0.1	50	55	55	110	109	0	25	73-120
1,4-Dichlorobenzene	0.1	50	50	48	99	95	4	25	74-121
n-Butylbenzene	0.0	50	48	47	97	93	4	25	70-129
1,2-Dichlorobenzene	0.0	50	53	52	105	104	1	25	74-121
1,2,4-Trichlorobenze	0.0	50	48	48	97	96	1	25	70-124
Hexachlorobutadiene	0.3	50	52	51	104	102	2	25	70-122
Naphthalene	0.0	50	46	47	92	94	2	25	70-128
1,2,3-Trichlorobenze	0.5	50	50	50	99	100	1	25	70-130

# - Fails Limit Check

8260BMCP.M

Wed Jan 03 13:39:19 2007



## FORM 3

## WATER 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: PREMIER LABORATORY, LLC Date Analyzed: 12/14/06

Project No.: E612529

Project: 20050458.B10/Nu-Style Phase II

Sample No.: E612529-1C

Location: Franklin, MA

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC
1,1-Dichloroethene	50.00	0	61.42	123	34-176
Benzene	50.00	0	52.21	104	69-115
Chlorobenzene	50.00	0	51.40	103	78-108
Toluene	50.00	0	53.43	107	75-109
Trichloroethene (TCE)	50.00	0	50.13	100	70-116

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC
1,1-Dichloroethene	50.00	67.08	134	8.56	71	34-176
Benzene	50.00	53.24	106	1.90	23	69-115
Chlorobenzene	50.00	50.78	102	0.98	15	78-108
Toluene	50.00	54.17	108	0.93	17	75-109
Trichloroethene (TCE)	50.00	50.54	101	1.0	23	70-116

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

FILE: M32643.D

FORM 4  
8260B METHOD BLANK SUMMARY

VBK1214

Project No.: E612529 Project: 20050458.B10/Nu-Style Phase II  
Lab File ID: M32638.D Lab Sample ID: VBK1214  
Matrix: (soil/water) Water Date Analyzed: 12/14/06  
Instrument ID: MS11 Date Extracted:  
Time Analyzed: 1126

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	LAB SAMPLE NO.	CLIENT SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	E612529-1C	841061208-27	M32643.D	12/14/06
02	E612529-2C	841061208-28	M32644.D	12/14/06
03	E612529-4C	841061208-30	M32645.D	12/14/06
04	E612529-5C	841061208-31	M32646.D	12/14/06
05	E612529-6C	841061208-32	M32647.D	12/14/06
06	E612529-7	841061208-33	M32639.D	12/14/06
07	VLCS1214	VLCS1214	M32634.D	12/14/06
08	E612529-1CMS	E612529-1CMS	M32650.D	12/14/06
09	E612529-1CMS	E612529-1CMSD	M32651.D	12/14/06
10				
11				
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COMMENTS:

FORM 4  
8260B METHOD BLANK SUMMARY

VBK1213

Project No.: E612529 Project: 20050458.B10/Nu-Style Phase II  
Lab File ID: J28732.D Lab Sample ID: VBK1213  
Matrix: (soil/water) Water Date Analyzed: 12/13/06  
Instrument ID: MS8 Date Extracted:  
Time Analyzed: 1346

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	LAB SAMPLE NO.	CLIENT SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E612529-3C	841061208-29	J28736.D;M3264	12/13/06
02	VLCS1213	VLCS1213	J28729.D	12/13/06
03				
04				
05				
06				
07				
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COMMENTS:

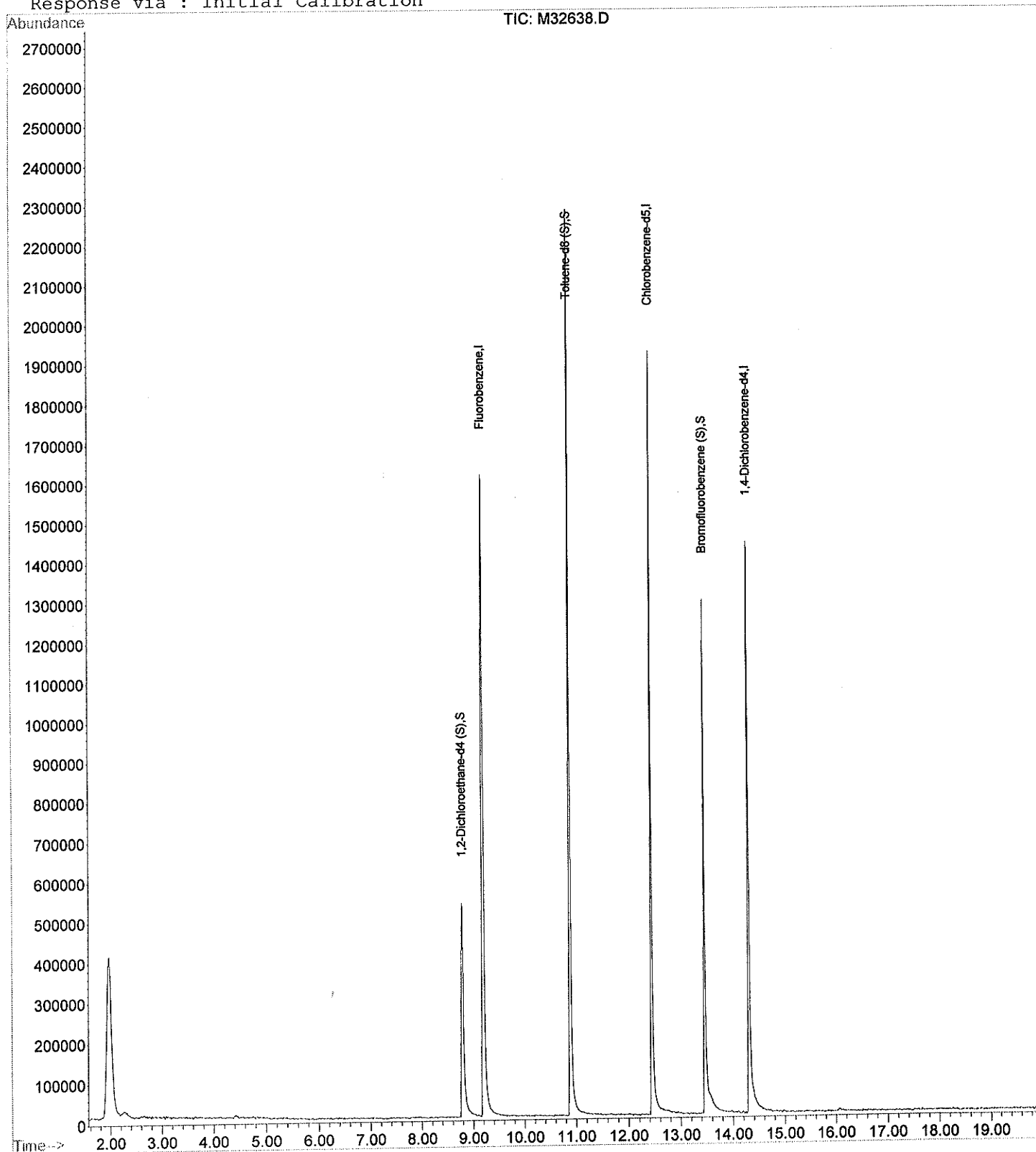
# Quantitation Report

Data File : D:\HPCHEM\1\DATA\061214M.B\M32638.D  
 Acq On : 14 Dec 2006 11:26 am  
 Sample : VBLK1214  
 Misc : 8260B()  
 MS Integration Params: rteint.p  
 Quant Time: Dec 14 11:49 2006

Vial: 6  
 Operator: GP  
 Inst : MS11  
 Multiplr: 1.00

Quant Results File: 8260BMCP.RES

Method : C:\HPCHEM\1\METHODS\8260BMCP.M (RTE Integrator)  
 Title :  
 Last Update : Wed Jan 03 12:15:52 2007  
 Response via : Initial Calibration



Data File : D:\HPCHEM\1\DATA\061214M.B\M32638.D

Vial: 6

Acq On : 14 Dec 2006 11:26 am

Operator: GP

Sample : VBLK1214

Inst : MS11

Misc : 8260B()

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Dec 14 11:49 2006

Quant Results File: 8260BMCP.RES

Quant Method : C:\HPCHEM\1\METHODS\8260BMCP.M (RTE Integrator)

Title :

Last Update : Thu Dec 14 10:34:26 2006

Response via : Initial Calibration

DataAcq Meth : 8260BMCP

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.19	96	1910585	50.00	ppb	0.00
43) Chlorobenzene-d5	12.43	117	995851	50.00	ppb	0.00
63) 1,4-Dichlorobenzene-d4	14.31	152	466920	50.00	ppb	0.00
System Monitoring Compounds						
34) 1,2-Dichloroethane-d4 (S)	8.78	65	558761m	50.70	ppb	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
46) Toluene-d8 (S)	10.87	98	1563709	51.49	ppb	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
52) Bromofluorobenzene (S)	13.45	176	402131	45.88	ppb	0.00
Spiked Amount	50.000		Recovery	=	91.76%	

Target Compounds

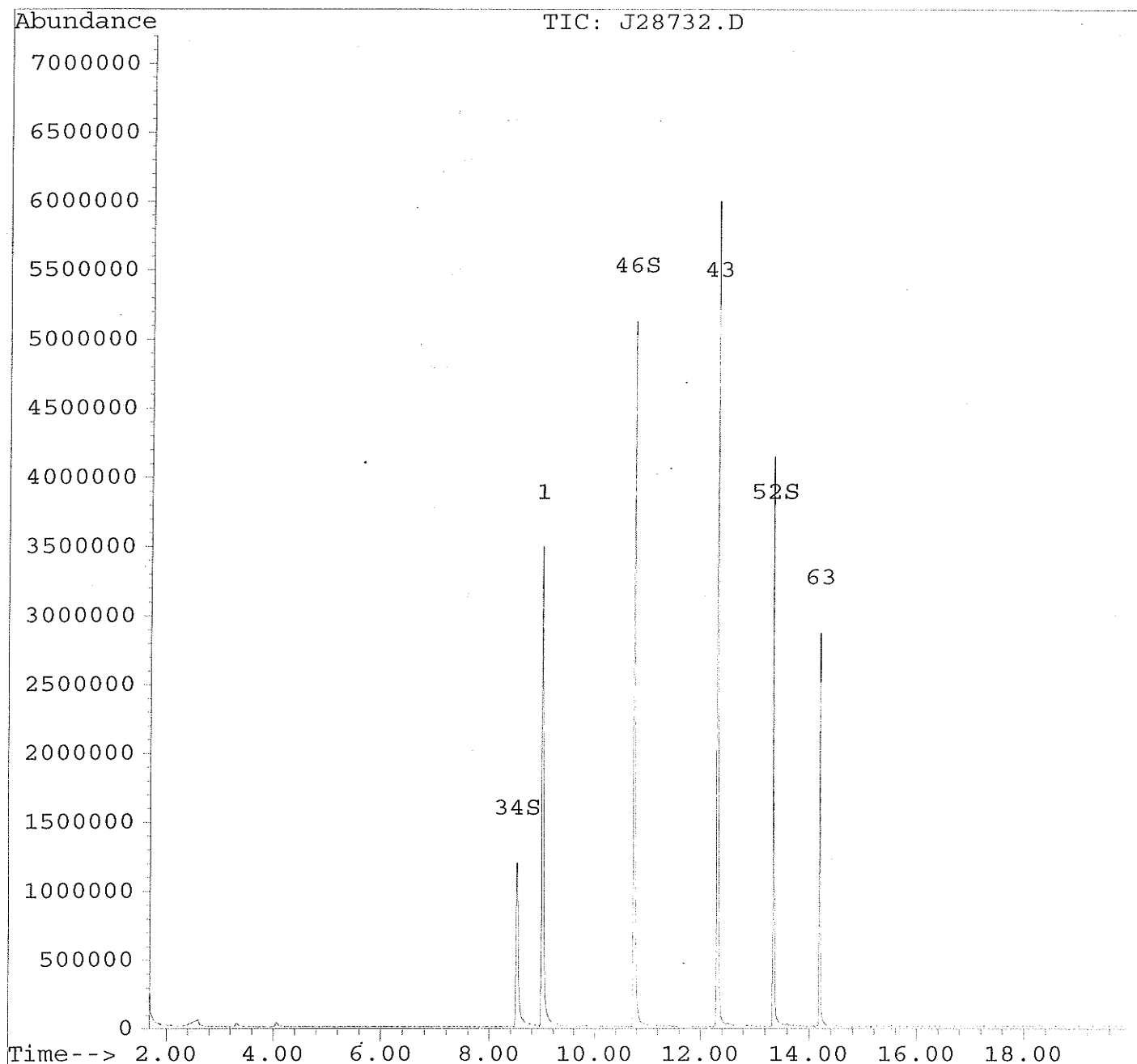
Qvalue

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\061213J.B\J28732.D  
Acq On : 13 Dec 06 1:46 pm  
Sample : VBLK1213  
Misc : 8260B()  
Quant Time: Jan 3 13:27 2007

Vial: 5  
Operator: GP  
Inst : MS8  
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260B.DIR.M  
Title : EPA METHOD 8260B  
Last Update : Wed Jan 03 12:23:29 2007  
Response via : Multiple Level Calibration



# Quantitation Report

Data File : C:\HPCHEM\1\DATA\061213J.B\J28732.D  
 Acq On : 13 Dec 06 1:46 pm  
 Sample : VBLK1213  
 Misc : 8260B()  
 Quant Time: Jan 3 13:27 2007

Vial: 5  
 Operator: GP  
 Inst : MS8  
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260B.DIR.M  
 Title : EPA METHOD 8260B  
 Last Update : Wed Jan 03 12:23:29 2007  
 Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	8.99	96	4363494	50.00	ppb	0.00
43) Chlorobenzene-d5	12.32	117	3446594	50.00	ppb	0.00
63) 1,4-Dichlorobenzene-d4	14.19	152	763801	50.00	ppb	0.01
System Monitoring Compounds						%Recovery
34) 1,2-Dichloroethane-d4 (S)	8.52	65	1249722	50.51	ppb	101.01%
46) Toluene-d8 (S)	10.75	98	3894169	51.45	ppb	102.89%
52) Bromofluorobenzene (S)	13.35	176	1317655	43.51	ppb	87.03%

Target Compounds

Qvalue

(#) = qualifier out of range (m) = manual integration

## Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\5\METHODS\VPHX.M  
 Title : MA VPH  
 Last Update : Wed Dec 20 09:14:25 2006  
 Response via : Initial Calibration

Non-Spiked Sample: 2121206.D

Spike Sample	Spike Duplicate Sample
File ID : 2121204.D	2121215.D
Sample : VLCS1212	VLCS1212
Acq Time: 12 Dec 06 05:23 PM	13 Dec 06 10:07 AM

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits % Rec
Methyl-tertbutyl eth	0.0	25	24	24	96	95	0	25	70-130
Benzene	0.0	25	24	23	96	93	3	25	70-130
Toluene	0.0	25	24	24	95	94	1	25	70-130
Ethylbenzene	0.0	25	24	24	95	95	0	25	70-130
m+p xylenes	0.0	50	50	50	99	99	0	25	70-130
o-xylene	0.0	25	24	24	95	94	1	25	70-130
Naphthalene	0.0	25	24	21	97	86	13	25	70-130
Methyl-tertbutyl eth	0.0	25	23	23	91	94	2	25	70-130
Benzene #2	0.0	25	23	23	94	94	0	25	70-130
Toluene #2	0.0	25	25	24	98	95	4	25	70-130
Ethylbenzene #2	0.0	25	25	24	100	95	6	25	70-130
m+p xylenes #2	0.0	50	55	51	109	101	7	25	70-130
o-xylene #2	0.0	25	26	24	103	96	8	25	70-130
Naphthalene #2	0.0	25	26	22	103	88	16	25	70-130

VPHX.M

Wed Jan 03 14:54:48 2007

GC2



FORM 4  
MADEP VPH METHOD BLANK SUMMARY

VBK1212

Project No.: E612529 Project: 20050458.B10/Nu-Style Phase II  
Lab File ID: 2121206.D Lab Sample ID: VBK1212  
Matrix: (soil/water) Water Date Analyzed: 12/12/06  
Instrument ID: GC2 Date Extracted:  
Time Analyzed: 1845

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	LAB SAMPLE NO.	CLIENT SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E612529-1C	841061208-27	2121208.D	12/12/06
02	E612529-2C	841061208-28	2121209.D	12/13/06
03	E612529-3C	841061208-29	2121210.D	12/13/06
04	E612529-4C	841061208-30	2121211.D	12/13/06
05	E612529-5C	841061208-31	2121212.D	12/13/06
06	E612529-6C	841061208-32	2121213.D	12/13/06
07	VLCS1212	VLCS1212	2121204.D	12/12/06
08	VLCS1212	VLCS1212	2121215.D	12/13/06
09				
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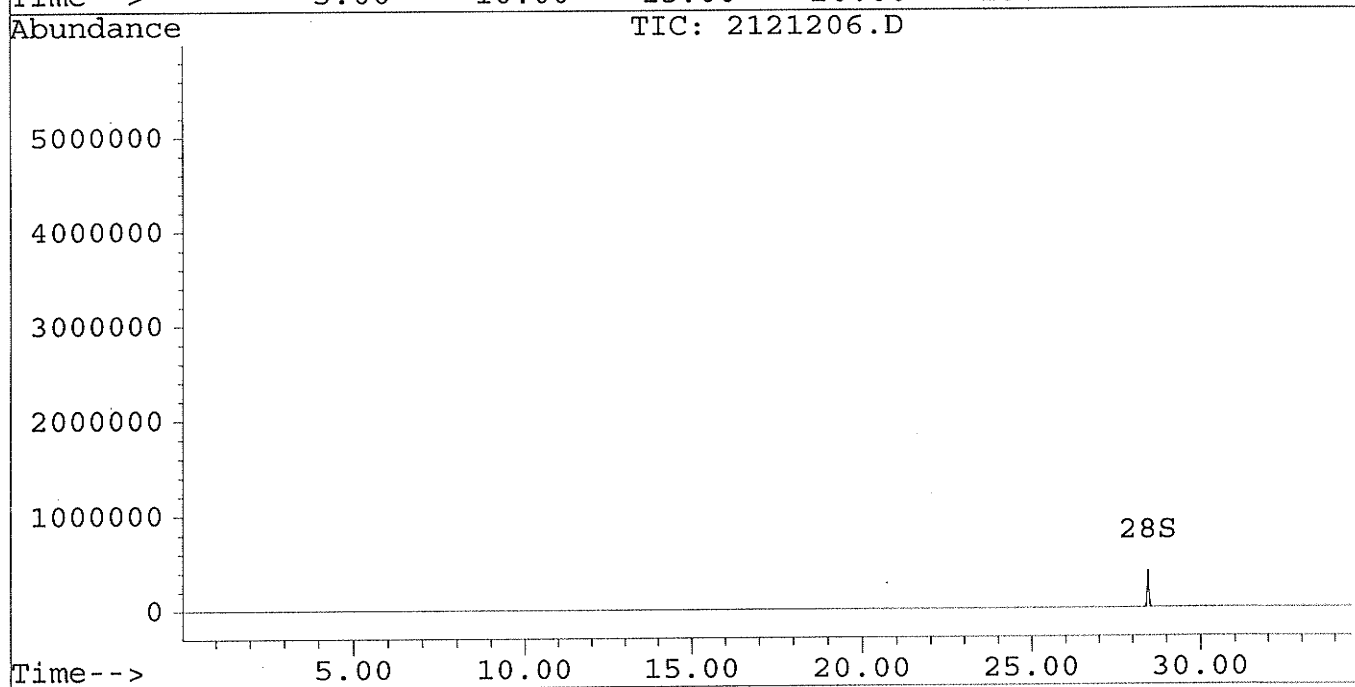
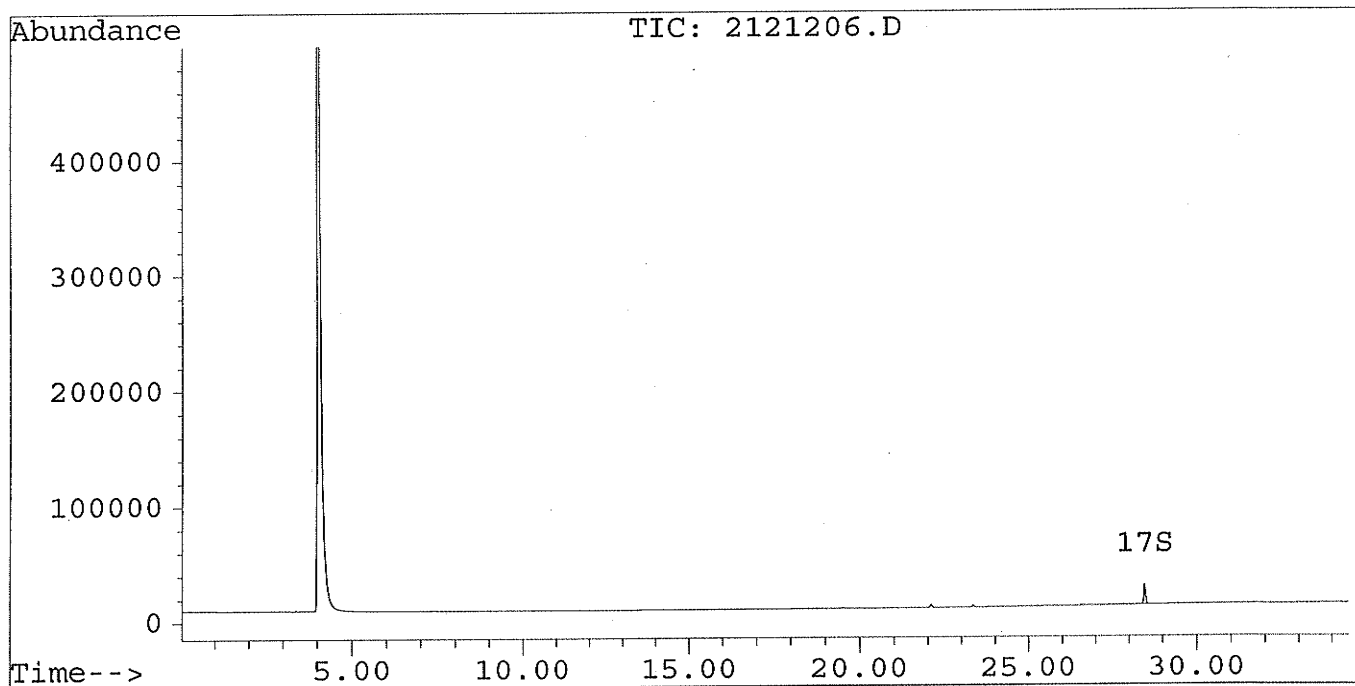
COMMENTS:

# Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\061212G2.B\2121206.D Vial: 6  
Signal #2 : C:\HPCHEM\5\DATA\061212G2.B\2121206.D\2121206.D  
Acq On : 12 Dec 06 06:45 PM Operator: TW  
Sample : VBLK1212 Inst : GC2  
Misc : VPH() Multiplr: 1.00  
Quant Time: Dec 13 9:41 2006

Method : C:\HPCHEM\5\METHODS\VPHX.M  
Title : MA VPH  
Last Update : Wed Dec 20 09:14:25 2006  
Response via : Multiple Level Calibration

Volume Inj. :  
Signal #1 Phase : Signal #2 Phase:  
Signal #1 Info : Signal #2 Info :



# Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\061212G2.B\2121206.D Vial: 6  
 Signal #2 : C:\HPCHEM\5\DATA\061212G2.B\2121206.D\2121206.D  
 Acq On : 12 Dec 06 06:45 PM Operator: TW  
 Sample : VBLK1212 Inst : GC2  
 Misc : VPH() Multiplr: 1.00  
 Quant Time: Dec 13 9:41 2006

Method : C:\HPCHEM\5\METHODS\VPHX.M  
 Title : MA VPH  
 Last Update : Wed Dec 20 09:14:25 2006  
 Response via : Multiple Level Calibration

Volume Inj. :  
 Signal #1 Phase : Signal #2 Phase:  
 Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
17) S 2,5-dibromotoluene(S)	28.47	622583	40.096 ug/L m
		Recovery =	80.19%
28) S 2,5-dibromotoluene(S) #2	28.46	13788612	41.642 ug/L
		Recovery =	83.28%

Target Compounds

FORM 3  
WATER MADEP EPH LAB CONTROL SAMPLE

Lab Name: PREMIER LABORATORY, LLC Date Analyzed: 12/12/06

Project No.: E612529

Project: 20050458.B10/Nu-Style Phase II

Sample No.: LCS1212A-1

Location: Franklin, MA

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	% REC #	QC LIMITS REC
2-Methylnaphthalene	40.00	29.61	74	40-140
Acenaphthene	40.00	30.01	75	40-140
Acenaphthylene	40.00	31.38	78	40-140
Anthracene	40.00	34.82	87	40-140
Benzo[a]anthracene	40.00	36.49	91	40-140
Benzo[a]pyrene	40.00	36.35	91	40-140
Benzo[b]fluoranthene	40.00	35.67	89	40-140
Benzo[g,h,i]perylene	40.00	30.11	75	40-140
Benzo[k]fluoranthene	40.00	36.85	92	40-140
Chrysene	40.00	36.64	92	40-140
Decane	40.00	24.45	61	40-140
Dibenz[a,h]anthracene	40.00	32.14	80	40-140
Docosane	40.00	33.85	85	40-140
Dodecane	40.00	27.08	68	40-140
Eicosane	40.00	33.66	84	40-140
Fluoranthene	40.00	34.93	87	40-140
Fluorene	40.00	33.50	84	40-140
Hexacosane	40.00	34.61	86	40-140
Hexadecane	40.00	31.52	79	40-140
Hexatriacontane	40.00	35.66	89	40-140
Indeno[1,2,3-cd]pyrene	40.00	35.18	88	40-140
Naphthalene	40.00	26.75	67	40-140
Nonadecane	40.00	32.81	82	40-140
Nonane	40.00	25.37	63	30-140
Octacosane	40.00	35.82	90	40-140
Octadecane	40.00	31.92	80	40-140
Phenanthrene	40.00	33.62	84	40-140
Pyrene	40.00	33.36	83	40-140

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

COMMENTS:

FILE: A20324.D

FORM 3  
WATER MADEP EPH LAB CONTROL SAMPLE

Lab Name: PREMIER LABORATORY, LLC Date Analyzed: 12/12/06

Project No.: E612529

Project: 20050458.B10/Nu-Style Phase II

Sample No.: LCS1212A-1

Location: Franklin, MA

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	% REC #	QC LIMITS REC
Tetracosane	40.00	34.38	86	40-140
Tetradecane	40.00	29.18	73	40-140
Triacontane	40.00	36.46	91	40-140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

FILE: A20324.D

FORM 3  
WATER MADEP EPH LAB CONTROL SAMPLE DUPLICATE

Lab Name: PREMIER LABORATORY, LLC Date Analyzed: 12/12/06

Project No.: E612529

Project: 20050458.B10/Nu-Style Phase II

Sample No.: LCS1212A-1

Location: Franklin, MA

COMPOUND	SPIKE	SAMPLE			QC	
	ADDED	CONCENTRATION	%	%	LIMITS	
	(ug/L)	(ug/L)	REC #	RPD #	RPD	REC
2-Methylnaphthalene	40.00	26.58	66	11.4	25	40-140
Acenaphthene	40.00	27.18	68	9.79	25	40-140
Acenaphthylene	40.00	27.87	70	10.8	25	40-140
Anthracene	40.00	32.05	80	8.38	25	40-140
Benzo[a]anthracene	40.00	33.76	84	8.00	25	40-140
Benzo[a]pyrene	40.00	33.75	84	8.00	25	40-140
Benzo[b]fluoranthene	40.00	33.15	83	6.98	25	40-140
Benzo[g,h,i]perylene	40.00	28.60	72	4.08	25	40-140
Benzo[k]fluoranthene	40.00	34.24	86	6.74	25	40-140
Chrysene	40.00	34.08	85	7.91	25	40-140
Decane	40.00	22.31	56	8.55	25	40-140
Dibenz[a,h]anthracene	40.00	30.36	76	5.13	25	40-140
Docosane	40.00	31.55	79	7.32	25	40-140
Dodecane	40.00	24.49	61	10.8	25	40-140
Eicosane	40.00	30.99	77	8.70	25	40-140
Fluoranthene	40.00	32.11	80	8.38	25	40-140
Fluorene	40.00	30.46	76	10.0	25	40-140
Hexacosane	40.00	32.24	81	5.99	25	40-140
Hexadecane	40.00	28.64	72	9.27	25	40-140
Hexatriacontane	40.00	33.97	85	4.60	25	40-140
Indeno[1,2,3-cd]pyrene	40.00	32.89	82	7.06	25	40-140
Naphthalene	40.00	24.13	60	11.0	25	40-140
Nonadecane	40.00	30.13	75	8.92	25	40-140
Nonane	40.00	22.19	55	13.6	25	30-140
Octacosane	40.00	33.28	83	8.09	25	40-140
Octadecane	40.00	29.22	73	9.15	25	40-140
Phenanthrene	40.00	30.77	77	8.70	25	40-140
Pyrene	40.00	30.92	77	7.50	25	40-140

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

COMMENTS:

FILE: A20325.D

FORM 3  
WATER MADEP EPH LAB CONTROL SAMPLE DUPLICATE

Lab Name: PREMIER LABORATORY, LLC Date Analyzed: 12/12/06

Project No.: E612529

Project: 20050458.B10/Nu-Style Phase II

Sample No.: LCS1212A-1

Location: Franklin, MA

COMPOUND	SPIKE	SAMPLE			QC	
	ADDED	CONCENTRATION	%	%	LIMITS	
	(ug/L)	(ug/L)	REC #	RPD #	RPD	REC
=====	=====	=====	=====	=====	=====	=====
Tetracosane	40.00	31.91	80	7.23	25	40-140
Tetradecane	40.00	26.34	66	10.1	25	40-140
triacontane	40.00	34.10	85	6.82	25	40-140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

FILE: A20325.D

FORM 3  
WATER MADEP EPH LAB CONTROL SAMPLE

Lab Name: PREMIER LABORATORY, LLC Date Analyzed: 12/13/06

Project No.: E612529

Project: 20050458.B10/Nu-Style Phase II

Sample No.: LCS1212A-1

Location: Franklin, MA

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	% REC #	QC LIMITS REC
2-Methylnaphthalene	40.00	21.35	53	40-140
Acenaphthene	40.00	22.87	57	40-140
Acenaphthylene	40.00	21.81	54	40-140
Anthracene	40.00	30.46	76	40-140
Benzo[a]anthracene	40.00	25.20	63	40-140
Benzo[a]pyrene	40.00	25.88	65	40-140
Benzo[b]fluoranthene	40.00	23.85	60	40-140
Benzo[g,h,i]perylene	40.00	24.20	60	40-140
Benzo[k]fluoranthene	40.00	26.36	66	40-140
Chrysene	40.00	23.79	59	40-140
Dibenz[a,h]anthracene	40.00	27.97	70	40-140
Fluoranthene	40.00	24.49	61	40-140
Fluorene	40.00	23.39	58	40-140
Indeno[1,2,3-cd]pyrene	40.00	22.99	57	40-140
Naphthalene	40.00	19.39	48	40-140
Phenanthrene	40.00	24.06	60	40-140
Pyrene	40.00	23.39	58	40-140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

FILE: A20348.D



FORM 3  
WATER MADEP EPH LAB CONTROL SAMPLE DUPLICATE

Lab Name: PREMIER LABORATORY, LLC Date Analyzed: 12/13/06

Project No.: E612529

Project: 20050458.B10/Nu-Style Phase II

Sample No.: LCS1212A-1

Location: Franklin, MA

COMPOUND	SPIKE	SAMPLE			QC	
	ADDED	CONCENTRATION	%	%	LIMITS	
	(ug/L)	(ug/L)	REC #	RPD #	RPD	REC
=====	=====	=====	=====	=====	=====	=====
2-Methylnaphthalene	40.00	17.58	44	18.6	25	40-140
Acenaphthene	40.00	18.71	47	19.2	25	40-140
Acenaphthylene	40.00	18.14	45	18.2	25	40-140
Anthracene	40.00	24.85	62	20.3	25	40-140
Benzo[a]anthracene	40.00	21.31	53	17.2	25	40-140
Benzo[a]pyrene	40.00	21.46	54	18.5	25	40-140
Benzo[b]fluoranthene	40.00	19.62	49	20.2	25	40-140
Benzo[g,h,i]perylene	40.00	20.31	51	16.2	25	40-140
Benzo[k]fluoranthene	40.00	22.14	55	18.2	25	40-140
Chrysene	40.00	20.21	50	16.5	25	40-140
Dibenz[a,h]anthracene	40.00	22.73	57	20.5	25	40-140
Fluoranthene	40.00	20.13	50	19.8	25	40-140
Fluorene	40.00	19.01	48	18.9	25	40-140
Indeno[1,2,3-cd]pyrene	40.00	19.02	48	17.1	25	40-140
Naphthalene	40.00	16.49	41	15.7	25	40-140
Phenanthrene	40.00	19.82	50	18.2	25	40-140
Pyrene	40.00	19.31	48	18.9	25	40-140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

FILE: A20349.D

FORM 3  
WATER LAB CONTROL SAMPLE

Lab Name: PREMIER LABORATORY, LLC Date Analyzed:

Project No.: Project: 51239

Sample No.: LCS1212A-1 Location:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	% REC #	QC LIMITS REC
Decane	40.00	22.25	56	40-140
Docosane	40.00	33.21	83	40-140
Dodecane	40.00	25.24	63	40-140
Eicosane	40.00	35.52	89	40-140
Hexacosane	40.00	33.33	83	40-140
Hexadecane	40.00	30.53	76	40-140
Hexatriacontane	40.00	33.03	82	40-140
Nonadecane	40.00	32.01	80	40-140
Nonane	40.00	17.87	45	30-140
Octacosane	40.00	33.45	84	40-140
Octadecane	40.00	33.02	82	40-140
Tetracosane	40.00	33.05	83	40-140
Tetradecane	40.00	28.16	70	40-140
triacontane	40.00	38.01	95	40-140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

FILE: A20339.D

FORM 3  
WATER LAB CONTROL SAMPLE DUPLICATE

Lab Name: PREMIER LABORATORY, LLC Date Analyzed:

Project No.: Project: 51239

Sample No.: LCS1212A-1 Location:

COMPOUND	SPIKE	SAMPLE			QC	
	ADDED	CONCENTRATION	%	%	LIMITS	
	(ug/L)	(ug/L)	REC #	RPD #	RPD	REC
Decane	40.00	19.64	49	13.3	25	40-140
Docosane	40.00	30.44	76	8.80	25	40-140
Dodecane	40.00	22.02	55	13.6	25	40-140
Eicosane	40.00	32.25	81	9.41	25	40-140
Hexacosane	40.00	30.54	76	8.80	25	40-140
Hexadecane	40.00	26.98	67	12.6	25	40-140
Hexatriacontane	40.00	31.05	78	5.00	25	40-140
Nonadecane	40.00	28.56	71	11.9	25	40-140
Nonane	40.00	15.35	38	16.9	25	30-140
Octacosane	40.00	30.45	76	10.0	25	40-140
Octadecane	40.00	29.96	75	8.92	25	40-140
Tetracosane	40.00	30.13	75	10.1	25	40-140
Tetradecane	40.00	24.47	61	13.7	25	40-140
Triacontane	40.00	31.80	80	17.1	25	40-140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

FILE: A20340.D

FORM 4  
MADEP EPH METHOD BLANK SUMMARY

E1212BA-1

Project No.: E612529

Project: 20050458.B10/Nu-Style Phase II

Lab File ID: A20323.D

Lab Sample ID: E1212BA-1

Matrix: (soil/water) Water

Date Analyzed: 12/12/06

Instrument ID: GC1

Date Extracted:

Time Analyzed: 2128

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	LAB SAMPLE NO.	CLIENT SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E612529-1B	841061208-27	A20329.D	12/13/06
02	E612529-2B	841061208-28	A20328.D	12/13/06
03	E612529-3B	841061208-29	A20327.D	12/12/06
04	E612529-6B	841061208-32	A20330.D	12/13/06
05	LCS1212A-1	LCS1212A-1	A20324.D	12/12/06
06	LCSD1212A-1	LCSD1212A-1	A20325.D	12/12/06
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COMMENTS:

FORM 4  
MADEP EPH METHOD BLANK SUMMARY

E1212BA-1

Project No.: E612529

Project: 20050458.B10/Nu-Style Phase II

Lab File ID: A20347.D

Lab Sample ID: E1212BA-1

Matrix: (soil/water) Water

Date Analyzed: 12/13/06

Instrument ID: GC1

Date Extracted:

Time Analyzed: 1948

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	LAB SAMPLE NO.	CLIENT SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E612529-4B	841061208-30	A20353.D,A2034	12/13/06
02	E612529-5B	841061208-31	A20354.D,A2034	12/13/06
03	LCS1212A-1	LCS1212A-1	A20348.D	12/13/06
04	LCSD1212A-1	LCSD1212A-1	A20349.D	12/13/06
05				
06				
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COMMENTS:

# Quantitation Report

Data File : D:\DATA\061212A.B\A20323.D

Acq On : 12 Dec 2006 9:28 pm

Sample : E1212BA-1

Misc : EPH()

IntFile : AUTOINT1.E

Quant Time: Jan 3 14:58 2007 Quant Results File: TOTALTPH.RES

Vial: 9

Operator: TW

Inst : GC1

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\XMETHODS\TOTALTPH.M (Chemstation Integrator)

Title :

Last Update : Wed Dec 13 12:00:38 2006

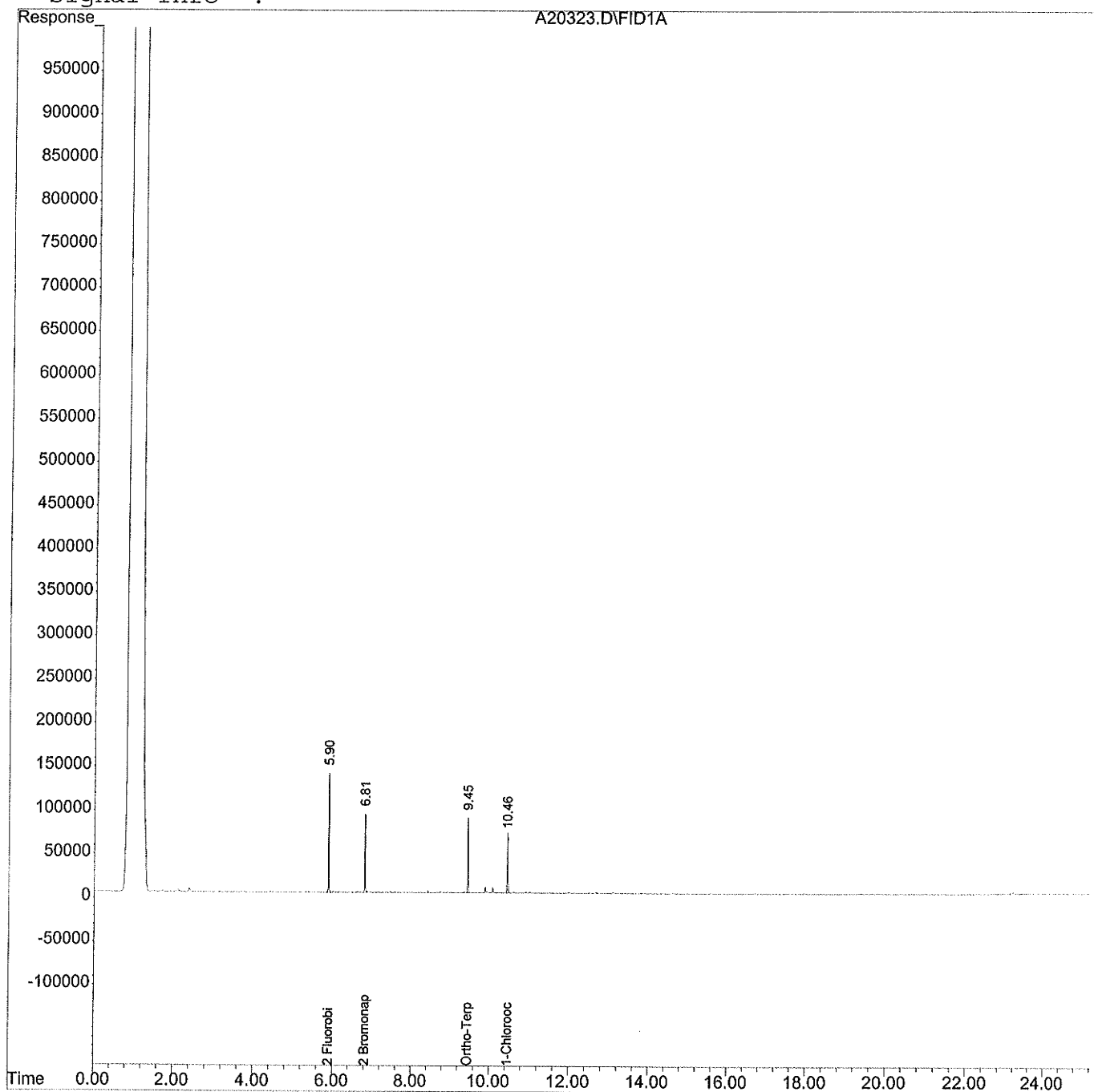
Response via : Multiple Level Calibration

DataAcq Meth : EPHACQ.M

Volume Inj. :

Signal Phase :

Signal Info :



Data File : D:\DATA\061212A.B\A20323.D

Vial: 9

Acq On : 12 Dec 2006 9:28 pm

Operator: TW

Sample : E1212BA-1

Inst : GC1

Misc : EPH()

Multiplr: 1.00

IntFile : AUTOINT1.E

Quant Time: Jan 3 14:58 2007 Quant Results File: TOTALTPH.RES

Quant Method : C:\HPCHEM\1\XMETHODS\TOTALTPH.M (Chemstation Integrator)

Title :

Last Update : Wed Dec 13 12:00:38 2006

Response via : Initial Calibration

DataAcq Meth : EPHACQ.M

Volume Inj. :

Signal Phase :

Signal Info :

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
1) S 2 Fluorobiphenyl	5.90	1424305	36.668 ug/ml
Spiked Amount 40.000	Range 16 - 56	Recovery =	91.67%#
2) S 2 Bromonaphthalene	6.81	1006018	38.976 ug/ml
Spiked Amount 40.000	Range 16 - 56	Recovery =	97.44%#
3) S Ortho-Terphenyl	9.45	1005965	23.282 ug/ml
Spiked Amount 40.000	Range 16 - 56	Recovery =	58.20%#
4) S 1-Chlorooctadecane	10.46	878640	25.818 ug/ml
Spiked Amount 40.000	Range 16 - 56	Recovery =	64.55%#

Target Compounds

# Quantitation Report

Data File : D:\DATA\061213A.B\A20347.D

Vial: 9

Acq On : 13 Dec 2006 7:48 pm

Operator: TW

Sample : E1212BA-1

Inst : GC1

Misc : EPH()

Multiplr: 1.00

IntFile : AUTOINT1.E

Quant Time: Dec 20 16:40 2006 Quant Results File: PAH.RES

Quant Method : C:\HPCHEM\1\XMETHODS\PAH.M (Chemstation Integrator)

Title :

Last Update : Thu Dec 14 09:25:52 2006

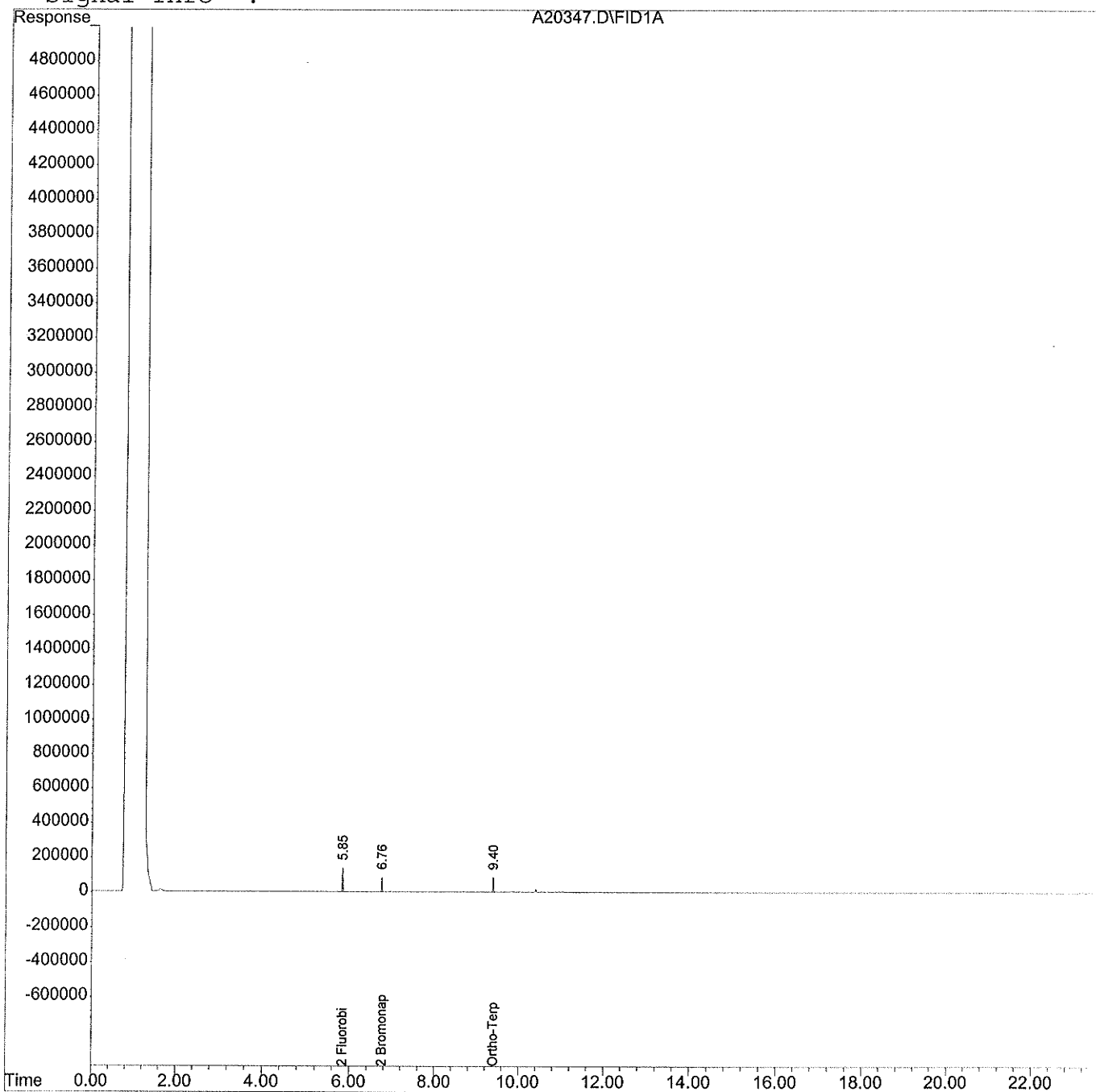
Response via : Multiple Level Calibration

DataAcq Meth : PAHACQ.M

Volume Inj. :

Signal Phase :

Signal Info :





Data File : D:\DATA\061213A.B\A20347.D

Vial: 9

Acq On : 13 Dec 2006 7:48 pm

Operator: TW

Sample : E1212BA-1

Inst : GC1

Misc : EPH()

Multiplr: 1.00

IntFile : AUTOINT1.E

Quant Time: Dec 20 16:40 2006 Quant Results File: PAH.RES

Quant Method : C:\HPCHEM\1\XMETHODS\PAH.M (Chemstation Integrator)

Title :

Last Update : Thu Dec 14 09:25:52 2006

Response via : Initial Calibration

DataAcq Meth : PAHACQ.M

Volume Inj. :

Signal Phase :

Signal Info :

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
1) S 2 Fluorobiphenyl	5.85	1472073	30.431 ug/ml
Spiked Amount 40.000	Recovery	=	76.08%
2) S 2 Bromonaphthalene	6.76	940402	29.077 ug/ml
Spiked Amount 40.000	Recovery	=	72.69%
3) S Ortho-Terphenyl	9.40	1049620	16.251 ug/mlm
Spiked Amount 40.000	Recovery	=	40.63%
Target Compounds			
4) TM Naphthalene	0.00	0	N.D. ug/ml
5) M 2-Methylnaphthalene	0.00	0	N.D. ug/ml
6) T Acenaphthylene	0.00	0	N.D. ug/ml
7) TM Acenaphthene	0.00	0	N.D. ug/ml
8) T Fluorene	0.00	0	N.D. ug/ml
9) T Phenanthrene	0.00	0	N.D. ug/ml
10) TM Anthracene	0.00	0	N.D. ug/ml
11) T Fluoranthene	0.00	0	N.D. ug/ml
12) TM Pyrene	0.00	0	N.D. ug/ml
13) T Benzo[a]anthracene	0.00	0	N.D. ug/ml
14) TM Chrysene	0.00	0	N.D. ug/ml
15) T Benzo[b]fluoranthene	0.00	0	N.D. ug/ml
16) T Benzo[k]fluoranthene	0.00	0	N.D. ug/ml
17) T Benzo[a]pyrene	0.00	0	N.D. ug/ml
18) T Indeno[1,2,3-cd]pyrene	0.00	0	N.D. ug/ml
19) T Dibenz[a,h]anthracene	0.00	0	N.D. ug/ml
20) T Benzo[g,h,i]perylene	0.00	0	N.D. ug/ml
21) x C11 - C22 Aromatics	0.00	0	N.D. ug/ml

# Quantitation Report

Data File : D:\DATA\061213A.B\A20338.D

Acq On : 13 Dec 2006 4:02 pm

Sample : E1212BA-1

Misc : EPH()

IntFile : AUTOINT1.E

Quant Time: Dec 20 16:39 2006 Quant Results File: ALKEPH.RES

Vial: 2

Operator: TW

Inst : GC1

Multiplr: 1.00

Quant Method : C:\HPCHEM\1\XMETHODS\ALKEPH.M (Chemstation Integrator)

Title :

Last Update : Thu Dec 14 09:06:29 2006

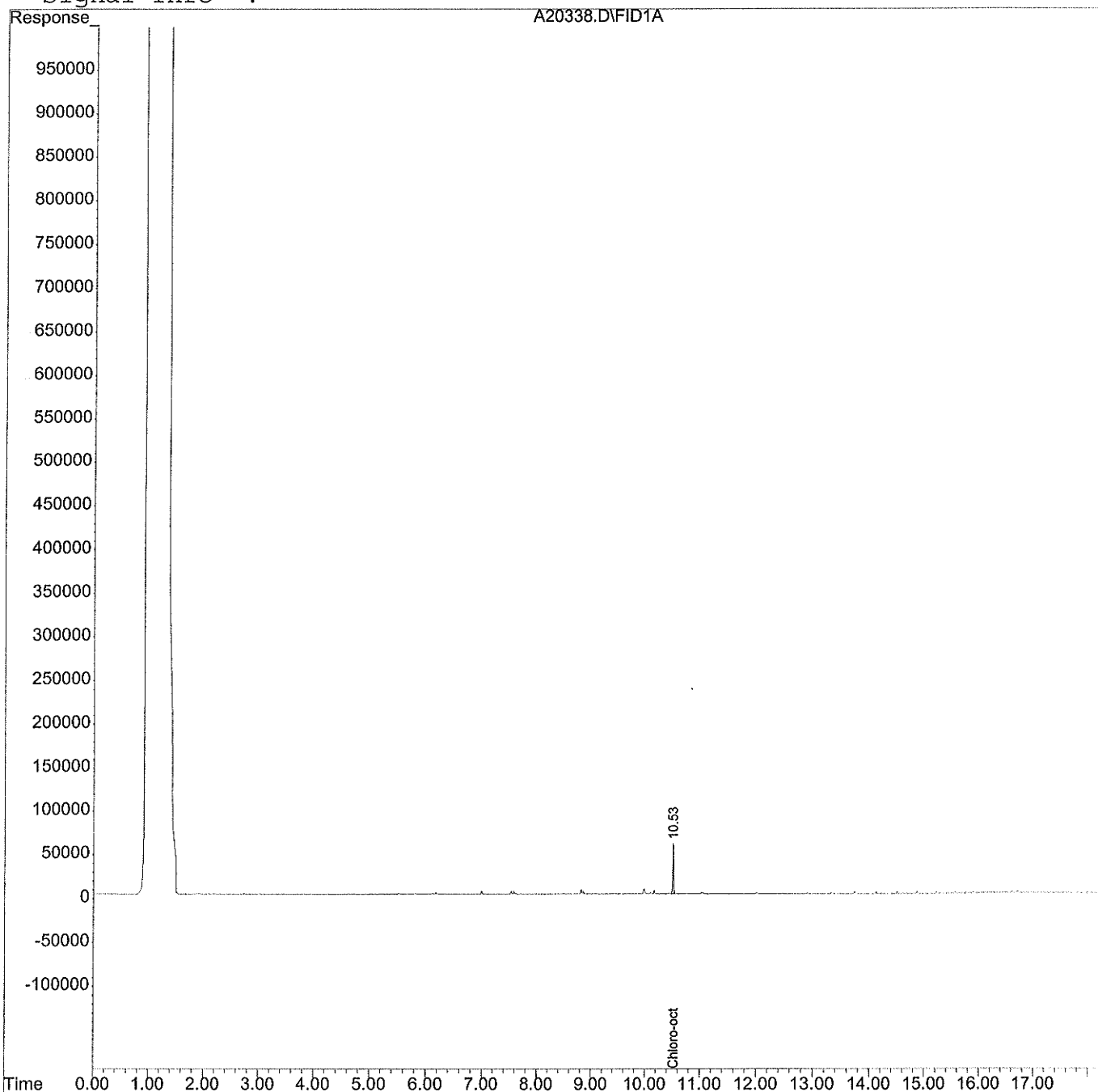
Response via : Multiple Level Calibration

DataAcq Meth : ALKNEACQ.M

Volume Inj. :

Signal Phase :

Signal Info :



Data File : D:\DATA\061213A.B\A20338.D

Vial: 2

Acq On : 13 Dec 2006 4:02 pm

Operator: TW

Sample : E1212BA-1

Inst : GC1

Misc : EPH()

Multiplr: 1.00

IntFile : AUTOINT1.E

Quant Time: Dec 20 16:39 2006 Quant Results File: ALKEPH.RES

Quant Method : C:\HPCHEM\1\XMETHODS\ALKEPH.M (Chemstation Integrator)

Title :

Last Update : Thu Dec 14 09:06:29 2006

Response via : Initial Calibration

DataAcq Meth : ALKNEACQ.M

Volume Inj. :

Signal Phase :

Signal Info :

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
1) S Chloro-octadecane *	10.53	649281	18.615 ug/ml
Spiked Amount 40.000		Recovery =	46.54%

Target Compounds

# ICP Method Blank Summary

Workorder # : E612529		Matrix: Aqueous	
Element	Result	MDL	Run Date
	ug/L	ug/L	
Antimony	ND	10	12/18/2006
Aluminum		50	
Arsenic	ND	10	12/18/2006
Barium	ND	10	12/18/2006
Beryllium	ND	1	12/18/2006
Boron		10	
Calcium		50	
Cadmium	ND	2	12/18/2006
Cobalt		2	
Chromium	ND	10	12/18/2006
Copper	ND	10	12/18/2006
Iron		50	
Lead	ND	4	12/18/2006
Magnesium		50	
Manganese		10	
Mercury CV	ND	0.2	12/14/2006
Molybdenum		10	
Nickel	ND	10	12/18/2006
Potassium		2000	
Selenium	ND	10	12/18/2006
Silver	ND	2	12/18/2006
Sodium		1000	
Thallium	ND	5	12/18/2006
Titanium		2	
Tin		50	
Vanadium		10	
Zinc	ND	10	12/18/2006
ND = NONE DETECTABLE ( * ) Elevated MDLs due to dilution for range ( ** ) Elevated MDLs due to dilution for interferences			

# Fortified Sample/Blank Recovery Report

Date: December 18, 2006  
 Time: 9:19  
 Method: 200.7/6010B  
 Analyst: BSZ  
 Validator:

Matrix  
 Aqueous ☒  
 TCLP ☐  
 SPLP ☐

Run Log Reference Number  
 TRC1218-1

Workorder #: E612529  
 Fortified Sample ID #: E61252711C  
 Units: ug/L

Laboratory Fortified Matrix(LFM)/LFM Duplicate											LFB		
Element	Sample	Sample Duplicate	RPD	Spike Amount	LFM Result	% recovery	LFMD Result	% recovery	Recovery Limits	RPD	Result	% recovery	Recovery Limits
Ag	0	0		500	507.9	101.6	510	102.0	75-125	0.4	510.2	102.0	80-120
Al				10000					75-125				80-120
As	0	0		500	486.7	97.3	483.2	96.6	75-125	0.7	485	97.0	80-120
B				500					75-125				80-120
Ba	56.98	57	0.0	500	574.9	103.6	574.4	103.5	75-125	0.1	526.2	105.2	80-120
Be	0	0		500	500	100.0	501.4	100.3	75-125	0.3	514.4	102.9	80-120
Ca				11000					75-125				80-120
Cd	0	0		500	501.9	100.4	504.6	100.9	75-125	0.5	518	103.6	80-120
Co				500					75-125				80-120
Cr	0	0		500	492.4	98.5	495	99.0	75-125	0.5	506.5	101.3	80-120
Cu	0	0		500	495.9	99.2	497.2	99.4	75-125	0.3	502.1	100.4	80-120
Fe				500					75-125				80-120
K				25000					75-125				80-120
Mg				11000					75-125				80-120
Mn				500					75-125				80-120
Mo				500					75-125				80-120
Na				11000					75-125				80-120
Ni	0	0		500	501.4	100.3	501.3	100.3	75-125	0.0	513.1	102.6	80-120
Pb	0	0		500	477.4	95.5	482.7	96.5	75-125	1.1	493.7	98.7	80-120
Sb	0	0		500	464.4	92.9	457.9	91.6	75-125	1.4	483.2	96.6	80-120
Se	0	0		500	486.5	97.3	491.9	98.4	75-125	1.1	497.3	99.5	80-120
Sn				2500					75-125				80-120
Tl	0	0		500	498.7	99.7	496.1	99.2	75-125	0.5	513	102.6	80-120
Ti				500					75-125				80-120
V				500					75-125				80-120
Zn	32.76	33.58	2.5	500	504.4	94.3	508.2	95.1	75-125	0.8	492.6	98.5	80-120
Hg	0	0		5	4.839	96.8	4.861	97.2	66-133	0.5	4.955	99.1	80-120

COMMENTS: saplme spiked for Hg :E61257801



**Modified Tier I  
Data Validation Narrative  
and Certification**

**Project: 20050458B10, Former Nu-Style Company, Inc. Facility**

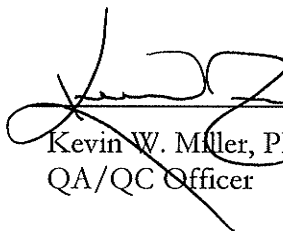
<b>Premier Laboratory Project Number:</b>	<u>E612052</u>
<b>Date Samples Received at Laboratory:</b>	<u>12/1/2006</u>
<b>Date of Review:</b>	<u>1/11/2007</u>

Seventeen soil samples, including one field duplicate, were collected and submitted to Premier Laboratory, LLC in Dayville, Connecticut for analysis of volatile organic compounds (VOCs) by EPA Method 8260B, priority pollutant metals plus barium by EPA Methods 6010B and 7471, cyanide by EPA Method 9012, polychlorinated biphenyls (PCBs) by EPA Method 8082, and petroleum hydrocarbons by Massachusetts Department of Environmental Protection (MADEP) Methods Extractable Petroleum Hydrocarbons (EPH) and Volatile Petroleum Hydrocarbons (VPH). One aqueous trip blank was also submitted for analysis of VOCs by EPA Method 8260B. Dedicated sampling equipment was employed; therefore, no equipment blank was indicated.

Samples were analyzed within method-specified holding times and in accordance with the Massachusetts Contingency Plan (MCP) Compendium of Analytical Methods (CAM) data enhancement protocols.

I certify that the field and laboratory data associated with the above referenced project, to the best of my knowledge with the exceptions noted above, are compliant with the Quality Assurance Project Plan for the Former Nu-Style Company, Inc. Facility located in Franklin, Massachusetts dated September 2006.

Certified by:

  
Kevin W. Miller, Ph.D.  
QA/QC Officer



INITIAL DATE: MAY 2006  
 REVISION DATE: MAY 2006  
 REVISION: 0.0

**PHASE II SITE ASSESSMENT  
 FORMER NU-STYLE COMPANY, INC. FACILITY  
 MODIFIED TIER I COMPLETENESS CHECKLIST**

	<u>YES</u>	<u>NO</u>
<b>1. SAMPLING AND FIELD MEASUREMENTS:</b>		
Field measurement calibration records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Groundwater field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Soil sampling field measurements (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sediment sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Surface water sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Low-flow sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Documentation of field activities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample numbering and labeling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicate samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A
<b>2. LABORATORY MEASUREMENTS:</b>		
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Instrument blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Laboratory control samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicates samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Matrix spike/matrix spike duplicates	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Analysis type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Surrogate recoveries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A
<b>TOTAL:</b>	<u>16</u>	<u>0</u>
<b>PERCENT COMPLETE:</b>	<u>100</u>	%



Premier Laboratory, LLC  
61 Louisa Viens Drive  
Dayville, CT 06241  
Telephone: 860-774-6814 Fax: 860-774-26A9

## **ANALYTICAL DATA & QUALITY CONTROL REPORT**

Report Number: **E612052**  
Project: **20050458.B10/Nu-Style Phase II**

Fuss & O'Neill  
275 Promenade Street  
Providence, RI 02908

Attn: David Foss

PMB  
1/2007 DMS





Premier  
Laboratory, LLC

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

## ANALYTICAL DATA REPORT

Report Number: E612052  
Project: 20050458.B10/Nu-Style Phase II

prepared for:

Fuss & O'Neill  
275 Promenade Street  
Providence, RI 02908

Attn: David Foss

Received Date: 12/1/2006  
Report Date: 3/13/2007

Premier Laboratory, LLC  
Authorized Signature



Certifications:  
CT (PH-0465), MA (M-CT008), ME (CT050), NH (2020), NJ (CT002), NY (11549), RI (RI246)



# Premier Laboratory, LLC

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Premier Laboratory, LLC			Project #: E612052		
Project Location: Franklin, MA			MADEP RTN <sup>1</sup> :		
This Form provides certifications for the following data set:[list Laboratory Sample ID Number(s)] 1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 2, 3, 4, 5, 6, 7, 8, 9					
Sample Matrices: <input type="checkbox"/> Groundwater <input checked="" type="checkbox"/> Soil/Sediment <input type="checkbox"/> Drinking Water <input type="checkbox"/> Other					
<b>MCP SW-846 Methods Used</b> As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8260B <input checked="" type="checkbox"/>	8151A <input type="checkbox"/>	8330 <input type="checkbox"/>	6010B <input checked="" type="checkbox"/>	7470A/1A <input checked="" type="checkbox"/>
	8270C <input type="checkbox"/>	8081A <input type="checkbox"/>	VPH <input checked="" type="checkbox"/>	6020 <input type="checkbox"/>	9014M <sup>2</sup> <input type="checkbox"/>
	8082 <input checked="" type="checkbox"/>	8021B <input type="checkbox"/>	EPH <input checked="" type="checkbox"/>	7000 S <sup>3</sup> <input type="checkbox"/>	7196A <input type="checkbox"/>
1 List Release Tracking Number (RTN), if known 2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method 3 S - SW-846 Methods 7000 Series List individual method and analyte.					
<b>An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status</b>					
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 (a),(b),(c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
D	<b>VPH and EPH Methods only:</b> Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>A response to questions E and F below is required for "Presumptive Certainty" status</b>					
E	Were all QC performance standards and recommendations for the specified methods achieved?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<sup>1</sup> All NO answers must be addressed in an attached Environmental Laboratory case narrative.					
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.					
Signature: _____			Position: Laboratory Director		
Printed Name: Robert Stevenson			Date: 3/13/2007		



Report No: E612052  
Client: Fuss & O'Neill  
Project: 20050458.B10/Nu-Style Phase II

## **CASE NARRATIVE / METHOD CONFORMANCE SUMMARY**

Premier Laboratory received 18 samples from Fuss & O'Neill on 12/01/2006. The samples were analyzed from the following list of analyses:

Cyanide, Total, by 9012 in GW/SW  
9012[9012]  
Moisture, Percent  
Trace Priority Pollutant (13) Metals in Soil  
6010B[3000], 7471[7471]  
Volatiles by 8260B in GW/SW  
8260B

Extractable Petroleum Hydrocarbon (EPH)  
MADEP EPH[MADEP EPH]  
PCB's by 8082 in GW/SW  
8082[3500]  
Volatile Petroleum Hydrocarbon (VPH)  
MADEP VPH

In order to meet requested detection limits, EDB results were estimated to 3 ppb for EPA method 8260B. Dibromochloromethane, 1,2-Dichlorobenzene and 1,1,2,2-Tetrachloroethane were all estimated to a value of 5.0 ppb. This value of 5.0 ppb corresponds to the lowest level of calibration on the instrument prior to the % solid value being calculated into the reported detection limits. The samples were ND for all estimated compounds to their respective values.

### **Variances:**

#### **SDG:**

A full list 8260B LCS was run and met the applicable recovery criteria for "Presumptive Certainty". An LCS Duplicate encompassing all target compounds was not run for EPA method 8260B. Both an LCS and LCSD were analyzed for the oxygenate compounds only.

#### **Method:**

None reported.

#### **QA/QC:**

Sample 12A, 841061130-12, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 13A, 841061130-13, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.



Report No: E612052  
Client: Fuss & O'Neill  
Project: 20050458.B10/Nu-Style Phase II

**CASE NARRATIVE / METHOD CONFORMANCE SUMMARY**  
**(continued)**

**QA/QC (continued):**

Sample 13A, 841061130-13, Volatiles by 8260B: Two surrogate spikes were outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the surrogate was still outside of the limits.

Sample 14A, 841061130-14, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 15A, 841061130-15, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 15A, 841061130-15, Volatiles by 8260B: Two surrogate spikes were outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the surrogate was still outside of the limits.

Sample 16A, 841061130-16, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 16A, 841061130-16, Volatiles by 8260B: Two surrogate spikes were outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the surrogate was still outside of the limits.

Sample 17A, 841061130-17, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 1A, 841061130-01, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.



Report No: E612052  
Client: Fuss & O'Neill  
Project: 20050458.B10/Nu-Style Phase II

**CASE NARRATIVE / METHOD CONFORMANCE SUMMARY**  
**(continued)**

**QA/QC (continued):**

Sample 3A, 841061130-03, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 5A, 841061130-05, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 5A, 841061130-05, Volatiles by 8260B: One surrogate spike was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the surrogate was still outside of the limits.

Sample 6A, 841061130-06, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

Sample 8A, 841061130-08, Volatiles by 8260B: The matrix spike/ matrix spike duplicate recoveries for the sample were outside of the established control limits due to matrix interference. The associated LCS recoveries were within the established quality control limits.

Sample 9A, 841061130-09, Volatiles by 8260B: One internal standard was outside quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still outside the limits.

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612052  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(1) 841061130-01</b>						
<b>Date Collected: 11/30/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.53	mg/kg	12/06/06 12:11	DDD	
Trace Metals by 6010B						
Antimony	ND	0.53	mg/kg	12/05/06	BSZ	
Arsenic	ND	0.50	mg/kg	12/05/06	BSZ	
Barium	16	0.50	mg/kg	12/05/06	BSZ	
Beryllium	0.19	0.050	mg/kg	12/05/06	BSZ	
Cadmium	ND	0.10	mg/kg	12/05/06	BSZ	
Chromium	3.2	0.50	mg/kg	12/05/06	BSZ	
Copper	4.9	0.50	mg/kg	12/05/06	BSZ	
Lead	4.9	0.20	mg/kg	12/05/06	BSZ	
Nickel	2.6	0.50	mg/kg	12/05/06	BSZ	
Selenium	ND	0.50	mg/kg	12/05/06	BSZ	
Silver	ND	0.10	mg/kg	12/05/06	BSZ	
Thallium	ND	0.26	mg/kg	12/08/06	BSZ	
Zinc	10	0.50	mg/kg	12/05/06	BSZ	
Mercury by SW-846 7471 in SW	ND	0.021	mg/kg	12/05/06	AM	
<b>(2) 841061130-02</b>						
<b>Date Collected: 11/30/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.56	mg/kg	12/06/06 12:12	DDD	
Trace Metals by 6010B						
Antimony	ND	0.56	mg/kg	12/05/06	BSZ	
Arsenic	ND	0.56	mg/kg	12/05/06	BSZ	
Barium	24	0.56	mg/kg	12/05/06	BSZ	
Beryllium	0.57	0.056	mg/kg	12/05/06	BSZ	
Cadmium	ND	0.11	mg/kg	12/05/06	BSZ	
Chromium	5.3	0.56	mg/kg	12/05/06	BSZ	
Copper	12	0.56	mg/kg	12/05/06	BSZ	
Lead	8.1	0.22	mg/kg	12/05/06	BSZ	
Nickel	3.3	0.56	mg/kg	12/05/06	BSZ	
Selenium	ND	0.56	mg/kg	12/05/06	BSZ	
Silver	ND	0.11	mg/kg	12/05/06	BSZ	
Thallium	ND	0.28	mg/kg	12/08/06	BSZ	
Zinc	13	0.56	mg/kg	12/05/06	BSZ	

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612052  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(2) 841061130-02 (continued)</b>						
<b><u>Date Collected: 11/30/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Mercury by SW-846 7471 in SW	ND	0.022	mg/kg	12/05/06	AM	
<b>(3) 841061130-03</b>						
<b><u>Date Collected: 11/30/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Cyanide, Total, by SW-846 9012	ND	0.56	mg/kg	12/06/06	12:13	DDD
Trace Metals by 6010B						
Antimony	ND	0.56	mg/kg	12/05/06	BSZ	
Arsenic	1.2	0.56	mg/kg	12/05/06	BSZ	
Barium	36	0.56	mg/kg	12/05/06	BSZ	
Beryllium	0.21	0.056	mg/kg	12/05/06	BSZ	
Cadmium	0.17	0.11	mg/kg	12/05/06	BSZ	
Chromium	7.1	0.56	mg/kg	12/05/06	BSZ	
Copper	91	0.56	mg/kg	12/05/06	BSZ	
Lead	40	0.22	mg/kg	12/05/06	BSZ	
Nickel	4.0	0.56	mg/kg	12/05/06	BSZ	
Selenium	ND	0.56	mg/kg	12/05/06	BSZ	
Silver	ND	0.11	mg/kg	12/05/06	BSZ	
Thallium	ND	0.28	mg/kg	12/05/06	BSZ	
Zinc	85	0.56	mg/kg	12/05/06	BSZ	
Mercury by SW-846 7471 in SW	0.029	0.022	mg/kg	12/05/06	AM	
<b>(4) 841061130-04</b>						
<b><u>Date Collected: 11/30/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Cyanide, Total, by SW-846 9012	ND	0.59	mg/kg	12/06/06	12:14	DDD

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612052  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
-----------	--------	----	-------	-----------	----	----------

**(4) 841061130-04 (continued)**

**Date Collected: 11/30/2006**      **Matrix: Solid**

Trace Metals by 6010B

Antimony	ND	0.59	mg/kg	12/05/06		BSZ
Arsenic	ND	0.59	mg/kg	12/05/06		BSZ
Barium	20	0.59	mg/kg	12/05/06		BSZ
Beryllium	0.19	0.059	mg/kg	12/05/06		BSZ
Cadmium	0.14	0.12	mg/kg	12/05/06		BSZ
Chromium	6.0	0.59	mg/kg	12/05/06		BSZ
Copper	43	0.59	mg/kg	12/05/06		BSZ
Lead	18	0.24	mg/kg	12/05/06		BSZ
Nickel	3.6	0.59	mg/kg	12/05/06		BSZ
Selenium	ND	0.59	mg/kg	12/05/06		BSZ
Silver	ND	0.12	mg/kg	12/05/06		BSZ
Thallium	ND	0.30	mg/kg	12/05/06		BSZ
Zinc	63	0.59	mg/kg	12/05/06		BSZ
Mercury by SW-846 7471 in SW	ND	0.024	mg/kg	12/05/06		AM

**(5) 841061130-05**

**Date Collected: 11/30/2006**      **Matrix: Solid**

Cyanide, Total, by SW-846 9012

Trace Metals by 6010B

Cyanide, Total, by SW-846 9012	ND	0.59	mg/kg	12/06/06	12:15	DDD
Trace Metals by 6010B						
Antimony	ND	0.59	mg/kg	12/05/06		BSZ
Arsenic	6.6	0.59	mg/kg	12/05/06		BSZ
Barium	36	0.59	mg/kg	12/05/06		BSZ
Beryllium	0.22	0.059	mg/kg	12/05/06		BSZ
Cadmium	0.13	0.12	mg/kg	12/05/06		BSZ
Chromium	35	0.59	mg/kg	12/05/06		BSZ
Copper	160	0.59	mg/kg	12/05/06		BSZ
Lead	25	0.23	mg/kg	12/05/06		BSZ
Nickel	6.2	0.59	mg/kg	12/05/06		BSZ
Selenium	ND	0.59	mg/kg	12/05/06		BSZ
Silver	ND	0.12	mg/kg	12/05/06		BSZ
Thallium	ND	0.29	mg/kg	12/08/06		BSZ
Zinc	27	0.59	mg/kg	12/05/06		BSZ
Mercury by SW-846 7471 in SW	0.14	0.023	mg/kg	12/05/06		AM



# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612052  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(6) 841061130-06</b>						
<b>Date Collected: 11/30/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.57	mg/kg	12/06/06 12:16	DDD	
Trace Metals by 6010B						
Antimony	ND	0.57	mg/kg	12/05/06	BSZ	
Arsenic	2.6	0.57	mg/kg	12/05/06	BSZ	
Barium	36	0.57	mg/kg	12/05/06	BSZ	
Beryllium	0.15	0.057	mg/kg	12/05/06	BSZ	
Cadmium	ND	0.11	mg/kg	12/05/06	BSZ	
Chromium	4.1	0.57	mg/kg	12/05/06	BSZ	
Copper	9.0	0.57	mg/kg	12/05/06	BSZ	
Lead	89	0.23	mg/kg	12/05/06	BSZ	
Nickel	5.0	0.57	mg/kg	12/05/06	BSZ	
Selenium	ND	0.57	mg/kg	12/05/06	BSZ	
Silver	ND	0.11	mg/kg	12/05/06	BSZ	
Thallium	ND	0.28	mg/kg	12/05/06	BSZ	
Zinc	54	0.57	mg/kg	12/05/06	BSZ	
Mercury by SW-846 7471 in SW	ND	0.023	mg/kg	12/05/06	AM	
<b>(7) 841061130-07</b>						
<b>Date Collected: 11/30/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.57	mg/kg	12/06/06 12:18	DDD	
Trace Metals by 6010B						
Antimony	ND	0.57	mg/kg	12/08/06	BSZ	
Arsenic	ND	0.57	mg/kg	12/08/06	BSZ	
Barium	48	0.57	mg/kg	12/08/06	BSZ	
Beryllium	0.34	0.057	mg/kg	12/08/06	BSZ	
Cadmium	0.34	0.11	mg/kg	12/08/06	BSZ	
Chromium	8.4	0.57	mg/kg	12/08/06	BSZ	
Copper	13	0.57	mg/kg	12/08/06	BSZ	
Lead	8.4	0.23	mg/kg	12/08/06	BSZ	
Nickel	23	0.57	mg/kg	12/08/06	BSZ	
Selenium	ND	0.57	mg/kg	12/08/06	BSZ	
Silver	ND	0.11	mg/kg	12/08/06	BSZ	
Thallium	ND	0.28	mg/kg	12/08/06	BSZ	
Zinc	20	0.57	mg/kg	12/08/06	BSZ	

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612052  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(7) 841061130-07 (continued)</b>						
<b><u>Date Collected: 11/30/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Mercury by SW-846 7471 in SW	0.034	0.023	mg/kg	12/05/06	AM	
<b>(8) 841061130-08</b>						
<b><u>Date Collected: 11/30/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Cyanide, Total, by SW-846 9012	ND	0.57	mg/kg	12/06/06	12:19	DDD
Trace Metals by 6010B						
Antimony	ND	0.57	mg/kg	12/08/06		BSZ
Arsenic	2.0	0.57	mg/kg	12/08/06		BSZ
Barium	24	0.57	mg/kg	12/08/06		BSZ
Beryllium	0.36	0.057	mg/kg	12/08/06		BSZ
Cadmium	0.19	0.11	mg/kg	12/08/06		BSZ
Chromium	5.4	0.57	mg/kg	12/08/06		BSZ
Copper	18	0.57	mg/kg	12/08/06		BSZ
Lead	22	0.23	mg/kg	12/08/06		BSZ
Nickel	37	0.57	mg/kg	12/08/06		BSZ
Selenium	ND	0.57	mg/kg	12/08/06		BSZ
Silver	ND	0.11	mg/kg	12/08/06		BSZ
Thallium	ND	0.28	mg/kg	12/08/06		BSZ
Zinc	26	0.57	mg/kg	12/08/06		BSZ
Mercury by SW-846 7471 in SW	0.051	0.023	mg/kg	12/05/06	AM	
<b>(9) 841061130-09</b>						
<b><u>Date Collected: 11/30/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Cyanide, Total, by SW-846 9012	ND	0.53	mg/kg	12/06/06	12:20	DDD

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612052  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
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**(9) 841061130-09 (continued)**

**Date Collected: 11/30/2006**      **Matrix: Solid**

Trace Metals by 6010B

Antimony	ND	0.53	mg/kg	12/08/06		BSZ
Arsenic	1.1	0.53	mg/kg	12/08/06		BSZ
Barium	39	0.53	mg/kg	12/08/06		BSZ
Beryllium	0.25	0.053	mg/kg	12/08/06		BSZ
Cadmium	0.22	0.10	mg/kg	12/08/06		BSZ
Chromium	5.1	0.53	mg/kg	12/08/06		BSZ
Copper	32	0.53	mg/kg	12/08/06		BSZ
Lead	20	0.21	mg/kg	12/08/06		BSZ
Nickel	4.9	0.53	mg/kg	12/08/06		BSZ
Selenium	ND	0.53	mg/kg	12/08/06		BSZ
Silver	ND	0.10	mg/kg	12/08/06		BSZ
Thallium	ND	0.26	mg/kg	12/08/06		BSZ
Zinc	48	0.53	mg/kg	12/08/06		BSZ
Mercury by SW-846 7471 in SW	0.023	0.021	mg/kg	12/05/06		AM

**(10) 841061130-10**

**Date Collected: 11/30/2006**      **Matrix: Solid**

Cyanide, Total, by SW-846 9012

Trace Metals by 6010B

Cyanide, Total, by SW-846 9012	ND	0.54	mg/kg	12/06/06	12:21	DDD
Trace Metals by 6010B						
Antimony	ND	0.54	mg/kg	12/08/06		BSZ
Arsenic	ND	0.54	mg/kg	12/08/06		BSZ
Barium	10	0.54	mg/kg	12/08/06		BSZ
Beryllium	0.13	0.054	mg/kg	12/08/06		BSZ
Cadmium	ND	0.11	mg/kg	12/08/06		BSZ
Chromium	3.5	0.54	mg/kg	12/08/06		BSZ
Copper	3.4	0.54	mg/kg	12/08/06		BSZ
Lead	1.6	0.22	mg/kg	12/08/06		BSZ
Nickel	14	0.54	mg/kg	12/08/06		BSZ
Selenium	ND	0.54	mg/kg	12/08/06		BSZ
Silver	ND	0.11	mg/kg	12/08/06		BSZ
Thallium	ND	0.27	mg/kg	12/08/06		BSZ
Zinc	6.8	0.54	mg/kg	12/08/06		BSZ
Mercury by SW-846 7471 in SW	ND	0.022	mg/kg	12/05/06		AM

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612052  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(11) 841061130-11</b>						
<b>Date Collected: 11/30/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.54	mg/kg	12/06/06 12:22	DDD	
Trace Metals by 6010B						
Antimony	ND	0.54	mg/kg	12/11/06	BSZ	
Arsenic	ND	0.54	mg/kg	12/08/06	BSZ	
Barium	28	0.54	mg/kg	12/08/06	BSZ	
Beryllium	0.18	0.054	mg/kg	12/08/06	BSZ	
Cadmium	0.46	0.11	mg/kg	12/08/06	BSZ	
Chromium	5.8	0.54	mg/kg	12/08/06	BSZ	
Copper	31	0.54	mg/kg	12/08/06	BSZ	
Lead	97	0.21	mg/kg	12/08/06	BSZ	
Nickel	10	0.54	mg/kg	12/08/06	BSZ	
Selenium	ND	0.54	mg/kg	12/08/06	BSZ	
Silver	ND	0.11	mg/kg	12/08/06	BSZ	
Thallium	ND	0.27	mg/kg	12/08/06	BSZ	
Zinc	71	0.54	mg/kg	12/08/06	BSZ	
Mercury by SW-846 7471 in SW	ND	0.021	mg/kg	12/05/06	AM	
<b>(12) 841061130-12</b>						
<b>Date Collected: 11/30/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.59	mg/kg	12/06/06 12:23	DDD	
Trace Metals by 6010B						
Antimony	ND	0.59	mg/kg	12/08/06	BSZ	
Arsenic	1.8	0.59	mg/kg	12/11/06	BSZ	
Barium	26	0.59	mg/kg	12/08/06	BSZ	
Beryllium	0.16	0.059	mg/kg	12/08/06	BSZ	
Cadmium	0.13	0.12	mg/kg	12/08/06	BSZ	
Chromium	7.4	0.59	mg/kg	12/08/06	BSZ	
Copper	20	0.59	mg/kg	12/08/06	BSZ	
Lead	25	0.23	mg/kg	12/11/06	BSZ	
Nickel	2.6	0.59	mg/kg	12/08/06	BSZ	
Selenium	ND	0.59	mg/kg	12/08/06	BSZ	
Silver	ND	0.12	mg/kg	12/08/06	BSZ	
Thallium	ND	0.29	mg/kg	12/08/06	BSZ	
Zinc	14	0.59	mg/kg	12/08/06	BSZ	

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612052  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(12) 841061130-12 (continued)</b>						
<b><u>Date Collected: 11/30/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Mercury by SW-846 7471 in SW	0.065	0.023	mg/kg	12/05/06	AM	
<b>(13) 841061130-13</b>						
<b><u>Date Collected: 11/30/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Cyanide, Total, by SW-846 9012	ND	0.55	mg/kg	12/06/06	DDD	
Trace Metals by 6010B						
Antimony	ND	0.55	mg/kg	12/08/06	BSZ	
Arsenic	ND	0.55	mg/kg	12/08/06	BSZ	
Barium	18	0.55	mg/kg	12/08/06	BSZ	
Beryllium	0.12	0.055	mg/kg	12/08/06	BSZ	
Cadmium	0.16	0.11	mg/kg	12/08/06	BSZ	
Chromium	2.2	0.55	mg/kg	12/08/06	BSZ	
Copper	5.0	0.55	mg/kg	12/08/06	BSZ	
Lead	9.2	0.22	mg/kg	12/11/06	BSZ	
Nickel	3.2	0.55	mg/kg	12/08/06	BSZ	
Selenium	ND	0.55	mg/kg	12/08/06	BSZ	
Silver	ND	0.11	mg/kg	12/08/06	BSZ	
Thallium	ND	0.27	mg/kg	12/08/06	BSZ	
Zinc	14	0.55	mg/kg	12/08/06	BSZ	
Mercury by SW-846 7471 in SW	ND	0.022	mg/kg	12/05/06	AM	
<b>(14) 841061130-14</b>						
<b><u>Date Collected: 11/30/2006</u></b>	<b><u>Matrix: Solid</u></b>					
Cyanide, Total, by SW-846 9012	ND	0.55	mg/kg	12/06/06	DDD	

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612052  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
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**(14) 841061130-14 (continued)**

**Date Collected: 11/30/2006**      **Matrix: Solid**

Trace Metals by 6010B

Antimony	ND	0.55	mg/kg	12/08/06	BSZ
Arsenic	ND	0.55	mg/kg	12/08/06	BSZ
Barium	11	0.55	mg/kg	12/08/06	BSZ
Beryllium	0.17	0.055	mg/kg	12/08/06	BSZ
Cadmium	ND	0.11	mg/kg	12/11/06	BSZ
Chromium	5.5	0.55	mg/kg	12/08/06	BSZ
Copper	2.9	0.55	mg/kg	12/08/06	BSZ
Lead	2.6	0.22	mg/kg	12/11/06	BSZ
Nickel	1.8	0.55	mg/kg	12/08/06	BSZ
Selenium	ND	0.55	mg/kg	12/08/06	BSZ
Silver	ND	0.11	mg/kg	12/08/06	BSZ
Thallium	ND	0.27	mg/kg	12/08/06	BSZ
Zinc	6.3	0.55	mg/kg	12/08/06	BSZ
Mercury by SW-846 7471 in SW	ND	0.022	mg/kg	12/05/06	AM

**(15) 841061130-15**

**Date Collected: 11/30/2006**      **Matrix: Solid**

Cyanide, Total, by SW-846 9012

Trace Metals by 6010B

Cyanide, Total, by SW-846 9012	ND	0.56	mg/kg	12/06/06	DDD
Antimony	ND	0.56	mg/kg	12/08/06	BSZ
Arsenic	ND	0.56	mg/kg	12/08/06	BSZ
Barium	14	0.56	mg/kg	12/08/06	BSZ
Beryllium	0.24	0.056	mg/kg	12/08/06	BSZ
Cadmium	0.15	0.11	mg/kg	12/08/06	BSZ
Chromium	6.0	0.56	mg/kg	12/08/06	BSZ
Copper	2.0	0.56	mg/kg	12/08/06	BSZ
Lead	3.4	0.23	mg/kg	12/11/06	BSZ
Nickel	2.0	0.56	mg/kg	12/08/06	BSZ
Selenium	ND	0.56	mg/kg	12/08/06	BSZ
Silver	ND	0.11	mg/kg	12/08/06	BSZ
Thallium	ND	0.28	mg/kg	12/08/06	BSZ
Zinc	4.0	0.56	mg/kg	12/08/06	BSZ
Mercury by SW-846 7471 in SW	ND	0.023	mg/kg	12/05/06	AM

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E612052  
 Date Received: 12/1/2006

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(16) 841061130-16</b>						
<b>Date Collected: 11/30/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.53	mg/kg	12/06/06	DDD	
Trace Metals by 6010B						
Antimony	ND	0.53	mg/kg	12/08/06	BSZ	
Arsenic	ND	0.53	mg/kg	12/08/06	BSZ	
Barium	9.2	0.53	mg/kg	12/08/06	BSZ	
Beryllium	0.081	0.053	mg/kg	12/08/06	BSZ	
Cadmium	ND	0.11	mg/kg	12/08/06	BSZ	
Chromium	1.4	0.53	mg/kg	12/08/06	BSZ	
Copper	2.5	0.53	mg/kg	12/08/06	BSZ	
Lead	1.5	0.21	mg/kg	12/11/06	BSZ	
Nickel	6.5	0.53	mg/kg	12/08/06	BSZ	
Selenium	ND	0.53	mg/kg	12/08/06	BSZ	
Silver	ND	0.11	mg/kg	12/08/06	BSZ	
Thallium	ND	0.27	mg/kg	12/08/06	BSZ	
Zinc	4.2	0.53	mg/kg	12/08/06	BSZ	
Mercury by SW-846 7471 in SW	ND	0.021	mg/kg	12/05/06	AM	
<b>(17) 841061130-17</b>						
<b>Date Collected: 11/30/2006</b>	<b>Matrix: Solid</b>					
Cyanide, Total, by SW-846 9012	ND	0.55	mg/kg	12/06/06	DDD	
Trace Metals by 6010B						
Antimony	ND	0.55	mg/kg	12/08/06	BSZ	
Arsenic	ND	0.55	mg/kg	12/08/06	BSZ	
Barium	17	0.55	mg/kg	12/08/06	BSZ	
Beryllium	0.15	0.055	mg/kg	12/08/06	BSZ	
Cadmium	ND	0.11	mg/kg	12/08/06	BSZ	
Chromium	5.7	0.55	mg/kg	12/08/06	BSZ	
Copper	25	0.55	mg/kg	12/08/06	BSZ	
Lead	4.7	0.22	mg/kg	12/11/06	BSZ	
Nickel	2.0	0.55	mg/kg	12/08/06	BSZ	
Selenium	ND	0.55	mg/kg	12/08/06	BSZ	
Silver	ND	0.11	mg/kg	12/08/06	BSZ	
Thallium	ND	0.28	mg/kg	12/08/06	BSZ	
Zinc	16	0.55	mg/kg	12/08/06	BSZ	

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
PL Report No: E612052  
Date Received: 12/1/2006

Customer: Fuss & O'Neill  
Location: Franklin, MA  
Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(17) 841061130-17 (continued)</b>						
<b><u>Date Collected: 11/30/2006</u>      <u>Matrix: Solid</u></b>						
Mercury by SW-846 7471 in SW	ND	0.022	mg/kg	12/05/06	AM	



### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	1	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-01
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	5.8
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6200	ug/kg
C9-C12 Aliphatics**	50	ND	6200	ug/kg
C9-C10 Aromatics***	50	ND	6200	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	102	70%-130%
2,5-dibromotoluene #2	111	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	310	ug/kg
Ethylbenzene	ND	310	ug/kg
Methyl tert-butyl ether (MTBE)	ND	62	ug/kg
Naphthalene	ND	310	ug/kg
Toluene	ND	310	ug/kg
m,p-Xylenes	ND	310	ug/kg
o-Xylene	ND	310	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 1

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-01

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 5.8

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28531.D;J28747.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	21
71-43-2	Benzene	ND	5.3
108-86-1	Bromobenzene	ND	5.3
74-97-5	Bromochloromethane	ND	5.3
75-27-4	Bromodichloromethane	ND	5.3
75-25-2	Bromoform	ND	5.3
74-83-9	Bromomethane	ND	10
78-93-3	2-Butanone (MEK)	ND	10
104-51-8	n-Butylbenzene	ND	5.3
135-98-8	sec-Butylbenzene	ND	5.3
98-06-6	tert-Butylbenzene	ND	5.3
75-15-0	Carbon disulfide	ND	5.3
56-23-5	Carbon tetrachloride	ND	5.3
108-90-7	Chlorobenzene	ND	5.3
75-00-3	Chloroethane	ND	10
67-66-3	Chloroform	ND	5.3
74-87-3	Chloromethane	ND	10
95-49-8	2-Chlorotoluene	ND	5.3
106-43-4	4-Chlorotoluene	ND	5.3
108-20-3	Di-isopropyl ether (DIPE)	ND	5.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.3
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.2
74-95-3	Dibromomethane	ND	5.3
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.3
106-46-7	1,4-Dichlorobenzene	ND	5.3
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	5.3
107-06-2	1,2-Dichloroethane	ND	5.3
75-35-4	1,1-Dichloroethene	ND	5.3
156-59-2	cis-1,2-Dichloroethene	ND	5.3
156-60-5	trans-1,2-Dichloroethene	ND	5.3
78-87-5	1,2-Dichloropropane	ND	5.3
142-28-9	1,3-Dichloropropane	ND	5.3
590-20-7	2,2-Dichloropropane	ND	5.3
563-58-6	1,1-Dichloropropene	ND	5.3
10061-01-5	cis-1,3-Dichloropropene	ND	5.3
10061-02-6	trans-1,3-Dichloropropene	ND	5.3
60-29-7	Diethyl ether	ND	10
123-91-1	1,4-Dioxane	ND	21

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 1 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-01

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 5.8

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28531.D;J28747.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	53
100-41-4	Ethylbenzene	ND	5.3
87-68-3	Hexachlorobutadiene	ND	5.3
591-78-6	2-Hexanone	ND	10
98-82-8	Isopropylbenzene	ND	5.3
99-87-6	4-Isopropyltoluene	ND	5.3
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10
75-09-2	Methylene chloride	ND	5.3
91-20-3	Naphthalene	ND	5.3
103-65-1	n-Propylbenzene	ND	5.3
100-42-5	Styrene	ND	5.3
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	53
109-99-9	Tetrahydrofuran	ND	5.3
96-18-4	1,2,3-Trichloropropane	ND	5.3
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	ND	5.3
108-88-3	Toluene	ND	5.3
87-61-6	1,2,3-Trichlorobenzene	ND	5.3
120-82-1	1,2,4-Trichlorobenzene	ND	5.3
71-55-6	1,1,1-Trichloroethane	ND	5.3
79-00-5	1,1,2-Trichloroethane	ND	5.3
79-01-6	Trichloroethene (TCE)	ND	5.3
75-69-4	Trichlorofluoromethane	ND	10
95-63-6	1,2,4-Trimethylbenzene	ND	5.3
108-67-8	1,3,5-Trimethylbenzene	ND	5.3
75-01-4	Vinyl chloride	ND	10
95-47-6	o-Xylene	ND	5.3
	m,p-Xylenes	ND	5.3

Surrogate	Recovery	Limits
Bromofluorobenzene	86%	78%-111%
1,2-Dichloroethane-d4	102%	91%-114%
Toluene-d8	102%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	2	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-02
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	11.0
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6500	ug/kg
C9-C12 Aliphatics**	50	ND	6500	ug/kg
C9-C10 Aromatics***	50	ND	6500	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	98	70%-130%
2,5-dibromotoluene #2	108	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	330	ug/kg
Ethylbenzene	ND	330	ug/kg
Methyl tert-butyl ether (MTBE)	ND	65	ug/kg
Naphthalene	ND	330	ug/kg
Toluene	ND	330	ug/kg
m,p-Xylenes	ND	330	ug/kg
o-Xylene	ND	330	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 2

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-02

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 11.0

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28532.D;J28748.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	22
71-43-2	Benzene	ND	5.6
108-86-1	Bromobenzene	ND	5.6
74-97-5	Bromochloromethane	ND	5.6
75-27-4	Bromodichloromethane	ND	5.6
75-25-2	Bromoform	ND	5.6
74-83-9	Bromomethane	ND	11
78-93-3	2-Butanone (MEK)	ND	11
104-51-8	n-Butylbenzene	ND	5.6
135-98-8	sec-Butylbenzene	ND	5.6
98-06-6	tert-Butylbenzene	ND	5.6
75-15-0	Carbon disulfide	ND	5.6
56-23-5	Carbon tetrachloride	ND	5.6
108-90-7	Chlorobenzene	ND	5.6
75-00-3	Chloroethane	ND	11
67-66-3	Chloroform	ND	5.6
74-87-3	Chloromethane	ND	11
95-49-8	2-Chlorotoluene	ND	5.6
106-43-4	4-Chlorotoluene	ND	5.6
108-20-3	Di-isopropyl ether (DIPE)	ND	56
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.6
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.4
74-95-3	Dibromomethane	ND	5.6
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.6
106-46-7	1,4-Dichlorobenzene	ND	5.6
75-71-8	Dichlorodifluoromethane	ND	11
75-34-3	1,1-Dichloroethane	ND	5.6
107-06-2	1,2-Dichloroethane	ND	5.6
75-35-4	1,1-Dichloroethene	ND	5.6
156-59-2	cis-1,2-Dichloroethene	ND	5.6
156-60-5	trans-1,2-Dichloroethene	ND	5.6
78-87-5	1,2-Dichloropropane	ND	5.6
142-28-9	1,3-Dichloropropane	ND	5.6
590-20-7	2,2-Dichloropropane	ND	5.6
563-58-6	1,1-Dichloropropene	ND	5.6
10061-01-5	cis-1,3-Dichloropropene	ND	5.6
10061-02-6	trans-1,3-Dichloropropene	ND	5.6
60-29-7	Diethyl ether	ND	11
123-91-1	1,4-Dioxane	ND	22

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 2 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-02

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 11.0

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28532.D;J28748.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	56
100-41-4	Ethylbenzene	ND	5.6
87-68-3	Hexachlorobutadiene	ND	5.6
591-78-6	2-Hexanone	ND	11
98-82-8	Isopropylbenzene	ND	5.6
99-87-6	4-Isopropyltoluene	ND	5.6
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11
75-09-2	Methylene chloride	ND	5.6
91-20-3	Naphthalene	ND	5.6
103-65-1	n-Propylbenzene	ND	5.6
100-42-5	Styrene	ND	5.6
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	56
109-99-9	Tetrahydrofuran	ND	5.6
96-18-4	1,2,3-Trichloropropane	ND	5.6
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	ND	5.6
108-88-3	Toluene	ND	5.6
87-61-6	1,2,3-Trichlorobenzene	ND	5.6
120-82-1	1,2,4-Trichlorobenzene	ND	5.6
71-55-6	1,1,1-Trichloroethane	ND	5.6
79-00-5	1,1,2-Trichloroethane	ND	5.6
79-01-6	Trichloroethene (TCE)	ND	5.6
75-69-4	Trichlorofluoromethane	ND	11
95-63-6	1,2,4-Trimethylbenzene	ND	5.6
108-67-8	1,3,5-Trimethylbenzene	ND	5.6
75-01-4	Vinyl chloride	ND	11
95-47-6	o-Xylene	ND	5.6
	m,p-Xylenes	ND	5.6
Surrogate	Recovery	Limits	
Bromofluorobenzene	97%	78%-111%	
1,2-Dichloroethane-d4	102%	91%-114%	
Toluene-d8	94%	86%-115%	

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	3	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-03
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	10.7
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6900	ug/kg
C9-C12 Aliphatics**	50	ND	6900	ug/kg
C9-C10 Aromatics***	50	ND	6900	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	96	70%-130%
2,5-dibromotoluene #2	105	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	350	ug/kg
Ethylbenzene	ND	350	ug/kg
Methyl tert-butyl ether (MTBE)	ND	69	ug/kg
Naphthalene	ND	350	ug/kg
Toluene	ND	350	ug/kg
m,p-Xylenes	ND	350	ug/kg
o-Xylene	ND	350	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 3

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-03

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 10.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28533.D;J28749.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	20
71-43-2	Benzene	ND	5.1
108-86-1	Bromobenzene	ND	5.1
74-97-5	Bromochloromethane	ND	5.1
75-27-4	Bromodichloromethane	ND	5.1
75-25-2	Bromoform	ND	5.1
74-83-9	Bromomethane	ND	10
78-93-3	2-Butanone (MEK)	ND	10
104-51-8	n-Butylbenzene	ND	5.1
135-98-8	sec-Butylbenzene	ND	5.1
98-06-6	tert-Butylbenzene	ND	5.1
75-15-0	Carbon disulfide	ND	5.1
56-23-5	Carbon tetrachloride	ND	5.1
108-90-7	Chlorobenzene	ND	5.1
75-00-3	Chloroethane	ND	10
67-66-3	Chloroform	ND	5.1
74-87-3	Chloromethane	ND	10
95-49-8	2-Chlorotoluene	ND	5.1
106-43-4	4-Chlorotoluene	ND	5.1
108-20-3	Di-isopropyl ether (DIPE)	ND	51
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.1
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.1
74-95-3	Dibromomethane	ND	5.1
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.1
106-46-7	1,4-Dichlorobenzene	ND	5.1
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	5.1
107-06-2	1,2-Dichloroethane	ND	5.1
75-35-4	1,1-Dichloroethene	ND	5.1
156-59-2	cis-1,2-Dichloroethene	ND	5.1
156-60-5	trans-1,2-Dichloroethene	ND	5.1
78-87-5	1,2-Dichloropropane	ND	5.1
142-28-9	1,3-Dichloropropane	ND	5.1
590-20-7	2,2-Dichloropropane	ND	5.1
563-58-6	1,1-Dichloropropene	ND	5.1
10061-01-5	cis-1,3-Dichloropropene	ND	5.1
10061-02-6	trans-1,3-Dichloropropene	ND	5.1
60-29-7	Diethyl ether	ND	10
123-91-1	1,4-Dioxane	ND	20



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 3 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-03

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 10.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28533.D;J28749.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	51
100-41-4	Ethylbenzene	ND	5.1
87-68-3	Hexachlorobutadiene	ND	5.1
591-78-6	2-Hexanone	ND	10
98-82-8	Isopropylbenzene	ND	5.1
99-87-6	4-Isopropyltoluene	ND	5.1
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10
75-09-2	Methylene chloride	ND	5.1
91-20-3	Naphthalene	ND	5.1
103-65-1	n-Propylbenzene	ND	5.1
100-42-5	Styrene	ND	5.1
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	51
109-99-9	Tetrahydrofuran	ND	5.1
96-18-4	1,2,3-Trichloropropane	ND	5.1
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	ND	5.1
108-88-3	Toluene	17	5.1
87-61-6	1,2,3-Trichlorobenzene	ND	5.1
120-82-1	1,2,4-Trichlorobenzene	ND	5.1
71-55-6	1,1,1-Trichloroethane	ND	5.1
79-00-5	1,1,2-Trichloroethane	ND	5.1
79-01-6	Trichloroethene (TCE)	ND	5.1
75-69-4	Trichlorofluoromethane	ND	10
95-63-6	1,2,4-Trimethylbenzene	ND	5.1
108-67-8	1,3,5-Trimethylbenzene	ND	5.1
75-01-4	Vinyl chloride	ND	10
95-47-6	o-Xylene	ND	5.1
	m,p-Xylenes	7.0	5.1
Surrogate	Recovery	Limits	
Bromofluorobenzene	89%	78%-111%	
1,2-Dichloroethane-d4	103%	91%-114%	
Toluene-d8	101%	86%-115%	

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	4	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-04
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	15.8
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	8800	ug/kg
C9-C12 Aliphatics**	50	ND	8800	ug/kg
C9-C10 Aromatics***	50	ND	8800	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	105	70%-130%
2,5-dibromotoluene #2	112	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	440	ug/kg
Ethylbenzene	ND	440	ug/kg
Methyl tert-butyl ether (MTBE)	ND	88	ug/kg
Naphthalene	ND	440	ug/kg
Toluene	ND	440	ug/kg
m,p-Xylenes	ND	440	ug/kg
o-Xylene	ND	440	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 4

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-04

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 15.8

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/04/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50061

Lab Data File: J28510.D;J28750.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	23
71-43-2	Benzene	ND	5.8
108-86-1	Bromobenzene	ND	5.8
74-97-5	Bromochloromethane	ND	5.8
75-27-4	Bromodichloromethane	ND	5.8
75-25-2	Bromoform	ND	5.8
74-83-9	Bromomethane	ND	12
78-93-3	2-Butanone (MEK)	ND	12
104-51-8	n-Butylbenzene	ND	5.8
135-98-8	sec-Butylbenzene	ND	5.8
98-06-6	tert-Butylbenzene	ND	5.8
75-15-0	Carbon disulfide	ND	5.8
56-23-5	Carbon tetrachloride	ND	5.8
108-90-7	Chlorobenzene	ND	5.8
75-00-3	Chloroethane	ND	12
67-66-3	Chloroform	ND	5.8
74-87-3	Chloromethane	ND	12
95-49-8	2-Chlorotoluene	ND	5.8
106-43-4	4-Chlorotoluene	ND	5.8
108-20-3	Di-isopropyl ether (DIPE)	ND	58
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.8
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.5
74-95-3	Dibromomethane	ND	5.8
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.8
106-46-7	1,4-Dichlorobenzene	ND	5.8
75-71-8	Dichlorodifluoromethane	ND	12
75-34-3	1,1-Dichloroethane	ND	5.8
107-06-2	1,2-Dichloroethane	ND	5.8
75-35-4	1,1-Dichloroethene	ND	5.8
156-59-2	cis-1,2-Dichloroethene	ND	5.8
156-60-5	trans-1,2-Dichloroethene	ND	5.8
78-87-5	1,2-Dichloropropane	ND	5.8
142-28-9	1,3-Dichloropropane	ND	5.8
590-20-7	2,2-Dichloropropane	ND	5.8
563-58-6	1,1-Dichloropropene	ND	5.8
10061-01-5	cis-1,3-Dichloropropene	ND	5.8
10061-02-6	trans-1,3-Dichloropropene	ND	5.8
60-29-7	Diethyl ether	ND	12
123-91-1	1,4-Dioxane	ND	23

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 4 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-04

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 15.8

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/04/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50061

Lab Data File: J28510.D;J28750.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	58
100-41-4	Ethylbenzene	ND	5.8
87-68-3	Hexachlorobutadiene	ND	5.8
591-78-6	2-Hexanone	ND	12
98-82-8	Isopropylbenzene	ND	5.8
99-87-6	4-Isopropyltoluene	ND	5.8
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	12
75-09-2	Methylene chloride	ND	5.8
91-20-3	Naphthalene	10	5.8
103-65-1	n-Propylbenzene	ND	5.8
100-42-5	Styrene	ND	5.8
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	58
109-99-9	Tetrahydrofuran	ND	5.8
96-18-4	1,2,3-Trichloropropane	ND	5.8
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	ND	5.8
108-88-3	Toluene	ND	5.8
87-61-6	1,2,3-Trichlorobenzene	ND	5.8
120-82-1	1,2,4-Trichlorobenzene	ND	5.8
71-55-6	1,1,1-Trichloroethane	ND	5.8
79-00-5	1,1,2-Trichloroethane	ND	5.8
79-01-6	Trichloroethene (TCE)	ND	5.8
75-69-4	Trichlorofluoromethane	ND	12
95-63-6	1,2,4-Trimethylbenzene	ND	5.8
108-67-8	1,3,5-Trimethylbenzene	ND	5.8
75-01-4	Vinyl chloride	ND	12
95-47-6	o-Xylene	ND	5.8
	m,p-Xylenes	ND	5.8

Surrogate	Recovery	Limits
Bromofluorobenzene	96%	78%-111%
1,2-Dichloroethane-d4	103%	91%-114%
Toluene-d8	97%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	5	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-05
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	14.7
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	7900	ug/kg
C9-C12 Aliphatics**	50	ND	7900	ug/kg
C9-C10 Aromatics***	50	ND	7900	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	107	70%-130%
2,5-dibromotoluene #2	112	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	390	ug/kg
Ethylbenzene	ND	390	ug/kg
Methyl tert-butyl ether (MTBE)	ND	79	ug/kg
Naphthalene	ND	390	ug/kg
Toluene	ND	390	ug/kg
m,p-Xylenes	ND	390	ug/kg
o-Xylene	ND	390	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 5

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-05

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 14.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/04/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50061

Lab Data File: J28511.D;M32618.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	21
71-43-2	Benzene	ND	5.3
108-86-1	Bromobenzene	ND	5.3
74-97-5	Bromochloromethane	ND	5.3
75-27-4	Bromodichloromethane	ND	5.3
75-25-2	Bromoform	ND	5.3
74-83-9	Bromomethane	ND	11
78-93-3	2-Butanone (MEK)	ND	11
104-51-8	n-Butylbenzene	ND	5.3
135-98-8	sec-Butylbenzene	ND	5.3
98-06-6	tert-Butylbenzene	ND	5.3
75-15-0	Carbon disulfide	ND	5.3
56-23-5	Carbon tetrachloride	ND	5.3
108-90-7	Chlorobenzene	ND	5.3
75-00-3	Chloroethane	ND	11
67-66-3	Chloroform	ND	5.3
74-87-3	Chloromethane	ND	11
95-49-8	2-Chlorotoluene	ND	5.3
106-43-4	4-Chlorotoluene	ND	5.3
108-20-3	Di-isopropyl ether (DIPE)	ND	5.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.3
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.2
74-95-3	Dibromomethane	ND	5.3
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.3
106-46-7	1,4-Dichlorobenzene	ND	5.3
75-71-8	Dichlorodifluoromethane	ND	11
75-34-3	1,1-Dichloroethane	ND	5.3
107-06-2	1,2-Dichloroethane	ND	5.3
75-35-4	1,1-Dichloroethene	ND	5.3
156-59-2	cis-1,2-Dichloroethene	ND	5.3
156-60-5	trans-1,2-Dichloroethene	ND	5.3
78-87-5	1,2-Dichloropropane	ND	5.3
142-28-9	1,3-Dichloropropane	ND	5.3
590-20-7	2,2-Dichloropropane	ND	5.3
563-58-6	1,1-Dichloropropene	ND	5.3
10061-01-5	cis-1,3-Dichloropropene	ND	5.3
10061-02-6	trans-1,3-Dichloropropene	ND	5.3
60-29-7	Diethyl ether	ND	11
123-91-1	1,4-Dioxane	ND	21

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 5 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-05

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 14.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/04/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50061

Lab Data File: J28511.D;M32618.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	53
100-41-4	Ethylbenzene	ND	5.3
87-68-3	Hexachlorobutadiene	ND	5.3
591-78-6	2-Hexanone	ND	11
98-82-8	Isopropylbenzene	ND	5.3
99-87-6	4-Isopropyltoluene	ND	5.3
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11
75-09-2	Methylene chloride	ND	5.3
91-20-3	Naphthalene	ND	5.3
103-65-1	n-Propylbenzene	ND	5.3
100-42-5	Styrene	ND	5.3
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	53
109-99-9	Tetrahydrofuran	ND	5.3
96-18-4	1,2,3-Trichloropropane	ND	5.3
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	28	5.3
108-88-3	Toluene	ND	5.3
87-61-6	1,2,3-Trichlorobenzene	ND	5.3
120-82-1	1,2,4-Trichlorobenzene	ND	5.3
71-55-6	1,1,1-Trichloroethane	ND	5.3
79-00-5	1,1,2-Trichloroethane	ND	5.3
79-01-6	Trichloroethene (TCE)	12	5.3
75-69-4	Trichlorofluoromethane	ND	11
95-63-6	1,2,4-Trimethylbenzene	ND	5.3
108-67-8	1,3,5-Trimethylbenzene	ND	5.3
75-01-4	Vinyl chloride	ND	11
95-47-6	o-Xylene	ND	5.3
	m,p-Xylenes	ND	5.3

Surrogate	Recovery	Limits
Bromofluorobenzene	74%	78%-111%
1,2-Dichloroethane-d4	101%	91%-114%
Toluene-d8	115%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	6	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-06
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	12.3
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	7000	ug/kg
C9-C12 Aliphatics**	50	ND	7000	ug/kg
C9-C10 Aromatics***	50	ND	7000	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	102	70%-130%
2,5-dibromotoluene #2	110	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	350	ug/kg
Ethylbenzene	ND	350	ug/kg
Methyl tert-butyl ether (MTBE)	ND	70	ug/kg
Naphthalene	ND	350	ug/kg
Toluene	ND	350	ug/kg
m,p-Xylenes	ND	350	ug/kg
o-Xylene	ND	350	ug/kg



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 6

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-06

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 12.3

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28535.D;M32619.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	22
71-43-2	Benzene	ND	5.5
108-86-1	Bromobenzene	ND	5.5
74-97-5	Bromochloromethane	ND	5.5
75-27-4	Bromodichloromethane	ND	5.5
75-25-2	Bromoform	ND	5.5
74-83-9	Bromomethane	ND	11
78-93-3	2-Butanone (MEK)	ND	11
104-51-8	n-Butylbenzene	ND	5.5
135-98-8	sec-Butylbenzene	ND	5.5
98-06-6	tert-Butylbenzene	ND	5.5
75-15-0	Carbon disulfide	ND	5.5
56-23-5	Carbon tetrachloride	ND	5.5
108-90-7	Chlorobenzene	ND	5.5
75-00-3	Chloroethane	ND	11
67-66-3	Chloroform	ND	5.5
74-87-3	Chloromethane	ND	11
95-49-8	2-Chlorotoluene	ND	5.5
106-43-4	4-Chlorotoluene	ND	5.5
108-20-3	Di-isopropyl ether (DIPE)	ND	55
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.5
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.3
74-95-3	Dibromomethane	ND	5.5
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.5
106-46-7	1,4-Dichlorobenzene	ND	5.5
75-71-8	Dichlorodifluoromethane	ND	11
75-34-3	1,1-Dichloroethane	ND	5.5
107-06-2	1,2-Dichloroethane	ND	5.5
75-35-4	1,1-Dichloroethene	ND	5.5
156-59-2	cis-1,2-Dichloroethene	ND	5.5
156-60-5	trans-1,2-Dichloroethene	ND	5.5
78-87-5	1,2-Dichloropropane	ND	5.5
142-28-9	1,3-Dichloropropane	ND	5.5
590-20-7	2,2-Dichloropropane	ND	5.5
563-58-6	1,1-Dichloropropene	ND	5.5
10061-01-5	cis-1,3-Dichloropropene	ND	5.5
10061-02-6	trans-1,3-Dichloropropene	ND	5.5
60-29-7	Diethyl ether	ND	11
123-91-1	1,4-Dioxane	ND	22

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 6 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-06

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 12.3

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28535.D;M32619.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	55
100-41-4	Ethylbenzene	ND	5.5
87-68-3	Hexachlorobutadiene	ND	5.5
591-78-6	2-Hexanone	ND	11
98-82-8	Isopropylbenzene	ND	5.5
99-87-6	4-Isopropyltoluene	ND	5.5
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11
75-09-2	Methylene chloride	ND	5.5
91-20-3	Naphthalene	ND	5.5
103-65-1	n-Propylbenzene	ND	5.5
100-42-5	Styrene	ND	5.5
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	55
109-99-9	Tetrahydrofuran	ND	5.5
96-18-4	1,2,3-Trichloropropane	ND	5.5
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	45	5.5
108-88-3	Toluene	ND	5.5
87-61-6	1,2,3-Trichlorobenzene	ND	5.5
120-82-1	1,2,4-Trichlorobenzene	ND	5.5
71-55-6	1,1,1-Trichloroethane	ND	5.5
79-00-5	1,1,2-Trichloroethane	ND	5.5
79-01-6	Trichloroethene (TCE)	21	5.5
75-69-4	Trichlorofluoromethane	ND	11
95-63-6	1,2,4-Trimethylbenzene	ND	5.5
108-67-8	1,3,5-Trimethylbenzene	ND	5.5
75-01-4	Vinyl chloride	ND	11
95-47-6	o-Xylene	ND	5.5
	m,p-Xylenes	ND	5.5

Surrogate	Recovery	Limits
Bromofluorobenzene	84%	78%-111%
1,2-Dichloroethane-d4	108%	91%-114%
Toluene-d8	104%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	7	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-07
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	12.3
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	7000	ug/kg
C9-C12 Aliphatics**	50	ND	7000	ug/kg
C9-C10 Aromatics***	50	ND	7000	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	101	70%-130%
2,5-dibromotoluene #2	107	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	350	ug/kg
Ethylbenzene	ND	350	ug/kg
Methyl tert-butyl ether (MTBE)	ND	70	ug/kg
Naphthalene	ND	350	ug/kg
Toluene	ND	350	ug/kg
m,p-Xylenes	ND	350	ug/kg
o-Xylene	ND	350	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 7

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-07

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 12.3

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 100

Method: 8260B

Soil Extract Volume:

QC Batch#: 51012

Lab Data File: M32519.D;M32620.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	2300
71-43-2	Benzene	ND	570
108-86-1	Bromobenzene	ND	570
74-97-5	Bromochloromethane	ND	570
75-27-4	Bromodichloromethane	ND	570
75-25-2	Bromoform	ND	570
74-83-9	Bromomethane	ND	1100
78-93-3	2-Butanone (MEK)	ND	1100
104-51-8	n-Butylbenzene	ND	570
135-98-8	sec-Butylbenzene	ND	570
98-06-6	tert-Butylbenzene	ND	570
75-15-0	Carbon disulfide	ND	570
56-23-5	Carbon tetrachloride	ND	570
108-90-7	Chlorobenzene	ND	570
75-00-3	Chloroethane	ND	1100
67-66-3	Chloroform	ND	570
74-87-3	Chloromethane	ND	1100
95-49-8	2-Chlorotoluene	ND	570
106-43-4	4-Chlorotoluene	ND	570
108-20-3	Di-isopropyl ether (DIPE)	ND	57
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	570
124-48-1	Dibromochloromethane	ND	570
106-93-4	1,2-Dibromoethane (EDB)	ND	340
74-95-3	Dibromomethane	ND	570
95-50-1	1,2-Dichlorobenzene	ND	570
541-73-1	1,3-Dichlorobenzene	ND	570
106-46-7	1,4-Dichlorobenzene	ND	570
75-71-8	Dichlorodifluoromethane	ND	1100
75-34-3	1,1-Dichloroethane	ND	570
107-06-2	1,2-Dichloroethane	ND	570
75-35-4	1,1-Dichloroethene	ND	570
156-59-2	cis-1,2-Dichloroethene	ND	570
156-60-5	trans-1,2-Dichloroethene	ND	570
78-87-5	1,2-Dichloropropane	ND	570
142-28-9	1,3-Dichloropropane	ND	570
590-20-7	2,2-Dichloropropane	ND	570
563-58-6	1,1-Dichloropropene	ND	570
10061-01-5	cis-1,3-Dichloropropene	ND	570
10061-02-6	trans-1,3-Dichloropropene	ND	570
60-29-7	Diethyl ether	ND	1100
123-91-1	1,4-Dioxane	ND	2300

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 7 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-07

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 12.3

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 100

Method: 8260B

Soil Extract Volume:

QC Batch#: 51012

Lab Data File: M32519.D;M32620.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	57
100-41-4	Ethylbenzene	ND	570
87-68-3	Hexachlorobutadiene	ND	570
591-78-6	2-Hexanone	ND	1100
98-82-8	Isopropylbenzene	ND	570
99-87-6	4-Isopropyltoluene	ND	570
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	570
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	1100
75-09-2	Methylene chloride	ND	570
91-20-3	Naphthalene	ND	570
103-65-1	n-Propylbenzene	ND	570
100-42-5	Styrene	ND	570
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	57
109-99-9	Tetrahydrofuran	ND	570
96-18-4	1,2,3-Trichloropropane	ND	570
630-20-6	1,1,1,2-Tetrachloroethane	ND	570
79-34-5	1,1,2,2-Tetrachloroethane	ND	570
127-18-4	Tetrachloroethene (PCE)	15000	570
108-88-3	Toluene	ND	570
87-61-6	1,2,3-Trichlorobenzene	ND	570
120-82-1	1,2,4-Trichlorobenzene	ND	570
71-55-6	1,1,1-Trichloroethane	ND	570
79-00-5	1,1,2-Trichloroethane	ND	570
79-01-6	Trichloroethene (TCE)	19000	570
75-69-4	Trichlorofluoromethane	ND	1100
95-63-6	1,2,4-Trimethylbenzene	ND	570
108-67-8	1,3,5-Trimethylbenzene	ND	570
75-01-4	Vinyl chloride	ND	1100
95-47-6	o-Xylene	ND	570
	m,p-Xylenes	ND	570

Surrogate	Recovery	Limits
Bromofluorobenzene	90%	78%-111%
1,2-Dichloroethane-d4	99%	91%-114%
Toluene-d8	104%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	8	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-08
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	11.7
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6900	ug/kg
C9-C12 Aliphatics**	50	ND	6900	ug/kg
C9-C10 Aromatics***	50	ND	6900	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	95	70%-130%
2,5-dibromotoluene #2	99	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	340	ug/kg
Ethylbenzene	ND	340	ug/kg
Methyl tert-butyl ether (MTBE)	ND	69	ug/kg
Naphthalene	ND	340	ug/kg
Toluene	ND	340	ug/kg
m,p-Xylenes	ND	340	ug/kg
o-Xylene	ND	340	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 8

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-08

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 11.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/07/06 By: GP

Dilution Factor: 200

Method: 8260B

Soil Extract Volume:

QC Batch#: 51101

Lab Data File: J28611.D;M32621.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	4500
71-43-2	Benzene	ND	1100
108-86-1	Bromobenzene	ND	1100
74-97-5	Bromochloromethane	ND	1100
75-27-4	Bromodichloromethane	ND	1100
75-25-2	Bromoform	ND	1100
74-83-9	Bromomethane	ND	2300
78-93-3	2-Butanone (MEK)	ND	2300
104-51-8	n-Butylbenzene	ND	1100
135-98-8	sec-Butylbenzene	ND	1100
98-06-6	tert-Butylbenzene	ND	1100
75-15-0	Carbon disulfide	ND	1100
56-23-5	Carbon tetrachloride	ND	1100
108-90-7	Chlorobenzene	ND	1100
75-00-3	Chloroethane	ND	2300
67-66-3	Chloroform	ND	1100
74-87-3	Chloromethane	ND	2300
95-49-8	2-Chlorotoluene	ND	1100
106-43-4	4-Chlorotoluene	ND	1100
108-20-3	Di-isopropyl ether (DIPE)	ND	57
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	1100
124-48-1	Dibromochloromethane	ND	1100
106-93-4	1,2-Dibromoethane (EDB)	ND	680
74-95-3	Dibromomethane	ND	1100
95-50-1	1,2-Dichlorobenzene	ND	1100
541-73-1	1,3-Dichlorobenzene	ND	1100
106-46-7	1,4-Dichlorobenzene	ND	1100
75-71-8	Dichlorodifluoromethane	ND	2300
75-34-3	1,1-Dichloroethane	ND	1100
107-06-2	1,2-Dichloroethane	ND	1100
75-35-4	1,1-Dichloroethene	ND	1100
156-59-2	cis-1,2-Dichloroethene	ND	1100
156-60-5	trans-1,2-Dichloroethene	ND	1100
78-87-5	1,2-Dichloropropane	ND	1100
142-28-9	1,3-Dichloropropane	ND	1100
590-20-7	2,2-Dichloropropane	ND	1100
563-58-6	1,1-Dichloropropene	ND	1100
10061-01-5	cis-1,3-Dichloropropene	ND	1100
10061-02-6	trans-1,3-Dichloropropene	ND	1100
60-29-7	Diethyl ether	ND	2300
123-91-1	1,4-Dioxane	ND	4500

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 8 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-08

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 11.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/07/06 By: GP

Dilution Factor: 200

Method: 8260B

Soil Extract Volume:

QC Batch#: 51101

Lab Data File: J28611.D;M32621.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	57
100-41-4	Ethylbenzene	ND	1100
87-68-3	Hexachlorobutadiene	ND	1100
591-78-6	2-Hexanone	ND	2300
98-82-8	Isopropylbenzene	ND	1100
99-87-6	4-Isopropyltoluene	ND	1100
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1100
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2300
75-09-2	Methylene chloride	ND	1100
91-20-3	Naphthalene	ND	1100
103-65-1	n-Propylbenzene	ND	1100
100-42-5	Styrene	ND	1100
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	57
109-99-9	Tetrahydrofuran	ND	1100
96-18-4	1,2,3-Trichloropropane	ND	1100
630-20-6	1,1,1,2-Tetrachloroethane	ND	1100
79-34-5	1,1,2,2-Tetrachloroethane	ND	1100
127-18-4	Tetrachloroethene (PCE)	20000	1100
108-88-3	Toluene	ND	1100
87-61-6	1,2,3-Trichlorobenzene	ND	1100
120-82-1	1,2,4-Trichlorobenzene	ND	1100
71-55-6	1,1,1-Trichloroethane	ND	1100
79-00-5	1,1,2-Trichloroethane	ND	1100
79-01-6	Trichloroethene (TCE)	31000	1100
75-69-4	Trichlorofluoromethane	ND	2300
95-63-6	1,2,4-Trimethylbenzene	ND	1100
108-67-8	1,3,5-Trimethylbenzene	ND	1100
75-01-4	Vinyl chloride	ND	2300
95-47-6	o-Xylene	ND	1100
	m,p-Xylenes	ND	1100

Surrogate	Recovery	Limits
Bromofluorobenzene	88%	87%-105%
1,2-Dichloroethane-d4	102%	91%-109%
Toluene-d8	97%	92%-105%



### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	9	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-09
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	5.6
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	5900	ug/kg
C9-C12 Aliphatics**	50	ND	5900	ug/kg
C9-C10 Aromatics***	50	ND	5900	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	93	70%-130%
2,5-dibromotoluene #2	98	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	290	ug/kg
Ethylbenzene	ND	290	ug/kg
Methyl tert-butyl ether (MTBE)	ND	59	ug/kg
Naphthalene	ND	290	ug/kg
Toluene	ND	290	ug/kg
m,p-Xylenes	ND	290	ug/kg
o-Xylene	ND	290	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 9

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-09

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 5.6

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28536.D;M32622.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	20
71-43-2	Benzene	ND	5.0
108-86-1	Bromobenzene	ND	5.0
74-97-5	Bromochloromethane	ND	5.0
75-27-4	Bromodichloromethane	ND	5.0
75-25-2	Bromoform	ND	5.0
74-83-9	Bromomethane	ND	10
78-93-3	2-Butanone (MEK)	ND	10
104-51-8	n-Butylbenzene	ND	5.0
135-98-8	sec-Butylbenzene	ND	5.0
98-06-6	tert-Butylbenzene	ND	5.0
75-15-0	Carbon disulfide	ND	5.0
56-23-5	Carbon tetrachloride	ND	5.0
108-90-7	Chlorobenzene	ND	5.0
75-00-3	Chloroethane	ND	10
67-66-3	Chloroform	ND	5.0
74-87-3	Chloromethane	ND	10
95-49-8	2-Chlorotoluene	ND	5.0
106-43-4	4-Chlorotoluene	ND	5.0
108-20-3	Di-isopropyl ether (DIPE)	ND	50
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.0
74-95-3	Dibromomethane	ND	5.0
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.0
106-46-7	1,4-Dichlorobenzene	ND	5.0
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	5.0
107-06-2	1,2-Dichloroethane	ND	5.0
75-35-4	1,1-Dichloroethene	ND	5.0
156-59-2	cis-1,2-Dichloroethene	ND	5.0
156-60-5	trans-1,2-Dichloroethene	ND	5.0
78-87-5	1,2-Dichloropropane	ND	5.0
142-28-9	1,3-Dichloropropane	ND	5.0
590-20-7	2,2-Dichloropropane	ND	5.0
563-58-6	1,1-Dichloropropene	ND	5.0
10061-01-5	cis-1,3-Dichloropropene	ND	5.0
10061-02-6	trans-1,3-Dichloropropene	ND	5.0
60-29-7	Diethyl ether	ND	10
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 9 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-09

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 5.6

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28536.D;M32622.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	50
100-41-4	Ethylbenzene	ND	5.0
87-68-3	Hexachlorobutadiene	ND	5.0
591-78-6	2-Hexanone	ND	10
98-82-8	Isopropylbenzene	ND	5.0
99-87-6	4-Isopropyltoluene	ND	5.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	5.0
103-65-1	n-Propylbenzene	ND	5.0
100-42-5	Styrene	ND	5.0
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	50
109-99-9	Tetrahydrofuran	ND	5.0
96-18-4	1,2,3-Trichloropropane	ND	5.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	110	5.0
108-88-3	Toluene	ND	5.0
87-61-6	1,2,3-Trichlorobenzene	ND	5.0
120-82-1	1,2,4-Trichlorobenzene	ND	5.0
71-55-6	1,1,1-Trichloroethane	ND	5.0
79-00-5	1,1,2-Trichloroethane	ND	5.0
79-01-6	Trichloroethene (TCE)	58	5.0
75-69-4	Trichlorofluoromethane	ND	10
95-63-6	1,2,4-Trimethylbenzene	ND	5.0
108-67-8	1,3,5-Trimethylbenzene	ND	5.0
75-01-4	Vinyl chloride	ND	10
95-47-6	o-Xylene	ND	5.0
	m,p-Xylenes	ND	5.0

Surrogate	Recovery	Limits
Bromofluorobenzene	78%	78%-111%
1,2-Dichloroethane-d4	109%	91%-114%
Toluene-d8	107%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	10	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-10
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	8.1
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6500	ug/kg
C9-C12 Aliphatics**	50	ND	6500	ug/kg
C9-C10 Aromatics***	50	ND	6500	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	99	70%-130%
2,5-dibromotoluene #2	105	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	330	ug/kg
Ethylbenzene	ND	330	ug/kg
Methyl tert-butyl ether (MTBE)	ND	65	ug/kg
Naphthalene	ND	330	ug/kg
Toluene	ND	330	ug/kg
m,p-Xylenes	ND	330	ug/kg
o-Xylene	ND	330	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 10

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-10

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.1

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28537.D;M32623.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	21
71-43-2	Benzene	ND	5.3
108-86-1	Bromobenzene	ND	5.3
74-97-5	Bromochloromethane	ND	5.3
75-27-4	Bromodichloromethane	ND	5.3
75-25-2	Bromoform	ND	5.3
74-83-9	Bromomethane	ND	10
78-93-3	2-Butanone (MEK)	ND	10
104-51-8	n-Butylbenzene	ND	5.3
135-98-8	sec-Butylbenzene	ND	5.3
98-06-6	tert-Butylbenzene	ND	5.3
75-15-0	Carbon disulfide	ND	5.3
56-23-5	Carbon tetrachloride	ND	5.3
108-90-7	Chlorobenzene	ND	5.3
75-00-3	Chloroethane	ND	10
67-66-3	Chloroform	ND	5.3
74-87-3	Chloromethane	ND	10
95-49-8	2-Chlorotoluene	ND	5.3
106-43-4	4-Chlorotoluene	ND	5.3
108-20-3	Di-isopropyl ether (DIPE)	ND	5.3
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.3
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.2
74-95-3	Dibromomethane	ND	5.3
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.3
106-46-7	1,4-Dichlorobenzene	ND	5.3
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	5.3
107-06-2	1,2-Dichloroethane	ND	5.3
75-35-4	1,1-Dichloroethene	ND	5.3
156-59-2	cis-1,2-Dichloroethene	ND	5.3
156-60-5	trans-1,2-Dichloroethene	ND	5.3
78-87-5	1,2-Dichloropropane	ND	5.3
142-28-9	1,3-Dichloropropane	ND	5.3
590-20-7	2,2-Dichloropropane	ND	5.3
563-58-6	1,1-Dichloropropene	ND	5.3
10061-01-5	cis-1,3-Dichloropropene	ND	5.3
10061-02-6	trans-1,3-Dichloropropene	ND	5.3
60-29-7	Diethyl ether	ND	10
123-91-1	1,4-Dioxane	ND	21

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 10 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-10

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.1

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28537.D;M32623.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	53
100-41-4	Ethylbenzene	ND	5.3
87-68-3	Hexachlorobutadiene	ND	5.3
591-78-6	2-Hexanone	ND	10
98-82-8	Isopropylbenzene	ND	5.3
99-87-6	4-Isopropyltoluene	ND	5.3
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10
75-09-2	Methylene chloride	ND	5.3
91-20-3	Naphthalene	ND	5.3
103-65-1	n-Propylbenzene	ND	5.3
100-42-5	Styrene	ND	5.3
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	53
109-99-9	Tetrahydrofuran	ND	5.3
96-18-4	1,2,3-Trichloropropane	ND	5.3
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	22	5.3
108-88-3	Toluene	ND	5.3
87-61-6	1,2,3-Trichlorobenzene	ND	5.3
120-82-1	1,2,4-Trichlorobenzene	ND	5.3
71-55-6	1,1,1-Trichloroethane	ND	5.3
79-00-5	1,1,2-Trichloroethane	ND	5.3
79-01-6	Trichloroethene (TCE)	9.6	5.3
75-69-4	Trichlorofluoromethane	ND	10
95-63-6	1,2,4-Trimethylbenzene	ND	5.3
108-67-8	1,3,5-Trimethylbenzene	ND	5.3
75-01-4	Vinyl chloride	ND	10
95-47-6	o-Xylene	ND	5.3
	m,p-Xylenes	ND	5.3

Surrogate	Recovery	Limits
Bromofluorobenzene	93%	78%-111%
1,2-Dichloroethane-d4	105%	91%-114%
Toluene-d8	95%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	11	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-11
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	6.6
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	5900	ug/kg
C9-C12 Aliphatics**	50	ND	5900	ug/kg
C9-C10 Aromatics***	50	ND	5900	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	92	70%-130%
2,5-dibromotoluene #2	100	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	300	ug/kg
Ethylbenzene	ND	300	ug/kg
Methyl tert-butyl ether (MTBE)	ND	59	ug/kg
Naphthalene	ND	300	ug/kg
Toluene	ND	300	ug/kg
m,p-Xylenes	ND	300	ug/kg
o-Xylene	ND	300	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 11

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-11

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 6.6

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/07/06 By: GP

Dilution Factor: 200

Method: 8260B

Soil Extract Volume:

QC Batch#: 51101

Lab Data File: J28600.D;M32624.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	4300
71-43-2	Benzene	ND	1100
108-86-1	Bromobenzene	ND	1100
74-97-5	Bromochloromethane	ND	1100
75-27-4	Bromodichloromethane	ND	1100
75-25-2	Bromoform	ND	1100
74-83-9	Bromomethane	ND	2100
78-93-3	2-Butanone (MEK)	ND	2100
104-51-8	n-Butylbenzene	ND	1100
135-98-8	sec-Butylbenzene	ND	1100
98-06-6	tert-Butylbenzene	ND	1100
75-15-0	Carbon disulfide	ND	1100
56-23-5	Carbon tetrachloride	ND	1100
108-90-7	Chlorobenzene	ND	1100
75-00-3	Chloroethane	ND	2100
67-66-3	Chloroform	ND	1100
74-87-3	Chloromethane	ND	2100
95-49-8	2-Chlorotoluene	ND	1100
106-43-4	4-Chlorotoluene	ND	1100
108-20-3	Di-isopropyl ether (DIPE)	ND	54
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	1100
124-48-1	Dibromochloromethane	ND	1100
106-93-4	1,2-Dibromoethane (EDB)	ND	640
74-95-3	Dibromomethane	ND	1100
95-50-1	1,2-Dichlorobenzene	ND	1100
541-73-1	1,3-Dichlorobenzene	ND	1100
106-46-7	1,4-Dichlorobenzene	ND	1100
75-71-8	Dichlorodifluoromethane	ND	2100
75-34-3	1,1-Dichloroethane	ND	1100
107-06-2	1,2-Dichloroethane	ND	1100
75-35-4	1,1-Dichloroethene	ND	1100
156-59-2	cis-1,2-Dichloroethene	ND	1100
156-60-5	trans-1,2-Dichloroethene	ND	1100
78-87-5	1,2-Dichloropropane	ND	1100
142-28-9	1,3-Dichloropropane	ND	1100
590-20-7	2,2-Dichloropropane	ND	1100
563-58-6	1,1-Dichloropropene	ND	1100
10061-01-5	cis-1,3-Dichloropropene	ND	1100
10061-02-6	trans-1,3-Dichloropropene	ND	1100
60-29-7	Diethyl ether	ND	2100
123-91-1	1,4-Dioxane	ND	4300



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 11 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-11

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 6.6

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/07/06 By: GP

Dilution Factor: 200

Method: 8260B

Soil Extract Volume:

QC Batch#: 51101

Lab Data File: J28600.D;M32624.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	54
100-41-4	Ethylbenzene	ND	1100
87-68-3	Hexachlorobutadiene	ND	1100
591-78-6	2-Hexanone	ND	2100
98-82-8	Isopropylbenzene	ND	1100
99-87-6	4-Isopropyltoluene	ND	1100
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1100
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	2100
75-09-2	Methylene chloride	ND	1100
91-20-3	Naphthalene	ND	1100
103-65-1	n-Propylbenzene	ND	1100
100-42-5	Styrene	ND	1100
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	54
109-99-9	Tetrahydrofuran	ND	1100
96-18-4	1,2,3-Trichloropropane	ND	1100
630-20-6	1,1,1,2-Tetrachloroethane	ND	1100
79-34-5	1,1,2,2-Tetrachloroethane	ND	1100
127-18-4	Tetrachloroethene (PCE)	34000	1100
108-88-3	Toluene	ND	1100
87-61-6	1,2,3-Trichlorobenzene	ND	1100
120-82-1	1,2,4-Trichlorobenzene	ND	1100
71-55-6	1,1,1-Trichloroethane	ND	1100
79-00-5	1,1,2-Trichloroethane	ND	1100
79-01-6	Trichloroethene (TCE)	6700	1100
75-69-4	Trichlorofluoromethane	ND	2100
95-63-6	1,2,4-Trimethylbenzene	ND	1100
108-67-8	1,3,5-Trimethylbenzene	ND	1100
75-01-4	Vinyl chloride	ND	2100
95-47-6	o-Xylene	ND	1100
	m,p-Xylenes	ND	1100

Surrogate	Recovery	Limits
Bromofluorobenzene	89%	87%-105%
1,2-Dichloroethane-d4	101%	91%-109%
Toluene-d8	98%	92%-105%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	12	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-12
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	14.7
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	7800	ug/kg
C9-C12 Aliphatics**	50	ND	7800	ug/kg
C9-C10 Aromatics***	50	ND	7800	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	99	70%-130%
2,5-dibromotoluene #2	107	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	390	ug/kg
Ethylbenzene	ND	390	ug/kg
Methyl tert-butyl ether (MTBE)	ND	78	ug/kg
Naphthalene	ND	390	ug/kg
Toluene	ND	390	ug/kg
m,p-Xylenes	ND	390	ug/kg
o-Xylene	ND	390	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 12

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-12

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 14.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28538.D;M32625.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	23
71-43-2	Benzene	ND	5.8
108-86-1	Bromobenzene	ND	5.8
74-97-5	Bromochloromethane	ND	5.8
75-27-4	Bromodichloromethane	ND	5.8
75-25-2	Bromoform	ND	5.8
74-83-9	Bromomethane	ND	12
78-93-3	2-Butanone (MEK)	ND	12
104-51-8	n-Butylbenzene	ND	5.8
135-98-8	sec-Butylbenzene	ND	5.8
98-06-6	tert-Butylbenzene	ND	5.8
75-15-0	Carbon disulfide	ND	5.8
56-23-5	Carbon tetrachloride	ND	5.8
108-90-7	Chlorobenzene	ND	5.8
75-00-3	Chloroethane	ND	12
67-66-3	Chloroform	ND	5.8
74-87-3	Chloromethane	ND	12
95-49-8	2-Chlorotoluene	ND	5.8
106-43-4	4-Chlorotoluene	ND	5.8
108-20-3	Di-isopropyl ether (DIPE)	ND	58
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.8
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.5
74-95-3	Dibromomethane	ND	5.8
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.8
106-46-7	1,4-Dichlorobenzene	ND	5.8
75-71-8	Dichlorodifluoromethane	ND	12
75-34-3	1,1-Dichloroethane	ND	5.8
107-06-2	1,2-Dichloroethane	ND	5.8
75-35-4	1,1-Dichloroethene	ND	5.8
156-59-2	cis-1,2-Dichloroethene	ND	5.8
156-60-5	trans-1,2-Dichloroethene	ND	5.8
78-87-5	1,2-Dichloropropane	ND	5.8
142-28-9	1,3-Dichloropropane	ND	5.8
590-20-7	2,2-Dichloropropane	ND	5.8
563-58-6	1,1-Dichloropropene	ND	5.8
10061-01-5	cis-1,3-Dichloropropene	ND	5.8
10061-02-6	trans-1,3-Dichloropropene	ND	5.8
60-29-7	Diethyl ether	ND	12
123-91-1	1,4-Dioxane	ND	23

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 12 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-12

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 14.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28538.D;M32625.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	58
100-41-4	Ethylbenzene	ND	5.8
87-68-3	Hexachlorobutadiene	ND	5.8
591-78-6	2-Hexanone	ND	12
98-82-8	Isopropylbenzene	ND	5.8
99-87-6	4-Isopropyltoluene	ND	5.8
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	12
75-09-2	Methylene chloride	ND	5.8
91-20-3	Naphthalene	ND	5.8
103-65-1	n-Propylbenzene	ND	5.8
100-42-5	Styrene	ND	5.8
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	58
109-99-9	Tetrahydrofuran	ND	5.8
96-18-4	1,2,3-Trichloropropane	ND	5.8
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	310	5.8
108-88-3	Toluene	ND	5.8
87-61-6	1,2,3-Trichlorobenzene	ND	5.8
120-82-1	1,2,4-Trichlorobenzene	ND	5.8
71-55-6	1,1,1-Trichloroethane	ND	5.8
79-00-5	1,1,2-Trichloroethane	ND	5.8
79-01-6	Trichloroethene (TCE)	79	5.8
75-69-4	Trichlorofluoromethane	ND	12
95-63-6	1,2,4-Trimethylbenzene	ND	5.8
108-67-8	1,3,5-Trimethylbenzene	ND	5.8
75-01-4	Vinyl chloride	ND	12
95-47-6	o-Xylene	ND	5.8
	m,p-Xylenes	ND	5.8
Surrogate	Recovery	Limits	
Bromofluorobenzene	87%	78%-111%	
1,2-Dichloroethane-d4	100%	91%-114%	
Toluene-d8	101%	86%-115%	

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	13	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-13
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	8.6
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6400	ug/kg
C9-C12 Aliphatics**	50	ND	6400	ug/kg
C9-C10 Aromatics***	50	ND	6400	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	97	70%-130%
2,5-dibromotoluene #2	107	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	320	ug/kg
Ethylbenzene	ND	320	ug/kg
Methyl tert-butyl ether (MTBE)	ND	64	ug/kg
Naphthalene	ND	320	ug/kg
Toluene	ND	320	ug/kg
m,p-Xylenes	ND	320	ug/kg
o-Xylene	ND	320	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 13

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-13

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.6

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50999

Lab Data File: J28553.D;M32626.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	21
71-43-2	Benzene	ND	5.2
108-86-1	Bromobenzene	ND	5.2
74-97-5	Bromochloromethane	ND	5.2
75-27-4	Bromodichloromethane	ND	5.2
75-25-2	Bromoform	ND	5.2
74-83-9	Bromomethane	ND	10
78-93-3	2-Butanone (MEK)	ND	10
104-51-8	n-Butylbenzene	ND	5.2
135-98-8	sec-Butylbenzene	ND	5.2
98-06-6	tert-Butylbenzene	ND	5.2
75-15-0	Carbon disulfide	ND	5.2
56-23-5	Carbon tetrachloride	ND	5.2
108-90-7	Chlorobenzene	ND	5.2
75-00-3	Chloroethane	ND	10
67-66-3	Chloroform	ND	5.2
74-87-3	Chloromethane	ND	10
95-49-8	2-Chlorotoluene	ND	5.2
106-43-4	4-Chlorotoluene	ND	5.2
108-20-3	Di-isopropyl ether (DIPE)	ND	5.2
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.2
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.1
74-95-3	Dibromomethane	ND	5.2
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.2
106-46-7	1,4-Dichlorobenzene	ND	5.2
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	5.2
107-06-2	1,2-Dichloroethane	ND	5.2
75-35-4	1,1-Dichloroethene	ND	5.2
156-59-2	cis-1,2-Dichloroethene	ND	5.2
156-60-5	trans-1,2-Dichloroethene	ND	5.2
78-87-5	1,2-Dichloropropane	ND	5.2
142-28-9	1,3-Dichloropropane	ND	5.2
590-20-7	2,2-Dichloropropane	ND	5.2
563-58-6	1,1-Dichloropropene	ND	5.2
10061-01-5	cis-1,3-Dichloropropene	ND	5.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.2
60-29-7	Diethyl ether	ND	10
123-91-1	1,4-Dioxane	ND	21

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 13 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-13

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.6

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50999

Lab Data File: J28553.D;M32626.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	52
100-41-4	Ethylbenzene	ND	5.2
87-68-3	Hexachlorobutadiene	ND	5.2
591-78-6	2-Hexanone	ND	10
98-82-8	Isopropylbenzene	ND	5.2
99-87-6	4-Isopropyltoluene	ND	5.2
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10
75-09-2	Methylene chloride	ND	5.2
91-20-3	Naphthalene	ND	5.2
103-65-1	n-Propylbenzene	ND	5.2
100-42-5	Styrene	ND	5.2
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	52
109-99-9	Tetrahydrofuran	ND	5.2
96-18-4	1,2,3-Trichloropropane	ND	5.2
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	130	5.2
108-88-3	Toluene	ND	5.2
87-61-6	1,2,3-Trichlorobenzene	ND	5.2
120-82-1	1,2,4-Trichlorobenzene	ND	5.2
71-55-6	1,1,1-Trichloroethane	ND	5.2
79-00-5	1,1,2-Trichloroethane	ND	5.2
79-01-6	Trichloroethene (TCE)	150	5.2
75-69-4	Trichlorofluoromethane	ND	10
95-63-6	1,2,4-Trimethylbenzene	ND	5.2
108-67-8	1,3,5-Trimethylbenzene	ND	5.2
75-01-4	Vinyl chloride	ND	10
95-47-6	o-Xylene	ND	5.2
	m,p-Xylenes	ND	5.2

Surrogate	Recovery	Limits
Bromofluorobenzene	66%	78%-111%
1,2-Dichloroethane-d4	104%	91%-114%
Toluene-d8	117%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	14	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-14
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	8.9
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6400	ug/kg
C9-C12 Aliphatics**	50	ND	6400	ug/kg
C9-C10 Aromatics***	50	ND	6400	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	98	70%-130%
2,5-dibromotoluene #2	105	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	320	ug/kg
Ethylbenzene	ND	320	ug/kg
Methyl tert-butyl ether (MTBE)	ND	64	ug/kg
Naphthalene	ND	320	ug/kg
Toluene	ND	320	ug/kg
m,p-Xylenes	ND	320	ug/kg
o-Xylene	ND	320	ug/kg



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 14

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-14

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.9

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28540.D;J28554.;M32627.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	22
71-43-2	Benzene	ND	5.4
108-86-1	Bromobenzene	ND	5.4
74-97-5	Bromochloromethane	ND	5.4
75-27-4	Bromodichloromethane	ND	5.4
75-25-2	Bromoform	ND	5.4
74-83-9	Bromomethane	ND	11
78-93-3	2-Butanone (MEK)	ND	11
104-51-8	n-Butylbenzene	ND	5.4
135-98-8	sec-Butylbenzene	ND	5.4
98-06-6	tert-Butylbenzene	ND	5.4
75-15-0	Carbon disulfide	ND	5.4
56-23-5	Carbon tetrachloride	ND	5.4
108-90-7	Chlorobenzene	ND	5.4
75-00-3	Chloroethane	ND	11
67-66-3	Chloroform	ND	5.4
74-87-3	Chloromethane	ND	11
95-49-8	2-Chlorotoluene	ND	5.4
106-43-4	4-Chlorotoluene	ND	5.4
108-20-3	Di-isopropyl ether (DIPE)	ND	5.4
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.4
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.2
74-95-3	Dibromomethane	ND	5.4
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.4
106-46-7	1,4-Dichlorobenzene	ND	5.4
75-71-8	Dichlorodifluoromethane	ND	11
75-34-3	1,1-Dichloroethane	ND	5.4
107-06-2	1,2-Dichloroethane	ND	5.4
75-35-4	1,1-Dichloroethene	ND	5.4
156-59-2	cis-1,2-Dichloroethene	ND	5.4
156-60-5	trans-1,2-Dichloroethene	ND	5.4
78-87-5	1,2-Dichloropropane	ND	5.4
142-28-9	1,3-Dichloropropane	ND	5.4
590-20-7	2,2-Dichloropropane	ND	5.4
563-58-6	1,1-Dichloropropene	ND	5.4
10061-01-5	cis-1,3-Dichloropropene	ND	5.4
10061-02-6	trans-1,3-Dichloropropene	ND	5.4
60-29-7	Diethyl ether	ND	11
123-91-1	1,4-Dioxane	ND	22

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 14 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-14

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.9

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28540.D;J28554.;M32627.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	54
100-41-4	Ethylbenzene	ND	5.4
87-68-3	Hexachlorobutadiene	ND	5.4
591-78-6	2-Hexanone	ND	11
98-82-8	Isopropylbenzene	ND	5.4
99-87-6	4-Isopropyltoluene	ND	5.4
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11
75-09-2	Methylene chloride	ND	5.4
91-20-3	Naphthalene	ND	5.4
103-65-1	n-Propylbenzene	ND	5.4
100-42-5	Styrene	ND	5.4
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	54
109-99-9	Tetrahydrofuran	ND	5.4
96-18-4	1,2,3-Trichloropropane	ND	5.4
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	120	5.4
108-88-3	Toluene	ND	5.4
87-61-6	1,2,3-Trichlorobenzene	ND	5.4
120-82-1	1,2,4-Trichlorobenzene	ND	5.4
71-55-6	1,1,1-Trichloroethane	ND	5.4
79-00-5	1,1,2-Trichloroethane	ND	5.4
79-01-6	Trichloroethene (TCE)	67	5.4
75-69-4	Trichlorofluoromethane	ND	11
95-63-6	1,2,4-Trimethylbenzene	ND	5.4
108-67-8	1,3,5-Trimethylbenzene	ND	5.4
75-01-4	Vinyl chloride	ND	11
95-47-6	o-Xylene	ND	5.4
	m,p-Xylenes	ND	5.4
Surrogate	Recovery	Limits	
Bromofluorobenzene	79%	78%-111%	
1,2-Dichloroethane-d4	106%	91%-114%	
Toluene-d8	104%	86%-115%	

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	15	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-15
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	11.6
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	7600	ug/kg
C9-C12 Aliphatics**	50	ND	7600	ug/kg
C9-C10 Aromatics***	50	ND	7600	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	97	70%-130%
2,5-dibromotoluene #2	105	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	380	ug/kg
Ethylbenzene	ND	380	ug/kg
Methyl tert-butyl ether (MTBE)	ND	76	ug/kg
Naphthalene	ND	380	ug/kg
Toluene	ND	380	ug/kg
m,p-Xylenes	ND	380	ug/kg
o-Xylene	ND	380	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 15

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-15

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 11.6

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28541.D;M32628.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	21
71-43-2	Benzene	ND	5.2
108-86-1	Bromobenzene	ND	5.2
74-97-5	Bromochloromethane	ND	5.2
75-27-4	Bromodichloromethane	ND	5.2
75-25-2	Bromoform	ND	5.2
74-83-9	Bromomethane	ND	10
78-93-3	2-Butanone (MEK)	ND	10
104-51-8	n-Butylbenzene	ND	5.2
135-98-8	sec-Butylbenzene	ND	5.2
98-06-6	tert-Butylbenzene	ND	5.2
75-15-0	Carbon disulfide	ND	5.2
56-23-5	Carbon tetrachloride	ND	5.2
108-90-7	Chlorobenzene	ND	5.2
75-00-3	Chloroethane	ND	10
67-66-3	Chloroform	ND	5.2
74-87-3	Chloromethane	ND	10
95-49-8	2-Chlorotoluene	ND	5.2
106-43-4	4-Chlorotoluene	ND	5.2
108-20-3	Di-isopropyl ether (DIPE)	ND	5.2
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.2
124-48-1	Dibromochloromethane	ND	5.0
106-93-4	1,2-Dibromoethane (EDB)	ND	3.1
74-95-3	Dibromomethane	ND	5.2
95-50-1	1,2-Dichlorobenzene	ND	5.0
541-73-1	1,3-Dichlorobenzene	ND	5.2
106-46-7	1,4-Dichlorobenzene	ND	5.2
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	5.2
107-06-2	1,2-Dichloroethane	ND	5.2
75-35-4	1,1-Dichloroethene	ND	5.2
156-59-2	cis-1,2-Dichloroethene	ND	5.2
156-60-5	trans-1,2-Dichloroethene	ND	5.2
78-87-5	1,2-Dichloropropane	ND	5.2
142-28-9	1,3-Dichloropropane	ND	5.2
590-20-7	2,2-Dichloropropane	ND	5.2
563-58-6	1,1-Dichloropropene	ND	5.2
10061-01-5	cis-1,3-Dichloropropene	ND	5.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.2
60-29-7	Diethyl ether	ND	10
123-91-1	1,4-Dioxane	ND	21

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 15 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-15

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 11.6

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/05/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50075

Lab Data File: J28541.D;M32628.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	52
100-41-4	Ethylbenzene	ND	5.2
87-68-3	Hexachlorobutadiene	ND	5.2
591-78-6	2-Hexanone	ND	10
98-82-8	Isopropylbenzene	ND	5.2
99-87-6	4-Isopropyltoluene	ND	5.2
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10
75-09-2	Methylene chloride	ND	5.2
91-20-3	Naphthalene	ND	5.2
103-65-1	n-Propylbenzene	ND	5.2
100-42-5	Styrene	ND	5.2
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	52
109-99-9	Tetrahydrofuran	ND	5.2
96-18-4	1,2,3-Trichloropropane	ND	5.2
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0
127-18-4	Tetrachloroethene (PCE)	13	5.2
108-88-3	Toluene	ND	5.2
87-61-6	1,2,3-Trichlorobenzene	ND	5.2
120-82-1	1,2,4-Trichlorobenzene	ND	5.2
71-55-6	1,1,1-Trichloroethane	73	5.2
79-00-5	1,1,2-Trichloroethane	ND	5.2
79-01-6	Trichloroethene (TCE)	37	5.2
75-69-4	Trichlorofluoromethane	ND	10
95-63-6	1,2,4-Trimethylbenzene	ND	5.2
108-67-8	1,3,5-Trimethylbenzene	ND	5.2
75-01-4	Vinyl chloride	ND	10
95-47-6	o-Xylene	ND	5.2
	m,p-Xylenes	ND	5.2

Surrogate	Recovery	Limits
Bromofluorobenzene	43%	78%-111%
1,2-Dichloroethane-d4	105%	91%-114%
Toluene-d8	148%	86%-115%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	16	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-16
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	6.2
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6000	ug/kg
C9-C12 Aliphatics**	50	ND	6000	ug/kg
C9-C10 Aromatics***	50	ND	6000	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	109	70%-130%
2,5-dibromotoluene #2	116	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	300	ug/kg
Ethylbenzene	ND	300	ug/kg
Methyl tert-butyl ether (MTBE)	ND	60	ug/kg
Naphthalene	2300	300	ug/kg
Toluene	ND	300	ug/kg
m,p-Xylenes	ND	300	ug/kg
o-Xylene	ND	300	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 16

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-16

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 6.2

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50999

Lab Data File: J28559.D;M32629.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	20
71-43-2	Benzene	ND	4.9
108-86-1	Bromobenzene	ND	4.9
74-97-5	Bromochloromethane	ND	4.9
75-27-4	Bromodichloromethane	ND	4.9
75-25-2	Bromoform	ND	4.9
74-83-9	Bromomethane	ND	9.8
78-93-3	2-Butanone (MEK)	ND	9.8
104-51-8	n-Butylbenzene	ND	4.9
135-98-8	sec-Butylbenzene	ND	4.9
98-06-6	tert-Butylbenzene	ND	4.9
75-15-0	Carbon disulfide	ND	4.9
56-23-5	Carbon tetrachloride	ND	4.9
108-90-7	Chlorobenzene	ND	4.9
75-00-3	Chloroethane	ND	9.8
67-66-3	Chloroform	ND	4.9
74-87-3	Chloromethane	ND	9.8
95-49-8	2-Chlorotoluene	ND	4.9
106-43-4	4-Chlorotoluene	ND	4.9
108-20-3	Di-isopropyl ether (DIPE)	ND	50
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	4.9
124-48-1	Dibromochloromethane	ND	4.9
106-93-4	1,2-Dibromoethane (EDB)	ND	2.9
74-95-3	Dibromomethane	ND	4.9
95-50-1	1,2-Dichlorobenzene	ND	4.9
541-73-1	1,3-Dichlorobenzene	ND	4.9
106-46-7	1,4-Dichlorobenzene	ND	4.9
75-71-8	Dichlorodifluoromethane	ND	9.8
75-34-3	1,1-Dichloroethane	ND	4.9
107-06-2	1,2-Dichloroethane	ND	4.9
75-35-4	1,1-Dichloroethene	ND	4.9
156-59-2	cis-1,2-Dichloroethene	ND	4.9
156-60-5	trans-1,2-Dichloroethene	ND	4.9
78-87-5	1,2-Dichloropropane	ND	4.9
142-28-9	1,3-Dichloropropane	ND	4.9
590-20-7	2,2-Dichloropropane	ND	4.9
563-58-6	1,1-Dichloropropene	ND	4.9
10061-01-5	cis-1,3-Dichloropropene	ND	4.9
10061-02-6	trans-1,3-Dichloropropene	ND	4.9
60-29-7	Diethyl ether	ND	9.8
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 16 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-16

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 6.2

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50999

Lab Data File: J28559.D;M32629.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	50
100-41-4	Ethylbenzene	ND	4.9
87-68-3	Hexachlorobutadiene	ND	4.9
591-78-6	2-Hexanone	ND	9.8
98-82-8	Isopropylbenzene	ND	4.9
99-87-6	4-Isopropyltoluene	ND	4.9
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	4.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	9.8
75-09-2	Methylene chloride	ND	4.9
91-20-3	Naphthalene	ND	4.9
103-65-1	n-Propylbenzene	ND	4.9
100-42-5	Styrene	ND	4.9
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	50
109-99-9	Tetrahydrofuran	ND	4.9
96-18-4	1,2,3-Trichloropropane	ND	4.9
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9
127-18-4	Tetrachloroethene (PCE)	18	4.9
108-88-3	Toluene	ND	4.9
87-61-6	1,2,3-Trichlorobenzene	ND	4.9
120-82-1	1,2,4-Trichlorobenzene	ND	4.9
71-55-6	1,1,1-Trichloroethane	17	4.9
79-00-5	1,1,2-Trichloroethane	ND	4.9
79-01-6	Trichloroethene (TCE)	44	4.9
75-69-4	Trichlorofluoromethane	ND	9.8
95-63-6	1,2,4-Trimethylbenzene	ND	4.9
108-67-8	1,3,5-Trimethylbenzene	ND	4.9
75-01-4	Vinyl chloride	ND	9.8
95-47-6	o-Xylene	ND	4.9
	m,p-Xylenes	ND	4.9
Surrogate	Recovery	Limits	
Bromofluorobenzene	64%	78%-111%	
1,2-Dichloroethane-d4	104%	91%-114%	
Toluene-d8	119%	86%-115%	



### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	17	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841061130-17
		Dilution (Target):	50
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Analyzed:	12/05/06	Percent Moisture:	9.3
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6100	ug/kg
C9-C12 Aliphatics**	50	ND	6100	ug/kg
C9-C10 Aromatics***	50	ND	6100	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	99	70%-130%
2,5-dibromotoluene #2	109	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	310	ug/kg
Ethylbenzene	ND	310	ug/kg
Methyl tert-butyl ether (MTBE)	ND	61	ug/kg
Naphthalene	ND	310	ug/kg
Toluene	ND	310	ug/kg
m,p-Xylenes	ND	310	ug/kg
o-Xylene	ND	310	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 17

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-17

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 9.3

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50999

Lab Data File: J28560.D;M32630.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	18
71-43-2	Benzene	ND	4.6
108-86-1	Bromobenzene	ND	4.6
74-97-5	Bromochloromethane	ND	4.6
75-27-4	Bromodichloromethane	ND	4.6
75-25-2	Bromoform	ND	4.6
74-83-9	Bromomethane	ND	9.2
78-93-3	2-Butanone (MEK)	ND	9.2
104-51-8	n-Butylbenzene	ND	4.6
135-98-8	sec-Butylbenzene	ND	4.6
98-06-6	tert-Butylbenzene	ND	4.6
75-15-0	Carbon disulfide	ND	4.6
56-23-5	Carbon tetrachloride	ND	4.6
108-90-7	Chlorobenzene	ND	4.6
75-00-3	Chloroethane	ND	9.2
67-66-3	Chloroform	ND	4.6
74-87-3	Chloromethane	ND	9.2
95-49-8	2-Chlorotoluene	ND	4.6
106-43-4	4-Chlorotoluene	ND	4.6
108-20-3	Di-isopropyl ether (DIPE)	ND	50
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	4.6
124-48-1	Dibromochloromethane	ND	4.6
106-93-4	1,2-Dibromoethane (EDB)	ND	2.8
74-95-3	Dibromomethane	ND	4.6
95-50-1	1,2-Dichlorobenzene	ND	4.6
541-73-1	1,3-Dichlorobenzene	ND	4.6
106-46-7	1,4-Dichlorobenzene	ND	4.6
75-71-8	Dichlorodifluoromethane	ND	9.2
75-34-3	1,1-Dichloroethane	ND	4.6
107-06-2	1,2-Dichloroethane	ND	4.6
75-35-4	1,1-Dichloroethene	ND	4.6
156-59-2	cis-1,2-Dichloroethene	ND	4.6
156-60-5	trans-1,2-Dichloroethene	ND	4.6
78-87-5	1,2-Dichloropropane	ND	4.6
142-28-9	1,3-Dichloropropane	ND	4.6
590-20-7	2,2-Dichloropropane	ND	4.6
563-58-6	1,1-Dichloropropene	ND	4.6
10061-01-5	cis-1,3-Dichloropropene	ND	4.6
10061-02-6	trans-1,3-Dichloropropene	ND	4.6
60-29-7	Diethyl ether	ND	9.2
123-91-1	1,4-Dioxane	ND	18

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 17 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-17

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 9.3

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 50999

Lab Data File: J28560.D;M32630.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	50
100-41-4	Ethylbenzene	ND	4.6
87-68-3	Hexachlorobutadiene	ND	4.6
591-78-6	2-Hexanone	ND	9.2
98-82-8	Isopropylbenzene	ND	4.6
99-87-6	4-Isopropyltoluene	ND	4.6
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	4.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	9.2
75-09-2	Methylene chloride	ND	4.6
91-20-3	Naphthalene	ND	4.6
103-65-1	n-Propylbenzene	ND	4.6
100-42-5	Styrene	ND	4.6
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	50
109-99-9	Tetrahydrofuran	ND	4.6
96-18-4	1,2,3-Trichloropropane	ND	4.6
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.6
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.6
127-18-4	Tetrachloroethene (PCE)	26	4.6
108-88-3	Toluene	ND	4.6
87-61-6	1,2,3-Trichlorobenzene	ND	4.6
120-82-1	1,2,4-Trichlorobenzene	ND	4.6
71-55-6	1,1,1-Trichloroethane	ND	4.6
79-00-5	1,1,2-Trichloroethane	ND	4.6
79-01-6	Trichloroethene (TCE)	24	4.6
75-69-4	Trichlorofluoromethane	ND	9.2
95-63-6	1,2,4-Trimethylbenzene	ND	4.6
108-67-8	1,3,5-Trimethylbenzene	ND	4.6
75-01-4	Vinyl chloride	ND	9.2
95-47-6	o-Xylene	ND	4.6
	m,p-Xylenes	ND	4.6

Surrogate	Recovery	Limits
Bromofluorobenzene	90%	78%-111%
1,2-Dichloroethane-d4	108%	91%-114%
Toluene-d8	90%	86%-115%

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 18

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-18

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 50

Method: 8260B

Soil Extract Volume:

QC Batch#: 51012

Lab Data File: M32508.D;M32617.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	250
71-43-2	Benzene	ND	50
108-86-1	Bromobenzene	ND	50
74-97-5	Bromochloromethane	ND	50
75-27-4	Bromodichloromethane	ND	50
75-25-2	Bromoform	ND	50
74-83-9	Bromomethane	ND	50
78-93-3	2-Butanone (MEK)	ND	250
104-51-8	n-Butylbenzene	ND	50
135-98-8	sec-Butylbenzene	ND	50
98-06-6	tert-Butylbenzene	ND	50
75-15-0	Carbon disulfide	ND	50
56-23-5	Carbon tetrachloride	ND	50
108-90-7	Chlorobenzene	ND	50
75-00-3	Chloroethane	ND	50
67-66-3	Chloroform	ND	50
74-87-3	Chloromethane	ND	50
95-49-8	2-Chlorotoluene	ND	50
106-43-4	4-Chlorotoluene	ND	50
108-20-3	Di-isopropyl ether (DIPE)	ND	50
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	50
124-48-1	Dibromochloromethane	ND	50
106-93-4	1,2-Dibromoethane (EDB)	ND	50
74-95-3	Dibromomethane	ND	50
95-50-1	1,2-Dichlorobenzene	ND	50
541-73-1	1,3-Dichlorobenzene	ND	50
106-46-7	1,4-Dichlorobenzene	ND	50
75-71-8	Dichlorodifluoromethane	ND	50
75-34-3	1,1-Dichloroethane	ND	50
107-06-2	1,2-Dichloroethane	ND	50
75-35-4	1,1-Dichloroethene	ND	50
156-59-2	cis-1,2-Dichloroethene	ND	50
156-60-5	trans-1,2-Dichloroethene	ND	50
78-87-5	1,2-Dichloropropane	ND	50
142-28-9	1,3-Dichloropropane	ND	50
590-20-7	2,2-Dichloropropane	ND	50
563-58-6	1,1-Dichloropropene	ND	50
10061-01-5	cis-1,3-Dichloropropene	ND	50
10061-02-6	trans-1,3-Dichloropropene	ND	50
60-29-7	Diethyl ether	ND	50
123-91-1	1,4-Dioxane	ND	1000

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 18 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-18

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 12/06/06 By: GP

Dilution Factor: 50

Method: 8260B

Soil Extract Volume:

QC Batch#: 51012

Lab Data File: M32508.D;M32617.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	50
100-41-4	Ethylbenzene	ND	50
87-68-3	Hexachlorobutadiene	ND	50
591-78-6	2-Hexanone	ND	250
98-82-8	Isopropylbenzene	ND	50
99-87-6	4-Isopropyltoluene	ND	50
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	50
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250
75-09-2	Methylene chloride	ND	50
91-20-3	Naphthalene	ND	50
103-65-1	n-Propylbenzene	ND	50
100-42-5	Styrene	ND	50
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	50
109-99-9	Tetrahydrofuran	ND	50
96-18-4	1,2,3-Trichloropropane	ND	50
630-20-6	1,1,1,2-Tetrachloroethane	ND	50
79-34-5	1,1,2,2-Tetrachloroethane	ND	50
127-18-4	Tetrachloroethene (PCE)	ND	50
108-88-3	Toluene	ND	50
87-61-6	1,2,3-Trichlorobenzene	ND	50
120-82-1	1,2,4-Trichlorobenzene	ND	50
71-55-6	1,1,1-Trichloroethane	ND	50
79-00-5	1,1,2-Trichloroethane	ND	50
79-01-6	Trichloroethene (TCE)	ND	50
75-69-4	Trichlorofluoromethane	ND	50
95-63-6	1,2,4-Trimethylbenzene	ND	50
108-67-8	1,3,5-Trimethylbenzene	ND	50
75-01-4	Vinyl chloride	ND	50
95-47-6	o-Xylene	ND	50
	m,p-Xylenes	ND	50

Surrogate	Recovery	Limits
Bromofluorobenzene	88%	87%-105%
1,2-Dichloroethane-d4	101%	91%-109%
Toluene-d8	105%	92%-105%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	1	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-01
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	5.8
Date Analyzed:	12/09/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	10000	ug/kg
C19-C36 Aliphatics	1	40000	10000	ug/kg
C11-C22 Aromatics*	1	100000	10000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	52	40%-140%
2-Bromonaphthalene	81	40%-140%
2-Fluorobiphenyl	84	40%-140%
o-Terphenyl	59	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	100	ug/kg
Acenaphthene	ND	100	ug/kg
Acenaphthylene	270	100	ug/kg
Anthracene	390	100	ug/kg
Benzo[a]anthracene	1200	100	ug/kg
Benzo[a]pyrene	1100	100	ug/kg
Benzo[b]fluoranthene	1700	100	ug/kg
Benzo[g,h,i]perylene	ND	100	ug/kg
Benzo[k]fluoranthene	600	100	ug/kg
Chrysene	1600	100	ug/kg
Dibenz[a,h]anthracene	ND	100	ug/kg
Fluoranthene	2200	100	ug/kg
Fluorene	ND	100	ug/kg
Indeno[1,2,3-cd]pyrene	ND	100	ug/kg
Naphthalene	ND	100	ug/kg
Phenanthrene	990	100	ug/kg
Pyrene	2200	100	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 1

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-01

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 5.8

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.19 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51132

Lab Data File: 4120827.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	14
11104-28-2	Aroclor 1221	ND	14
11141-16-5	Aroclor 1232	ND	14
53469-21-9	Aroclor 1242	ND	14
12672-29-6	Aroclor 1248	ND	14
11097-69-1	Aroclor 1254	ND	14
11096-82-5	Aroclor 1260	ND	14

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	54%	30%-150%
Decachlorobiphenyl	53%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	2	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-02
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	11.0
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	10000	ug/kg
C19-C36 Aliphatics	1	14000	10000	ug/kg
C11-C22 Aromatics*	1	16000	10000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	50	40%-140%
2-Bromonaphthalene	71	40%-140%
2-Fluorobiphenyl	75	40%-140%
o-Terphenyl	58	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	100	ug/kg
Acenaphthene	ND	100	ug/kg
Acenaphthylene	ND	100	ug/kg
Anthracene	ND	100	ug/kg
Benzo[a]anthracene	ND	100	ug/kg
Benzo[a]pyrene	ND	100	ug/kg
Benzo[b]fluoranthene	ND	100	ug/kg
Benzo[g,h,i]perylene	ND	100	ug/kg
Benzo[k]fluoranthene	ND	100	ug/kg
Chrysene	ND	100	ug/kg
Dibenz[a,h]anthracene	ND	100	ug/kg
Fluoranthene	ND	100	ug/kg
Fluorene	ND	100	ug/kg
Indeno[1,2,3-cd]pyrene	ND	100	ug/kg
Naphthalene	ND	100	ug/kg
Phenanthrene	ND	100	ug/kg
Pyrene	ND	100	ug/kg



# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 2

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-02

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 11.0

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.26 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51132

Lab Data File: 4120828.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	15
11104-28-2	Aroclor 1221	ND	15
11141-16-5	Aroclor 1232	ND	15
53469-21-9	Aroclor 1242	ND	15
12672-29-6	Aroclor 1248	ND	15
11097-69-1	Aroclor 1254	ND	15
11096-82-5	Aroclor 1260	ND	15

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	80%	30%-150%
Decachlorobiphenyl	70%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	3	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-03
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	10.7
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	17000	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	59	40%-140%
2-Bromonaphthalene	68	40%-140%
2-Fluorobiphenyl	72	40%-140%
o-Terphenyl	52	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	740	110	ug/kg
Acenaphthylene	240	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	ND	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	ND	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	490	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	350	110	ug/kg
Pyrene	ND	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 3

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-03

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 10.7

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51132

Lab Data File: 4120829.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	15
11104-28-2	Aroclor 1221	ND	15
11141-16-5	Aroclor 1232	ND	15
53469-21-9	Aroclor 1242	ND	15
12672-29-6	Aroclor 1248	ND	15
11097-69-1	Aroclor 1254	ND	15
11096-82-5	Aroclor 1260	ND	15

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	69%	30%-150%
Decachlorobiphenyl	91%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	4	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-04
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	15.8
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	32000	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	54	40%-140%
2-Bromonaphthalene	62	40%-140%
2-Fluorobiphenyl	66	40%-140%
o-Terphenyl	46	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	340	110	ug/kg
Anthracene	320	110	ug/kg
Benzo[a]anthracene	1000	110	ug/kg
Benzo[a]pyrene	1000	110	ug/kg
Benzo[b]fluoranthene	1400	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	540	110	ug/kg
Chrysene	1200	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	2100	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	1100	110	ug/kg
Pyrene	2000	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

Location: Franklin, MA

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-04

PL Report No: E612052

PL Sample No: 4

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 15.8

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.04 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51132

Lab Data File: 4120830.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	16
11104-28-2	Aroclor 1221	ND	16
11141-16-5	Aroclor 1232	ND	16
53469-21-9	Aroclor 1242	ND	16
12672-29-6	Aroclor 1248	ND	16
11097-69-1	Aroclor 1254	ND	16
11096-82-5	Aroclor 1260	ND	16

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	63%	30%-150%
Decachlorobiphenyl	68%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	5	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-05
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	14.7
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	110000	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	63	40%-140%
2-Bromonaphthalene	87	40%-140%
2-Fluorobiphenyl	74	40%-140%
o-Terphenyl	58	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	210	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	1300	110	ug/kg
Anthracene	2000	110	ug/kg
Benzo[a]anthracene	4400	110	ug/kg
Benzo[a]pyrene	3900	110	ug/kg
Benzo[b]fluoranthene	5600	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	1900	110	ug/kg
Chrysene	4500	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	8200	110	ug/kg
Fluorene	390	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	3500	110	ug/kg
Pyrene	6200	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 5

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-05

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 14.7

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.26 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#:

Lab Data File: 4120831.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	15
11104-28-2	Aroclor 1221	ND	15
11141-16-5	Aroclor 1232	ND	15
53469-21-9	Aroclor 1242	ND	15
12672-29-6	Aroclor 1248	ND	15
11097-69-1	Aroclor 1254	ND	15
11096-82-5	Aroclor 1260	ND	15

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	69%	30%-150%
Decachlorobiphenyl	74%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	6	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-06
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	12.3
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	20000	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	69	40%-140%
2-Bromonaphthalene	79	40%-140%
2-Fluorobiphenyl	81	40%-140%
o-Terphenyl	64	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	350	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	200	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	280	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	320	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	200	110	ug/kg
Pyrene	310	110	ug/kg



# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 6

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-06

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 12.3

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.29 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51132

Lab Data File: 4120834.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	15
11104-28-2	Aroclor 1221	ND	15
11141-16-5	Aroclor 1232	ND	15
53469-21-9	Aroclor 1242	ND	15
12672-29-6	Aroclor 1248	ND	15
11097-69-1	Aroclor 1254	ND	15
11096-82-5	Aroclor 1260	ND	15

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	75%	30%-150%
Decachlorobiphenyl	76%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	7	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-07
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	12.3
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	40000	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	57	40%-140%
2-Bromonaphthalene	73	40%-140%
2-Fluorobiphenyl	75	40%-140%
o-Terphenyl	48	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	230	110	ug/kg
Anthracene	200	110	ug/kg
Benzo[a]anthracene	330	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	560	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	170	110	ug/kg
Chrysene	640	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	380	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	150	110	ug/kg
Pyrene	470	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 7

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-07

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 12.3

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.39 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51132

Lab Data File: 4120835.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	15
11104-28-2	Aroclor 1221	ND	15
11141-16-5	Aroclor 1232	ND	15
53469-21-9	Aroclor 1242	ND	15
12672-29-6	Aroclor 1248	ND	15
11097-69-1	Aroclor 1254	ND	15
11096-82-5	Aroclor 1260	ND	15

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	78%	30%-150%
Decachlorobiphenyl	77%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	8	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-08
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	11.7
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	61000	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	55	40%-140%
2-Bromonaphthalene	77	40%-140%
2-Fluorobiphenyl	79	40%-140%
o-Terphenyl	51	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	250	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	310	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	590	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	410	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	190	110	ug/kg
Pyrene	410	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 8

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-08

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 11.7

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.19 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51179

Lab Data File: 4121122.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	15
11104-28-2	Aroclor 1221	ND	15
11141-16-5	Aroclor 1232	ND	15
53469-21-9	Aroclor 1242	ND	15
12672-29-6	Aroclor 1248	ND	15
11097-69-1	Aroclor 1254	ND	15
11096-82-5	Aroclor 1260	ND	15

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	58%	30%-150%
Decachlorobiphenyl	105%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	9	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-09
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	5.6
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	10000	ug/kg
C19-C36 Aliphatics	1	ND	10000	ug/kg
C11-C22 Aromatics*	1	33000	10000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	62	40%-140%
2-Bromonaphthalene	68	40%-140%
2-Fluorobiphenyl	73	40%-140%
o-Terphenyl	53	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	100	ug/kg
Acenaphthene	220	100	ug/kg
Acenaphthylene	ND	100	ug/kg
Anthracene	970	100	ug/kg
Benzo[a]anthracene	1100	100	ug/kg
Benzo[a]pyrene	ND	100	ug/kg
Benzo[b]fluoranthene	ND	100	ug/kg
Benzo[g,h,i]perylene	ND	100	ug/kg
Benzo[k]fluoranthene	ND	100	ug/kg
Chrysene	1200	100	ug/kg
Dibenz[a,h]anthracene	ND	100	ug/kg
Fluoranthene	2300	100	ug/kg
Fluorene	230	100	ug/kg
Indeno[1,2,3-cd]pyrene	ND	100	ug/kg
Naphthalene	ND	100	ug/kg
Phenanthrene	2300	100	ug/kg
Pyrene	2000	100	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 9

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-09

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 5.6

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.25 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51179

Lab Data File: 4121123.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	14
11104-28-2	Aroclor 1221	ND	14
11141-16-5	Aroclor 1232	ND	14
53469-21-9	Aroclor 1242	ND	14
12672-29-6	Aroclor 1248	ND	14
11097-69-1	Aroclor 1254	ND	14
11096-82-5	Aroclor 1260	ND	14

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	79%	30%-150%
Decachlorobiphenyl	93%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	10	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-10
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	8.1
Date Analyzed:	12/11/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	ND	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	40	40%-140%
2-Bromonaphthalene	90	40%-140%
2-Fluorobiphenyl	88	40%-140%
o-Terphenyl	41	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	ND	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	ND	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	ND	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	ND	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	ND	110	ug/kg
Pyrene	ND	110	ug/kg



# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 10

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-10

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.1

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.62 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51179

Lab Data File: 4121124.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	14
11104-28-2	Aroclor 1221	ND	14
11141-16-5	Aroclor 1232	ND	14
53469-21-9	Aroclor 1242	ND	14
12672-29-6	Aroclor 1248	ND	14
11097-69-1	Aroclor 1254	ND	14
11096-82-5	Aroclor 1260	ND	14

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	71%	30%-150%
Decachlorobiphenyl	78%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	11	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-11
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	6.6
Date Analyzed:	12/09/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	24000	11000	ug/kg
C11-C22 Aromatics*	1	92000	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	61	40%-140%
2-Bromonaphthalene	67	40%-140%
2-Fluorobiphenyl	76	40%-140%
o-Terphenyl	46	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	260	110	ug/kg
Anthracene	340	110	ug/kg
Benzo[a]anthracene	560	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	810	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	940	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	470	110	ug/kg
Pyrene	990	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

Location: Franklin, MA

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-11

PL Report No: E612052

PL Sample No: 11

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 6.6

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.84 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51179

Lab Data File: 4121125.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	14
11104-28-2	Aroclor 1221	ND	14
11141-16-5	Aroclor 1232	ND	14
53469-21-9	Aroclor 1242	ND	14
12672-29-6	Aroclor 1248	ND	14
11097-69-1	Aroclor 1254	ND	14
11096-82-5	Aroclor 1260	ND	14

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	64%	30%-150%
Decachlorobiphenyl	87%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	12	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-12
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	14.7
Date Analyzed:	12/11/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	12000	ug/kg
C19-C36 Aliphatics	1	ND	12000	ug/kg
C11-C22 Aromatics*	1	ND	12000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	59	40%-140%
2-Bromonaphthalene	53	40%-140%
2-Fluorobiphenyl	55	40%-140%
o-Terphenyl	40	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	120	ug/kg
Acenaphthene	ND	120	ug/kg
Acenaphthylene	ND	120	ug/kg
Anthracene	ND	120	ug/kg
Benzo[a]anthracene	ND	120	ug/kg
Benzo[a]pyrene	ND	120	ug/kg
Benzo[b]fluoranthene	ND	120	ug/kg
Benzo[g,h,i]perylene	ND	120	ug/kg
Benzo[k]fluoranthene	ND	120	ug/kg
Chrysene	ND	120	ug/kg
Dibenz[a,h]anthracene	ND	120	ug/kg
Fluoranthene	ND	120	ug/kg
Fluorene	ND	120	ug/kg
Indeno[1,2,3-cd]pyrene	ND	120	ug/kg
Naphthalene	ND	120	ug/kg
Phenanthrene	ND	120	ug/kg
Pyrene	ND	120	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 12

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-12

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 14.7

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.38 g

Date Analyzed: 12/11/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51179

Lab Data File: 4121126.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	15
11104-28-2	Aroclor 1221	ND	15
11141-16-5	Aroclor 1232	ND	15
53469-21-9	Aroclor 1242	ND	15
12672-29-6	Aroclor 1248	ND	15
11097-69-1	Aroclor 1254	ND	15
11096-82-5	Aroclor 1260	ND	15

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	65%	30%-150%
Decachlorobiphenyl	69%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	13	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-13
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	8.6
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	10000	ug/kg
C19-C36 Aliphatics	1	ND	10000	ug/kg
C11-C22 Aromatics*	1	52000	10000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	54	40%-140%
2-Bromonaphthalene	76	40%-140%
2-Fluorobiphenyl	71	40%-140%
o-Terphenyl	54	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	200	100	ug/kg
Acenaphthene	560	100	ug/kg
Acenaphthylene	150	100	ug/kg
Anthracene	1800	100	ug/kg
Benzo[a]anthracene	2800	100	ug/kg
Benzo[a]pyrene	2200	100	ug/kg
Benzo[b]fluoranthene	2600	100	ug/kg
Benzo[g,h,i]perylene	ND	100	ug/kg
Benzo[k]fluoranthene	1100	100	ug/kg
Chrysene	2800	100	ug/kg
Dibenz[a,h]anthracene	ND	100	ug/kg
Fluoranthene	6700	100	ug/kg
Fluorene	630	100	ug/kg
Indeno[1,2,3-cd]pyrene	ND	100	ug/kg
Naphthalene	260	100	ug/kg
Phenanthrene	7600	100	ug/kg
Pyrene	6000	100	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 13

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-13

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.6

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.33 g

Date Analyzed: 12/12/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51179

Lab Data File: 4121129.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	14
11104-28-2	Aroclor 1221	ND	14
11141-16-5	Aroclor 1232	ND	14
53469-21-9	Aroclor 1242	ND	14
12672-29-6	Aroclor 1248	ND	14
11097-69-1	Aroclor 1254	ND	14
11096-82-5	Aroclor 1260	ND	14

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	81%	30%-150%
Decachlorobiphenyl	85%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	14	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-14
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	8.9
Date Analyzed:	12/09/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	10000	ug/kg
C19-C36 Aliphatics	1	38000	10000	ug/kg
C11-C22 Aromatics*	1	81000	10000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	57	40%-140%
2-Bromonaphthalene	74	40%-140%
2-Fluorobiphenyl	73	40%-140%
o-Terphenyl	54	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	100	ug/kg
Acenaphthene	ND	100	ug/kg
Acenaphthylene	120	100	ug/kg
Anthracene	ND	100	ug/kg
Benzo[a]anthracene	ND	100	ug/kg
Benzo[a]pyrene	ND	100	ug/kg
Benzo[b]fluoranthene	230	100	ug/kg
Benzo[g,h,i]perylene	ND	100	ug/kg
Benzo[k]fluoranthene	ND	100	ug/kg
Chrysene	440	100	ug/kg
Dibenz[a,h]anthracene	ND	100	ug/kg
Fluoranthene	ND	100	ug/kg
Fluorene	ND	100	ug/kg
Indeno[1,2,3-cd]pyrene	ND	100	ug/kg
Naphthalene	ND	100	ug/kg
Phenanthrene	ND	100	ug/kg
Pyrene	ND	100	ug/kg



# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

Location: Franklin, MA

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-14

PL Report No: E612052

PL Sample No: 14

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 8.9

Date Extracted: 12/08/06 By: AKB

Sample Weight/Volume: 30.22 g

Date Analyzed: 12/12/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51179

Lab Data File: 4121130.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	14
11104-28-2	Aroclor 1221	ND	14
11141-16-5	Aroclor 1232	ND	14
53469-21-9	Aroclor 1242	ND	14
12672-29-6	Aroclor 1248	ND	14
11097-69-1	Aroclor 1254	ND	14
11096-82-5	Aroclor 1260	ND	14

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	66%	30%-150%
Decachlorobiphenyl	87%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	15	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-15
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	11.6
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	ND	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	68	40%-140%
2-Bromonaphthalene	74	40%-140%
2-Fluorobiphenyl	80	40%-140%
o-Terphenyl	59	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	ND	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	ND	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	ND	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	ND	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	ND	110	ug/kg
Pyrene	ND	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 15

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-15

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 11.6

Date Extracted: 12/11/06 By: MM

Sample Weight/Volume: 9.93 g

Date Analyzed: 12/12/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51179

Lab Data File: 4121131.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	46
11104-28-2	Aroclor 1221	ND	46
11141-16-5	Aroclor 1232	ND	46
53469-21-9	Aroclor 1242	ND	46
12672-29-6	Aroclor 1248	ND	46
11097-69-1	Aroclor 1254	ND	46
11096-82-5	Aroclor 1260	ND	46

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	71%	30%-150%
Decachlorobiphenyl	76%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	16	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-16
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	6.2
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	11000	ug/kg
C19-C36 Aliphatics	1	ND	11000	ug/kg
C11-C22 Aromatics*	1	ND	11000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	64	40%-140%
2-Bromonaphthalene	75	40%-140%
2-Fluorobiphenyl	77	40%-140%
o-Terphenyl	55	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	110	ug/kg
Acenaphthene	ND	110	ug/kg
Acenaphthylene	ND	110	ug/kg
Anthracene	ND	110	ug/kg
Benzo[a]anthracene	ND	110	ug/kg
Benzo[a]pyrene	ND	110	ug/kg
Benzo[b]fluoranthene	ND	110	ug/kg
Benzo[g,h,i]perylene	ND	110	ug/kg
Benzo[k]fluoranthene	ND	110	ug/kg
Chrysene	ND	110	ug/kg
Dibenz[a,h]anthracene	ND	110	ug/kg
Fluoranthene	ND	110	ug/kg
Fluorene	ND	110	ug/kg
Indeno[1,2,3-cd]pyrene	ND	110	ug/kg
Naphthalene	ND	110	ug/kg
Phenanthrene	ND	110	ug/kg
Pyrene	ND	110	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 16

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-16

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 6.2

Date Extracted: 12/11/06 By: MM

Sample Weight/Volume: 9.88 g

Date Analyzed: 12/12/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51179

Lab Data File: 4121132.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	43
11104-28-2	Aroclor 1221	ND	43
11141-16-5	Aroclor 1232	ND	43
53469-21-9	Aroclor 1242	ND	43
12672-29-6	Aroclor 1248	ND	43
11097-69-1	Aroclor 1254	ND	43
11096-82-5	Aroclor 1260	ND	43

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	73%	30%-150%
Decachlorobiphenyl	80%	30%-150%

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E612052	Location:	Franklin, MA
PL Sample No:	17	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841061130-17
		Dilution (Target):	1
Date Collected:	11/30/2006		
Date Received:	12/1/2006	Matrix:	Solid
Date Extracted:	12/04/06	Percent Moisture:	9.3
Date Analyzed:	12/08/06	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	10000	ug/kg
C19-C36 Aliphatics	1	ND	10000	ug/kg
C11-C22 Aromatics*	1	ND	10000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	56	40%-140%
2-Bromonaphthalene	81	40%-140%
2-Fluorobiphenyl	77	40%-140%
o-Terphenyl	49	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	100	ug/kg
Acenaphthene	ND	100	ug/kg
Acenaphthylene	ND	100	ug/kg
Anthracene	ND	100	ug/kg
Benzo[a]anthracene	ND	100	ug/kg
Benzo[a]pyrene	ND	100	ug/kg
Benzo[b]fluoranthene	ND	100	ug/kg
Benzo[g,h,i]perylene	ND	100	ug/kg
Benzo[k]fluoranthene	ND	100	ug/kg
Chrysene	ND	100	ug/kg
Dibenz[a,h]anthracene	ND	100	ug/kg
Fluoranthene	ND	100	ug/kg
Fluorene	ND	100	ug/kg
Indeno[1,2,3-cd]pyrene	ND	100	ug/kg
Naphthalene	ND	100	ug/kg
Phenanthrene	ND	100	ug/kg
Pyrene	ND	100	ug/kg

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E612052

Location: Franklin, MA

PL Sample No: 17

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841061130-17

Date Collected: 11/30/2006

Matrix: Solid

Date Received: 12/1/2006

Percent Moisture: 9.3

Date Extracted: 12/11/06 By: MM

Sample Weight/Volume: 9.85 g

Date Analyzed: 12/12/06 By: LM

Dilution Factor: 1

Method: 8082

Extract Volume: 2

QC Batch#: 51179

Lab Data File: 4121133.D

Units: ug/kg

CAS No.	Parameter	Result	DL
12674-11-2	Aroclor 1016	ND	45
11104-28-2	Aroclor 1221	ND	45
11141-16-5	Aroclor 1232	ND	45
53469-21-9	Aroclor 1242	ND	45
12672-29-6	Aroclor 1248	ND	45
11097-69-1	Aroclor 1254	ND	45
11096-82-5	Aroclor 1260	ND	45

Surrogate	Recovery	Limits
Tetrachloro-m-xylene	56%	30%-150%
Decachlorobiphenyl	60%	30%-150%



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- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other \_\_\_\_\_

E612 052 AK

## CHAIN-OF-CUSTODY RECORD

10633

Turnaround

- ☐ 1 Day\*
- ☐ 2 Days\*
- ☐ 3 Days\*
- ☒ Standard (\_\_\_\_ days)
- ☐ Other \_\_\_\_\_ (days)
- \*Surcharge Applies

PROJECT NAME

*Nu-Style Phase II*

PROJECT LOCATION

*Franklin, MA*

PROJECT NUMBER

*20050458-B10*

LABORATORY

*Premier*

REPORT TO: *David Foss*

INVOICE TO: *David Foss*

P.O. No.: *84120050458-B10*

Sampler's Signature: *[Signature]*

Date: *11/30/06*

Source Codes:

MW=Monitoring Well  
SW=Surface Water

PW=Potable Water  
T=Treatment Facility

S=Soil  
B=Bottom Sediment

W=Waste  
A=Air

X=Other \_\_\_\_\_

Analysis Request

Containers

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request										Comments
	1	2	3	4															
1	✓				841061130-01	S	11/30/06	0900	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2					-02			0910											
3					-03			1010											
4					-04			1015											
5					-05			1055											
6					-06			1105											
7					-07			1220											
8					-08			1230											
9					-09			1255											
10					-10			1300											

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<i>[Signature]</i>	<i>F30 office</i>	11/30/06	1715	MCP Data Enhancement project, MADEP S-1 Standard
2	<i>F30 office</i>	<i>[Signature]</i>	12/1/06	0940	Additional Comments: - see QA/QC checklist attached
3	<i>[Signature]</i>	<i>[Signature]</i>	12/1/06	0940	
4	<i>[Signature]</i>	<i>[Signature]</i>	12/1/06	1130	

30





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- ☐ 78 Interstate Drive, West Springfield, MA 01089  
☐ 610 Lyndale Court, Suite E, Greenville, NC 27858  
☐ 24 Madison Avenue Extension, Albany, NY 12203

- ☒ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601  
☐ Other \_\_\_\_\_

E612052

# CHAIN-OF-CUSTODY RECORD

10634

## Turnaround

- ☐ 1 Day\*    ☐ 3 Days\*    ☐ Other \_\_\_\_\_ (days)  
☐ 2 Days\*    ☒ Standard (\_\_\_\_ days)    \*Surcharge Applies

PROJECT NAME

*Nu-Style Phase II*

PROJECT LOCATION

*Franklin, MA*

PROJECT NUMBER

*20050458.B10*

LABORATORY

*Premier*

REPORT TO: *David Foss*

INVOICE TO: *David Foss*

P.O. No.: *84100050458.B10*

Sampler's Signature: *[Signature]*

Date: *11/30/06*

Source Codes:

MW=Monitoring Well

PW=Potable Water

S=Soil

W=Waste

SW=Surface Water

T=Treatment Facility

B=Bottom Sediment

A=Air

X=Other *MEDIA only (Trip Blank)*

Analysis Request

Containers

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled	VOCs										Other										Comments
	1	2	3	4					VOCs	PP-1F	Bacteria	Total	PCBs	VPH	EPA	Soil VOA Vial	Glass Soil Cont	Glass Soil Cont	Other	Other	Water VOA Vial	Glass Amber Vial	Plastic - As is	Plastic - H2SO4	Plastic - HNO3	Plastic - NaOH	Bacteria Bottle		
11	✓				841061130-11	S	11/30/06	1340	✓	✓	✓	✓	✓	✓	✓	✓	1	2											
12	✓				-12			1350	✓	✓	✓	✓	✓	✓	✓	✓													
13	✓				-13			1420	✓	✓	✓	✓	✓	✓	✓	✓													
14	✓				-14			1435	✓	✓	✓	✓	✓	✓	✓	✓													
15	✓				-15			1505	✓	✓	✓	✓	✓	✓	✓	✓													
16	✓				-16			1515	✓	✓	✓	✓	✓	✓	✓	✓													
17	✓				-17	✓		1525	✓	✓	✓	✓	✓	✓	✓	✓													
18	✓				-18	X	✓	1600	✓								✓												Trip Blank

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<i>[Signature]</i>	<i>F30 Office</i>	11/30/06	1215	MCP Data Embourment Project, MADEP S-1 Standard
2	<i>F30 Office</i>	<i>[Signature]</i>	12/1/06	0940	Additional Comments: <i>- see attached checklist</i>
3	<i>[Signature]</i>	<i>[Signature]</i>	12/1/06	0940	
4	<i>[Signature]</i>	<i>[Signature]</i>	12-1-06	1850	

*50C*



Quality Assurance Project Plan  
Phase II Site Assessment  
Former Nu-Style Company, Inc. Facility, Franklin, Massachusetts

RFA #07011  
October 2006  
Revision 1.0

## APPENDIX B

### DATA VALIDATION COMPLETENESS CHECKLIST

PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
MODIFIED TIER I COMPLETENESS CHECKLIST

	<u>YES</u>	<u>NO</u>
<b>1. SAMPLING AND FIELD MEASUREMENTS:</b>		
Field measurement calibration records	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>
Soil sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>
Sediment sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>
Surface water sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>
Low-flow sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>
Documentation of field activities	<input type="checkbox"/>	<input type="checkbox"/>
Sample numbering and labeling	<input type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input type="checkbox"/>	<input type="checkbox"/>
Trip blanks	<input type="checkbox"/>	<input type="checkbox"/>
Duplicate samples	<input type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/>
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. LABORATORY MEASUREMENTS:</b>		
Trip blanks	<input type="checkbox"/>	<input type="checkbox"/>
Instrument blanks	<input type="checkbox"/>	<input type="checkbox"/>
Laboratory control samples	<input type="checkbox"/>	<input type="checkbox"/>
Duplicates samples	<input type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/>
Matrix spike/matrix spike duplicates	<input type="checkbox"/>	<input type="checkbox"/>
Analysis type	<input type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input type="checkbox"/>	<input type="checkbox"/>
Surrogate recoveries	<input type="checkbox"/>	<input type="checkbox"/>
Sample Project Narratives	<input type="checkbox"/>	<input type="checkbox"/>
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/>

TOTAL: \_\_\_\_\_

PERCENT COMPLETE: \_\_\_\_\_ %



**PHASE II SITE ASSESSMENT  
 FORMER NU-STYLE COMPANY, INC. FACILITY  
 FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST**

**PERFORMED AND, WHERE  
 APPLICABLE,  
 WITHIN ACCEPTABLE LIMITS?**

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
<b>1. SAMPLING AND FIELD MEASUREMENTS:</b>			
Field measurement calibration records			
pH - $\pm 0.3$ pH units	<input type="checkbox"/>	<input type="checkbox"/>	_____
S.C. - $\pm 5\%$ of calibration solution, within?			
calibration range	<input type="checkbox"/>	<input type="checkbox"/>	_____
Temperature - $\pm 0.5$ °C	<input type="checkbox"/>	<input type="checkbox"/>	_____
D.O. - $\pm 5\%$ of calibration solution	<input type="checkbox"/>	<input type="checkbox"/>	_____
Groundwater field measurements (if applicable)			
Water depth measured to within 0.01 ft.?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Soil sampling field measurements (if applicable)			
OVM - $\pm 2$ ppm	<input type="checkbox"/>	<input type="checkbox"/>	_____
OVA - $\pm 2$ ppm	<input type="checkbox"/>	<input type="checkbox"/>	_____
Sediment sampling field measurements (if applicable)			
Descriptive information recorded?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Surface water sampling field measurements (if applicable)			
Water depth measured to within 0.01 ft.?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Low-flow sampling field measurements (if applicable)			
S.C. - $\pm 10\%$	<input type="checkbox"/>	<input type="checkbox"/>	_____
pH - $\pm 0.2$ pH units	<input type="checkbox"/>	<input type="checkbox"/>	_____
Temperature - $\pm 10\%$	<input type="checkbox"/>	<input type="checkbox"/>	_____
Turbidity - $\pm 5$ NTU	<input type="checkbox"/>	<input type="checkbox"/>	_____
Documentation of field activities			
Site-specific information documented in field notebook?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Field data sheets completed?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Sample numbering and labeling			
Sample numbering conforms to sample I.D. system			
identified in QAPP?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Chain-of-Custody records			
Chain-of-Custody forms completed?	<input type="checkbox"/>	<input type="checkbox"/>	_____



**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
FUSS & O'NEILL MODIFIED TIER II DATA VALIDATION CHECKLIST  
(Continued)**

**PERFORMED AND, WHERE  
APPLICABLE, WITHIN ACCEPTABLE  
LIMITS?**

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
Trip blanks			
Trip blanks submitted, one per day?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Any compounds detected in trip blanks?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Duplicate samples			
Field duplicates performed, 1/20 samples?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Is percent difference within 30% for all field parameters?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Equipment blanks			
Equipment blanks submitted, one per sampling day?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Any compounds detected in equipment blank?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Split samples (if any)			
Split samples collected?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Is percent difference within 30% for split samples?	<input type="checkbox"/>	<input type="checkbox"/>	_____
 <b>2. LABORATORY MEASUREMENTS:</b>			
Trip blanks			
Trip blanks submitted, one per day?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Any compounds detected in trip blanks?	<input type="checkbox"/>	<input type="checkbox"/>	_____
Instrument blanks**	<input type="checkbox"/>	<input type="checkbox"/>	_____
Laboratory control samples**	<input type="checkbox"/>	<input type="checkbox"/>	_____
Duplicates samples**	<input type="checkbox"/>	<input type="checkbox"/>	_____
Equipment blanks**	<input type="checkbox"/>	<input type="checkbox"/>	_____
Matrix spike/matrix spike duplicates**	<input type="checkbox"/>	<input type="checkbox"/>	_____
Analysis type	<input type="checkbox"/>	<input type="checkbox"/>	_____
Chain-of-Custody records	<input type="checkbox"/>	<input type="checkbox"/>	_____
Surrogate recoveries**	<input type="checkbox"/>	<input type="checkbox"/>	_____
Sample Project Narratives	<input type="checkbox"/>	<input type="checkbox"/>	_____
Split samples (if any)**	<input type="checkbox"/>	<input type="checkbox"/>	_____
Most recent EPA WP-PE sample results**	<input type="checkbox"/>	<input type="checkbox"/>	_____



**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS**

**PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\***

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
1. SDG Project Narratives	<input type="checkbox"/>	<input type="checkbox"/>	_____
2. Traffic Report	<input type="checkbox"/>	<input type="checkbox"/>	_____
3. Volatiles Data			
a. Sample Data			
Target Compound List (TCL) Results	<input type="checkbox"/>	<input type="checkbox"/>	_____
Reconstructed total ion chromatograms (RIC) for each Sample	<input type="checkbox"/>	<input type="checkbox"/>	_____
For each sample:			
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	_____
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	_____
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	_____
b. Standards Data (all instruments)			
Initial Calibration Data	<input type="checkbox"/>	<input type="checkbox"/>	_____
RICs and Quan Reports for all Standards	<input type="checkbox"/>	<input type="checkbox"/>	_____
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	_____
RICs and Quan Reports for all Standards	<input type="checkbox"/>	<input type="checkbox"/>	_____
Internal Standard Area Summary	<input type="checkbox"/>	<input type="checkbox"/>	_____
c. Raw QC Data			
Blank Data	<input type="checkbox"/>	<input type="checkbox"/>	_____
Matrix Spike Data	<input type="checkbox"/>	<input type="checkbox"/>	_____
Matrix Spike Duplicate Data	<input type="checkbox"/>	<input type="checkbox"/>	_____
4. Semivolatiles Data			
a. QC Summary			
Surrogate Percent Recovery Summary	<input type="checkbox"/>	<input type="checkbox"/>	_____
MS/MSD Summary	<input type="checkbox"/>	<input type="checkbox"/>	_____
Method Blank Summary	<input type="checkbox"/>	<input type="checkbox"/>	_____
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	_____



PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS  
(Continued)

PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\*

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
b. Sample Data			
TCL Results	<input type="checkbox"/>	<input type="checkbox"/>	_____
Tentatively Identified Compounds	<input type="checkbox"/>	<input type="checkbox"/>	_____
Reconstructed total ion chromatograms (RIC) for each Sample	<input type="checkbox"/>	<input type="checkbox"/>	_____
For each sample:			
Raw spectra and background-subtracted mass spectra of TCL compounds	<input type="checkbox"/>	<input type="checkbox"/>	_____
Mass spectra of TICs with 3 best library matches	<input type="checkbox"/>	<input type="checkbox"/>	_____
GPC chromatograms (if GPC performed)	<input type="checkbox"/>	<input type="checkbox"/>	_____
c. Standards Data (all instruments)			
Initial Calibration Data	<input type="checkbox"/>	<input type="checkbox"/>	_____
RICs and Quan Reports for all Standards	<input type="checkbox"/>	<input type="checkbox"/>	_____
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	_____
RICs and Quan Reports for all Standards	<input type="checkbox"/>	<input type="checkbox"/>	_____
Internal Standard Areas Summary	<input type="checkbox"/>	<input type="checkbox"/>	_____
Internal Standard Areas Summary	<input type="checkbox"/>	<input type="checkbox"/>	_____
d. Raw QC Data			
Decafluorotriphenylphosphine (DFTPP)	<input type="checkbox"/>	<input type="checkbox"/>	_____
Blank Data	<input type="checkbox"/>	<input type="checkbox"/>	_____
Matrix Spike Data	<input type="checkbox"/>	<input type="checkbox"/>	_____
Matrix Spike Duplicate Data	<input type="checkbox"/>	<input type="checkbox"/>	_____
5. Miscellaneous Data			
Original preparation and analysis forms or copies of preparation and analysis log book pages	<input type="checkbox"/>	<input type="checkbox"/>	_____
Internal sample & sample extract transfer chain-of custody records	<input type="checkbox"/>	<input type="checkbox"/>	_____
Screening Records	<input type="checkbox"/>	<input type="checkbox"/>	_____
All instrument output, including strip charts from screening activities (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____			_____
_____			_____



PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS  
(Continued)

PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\*

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
6. Chain-of-Custody Records	<input type="checkbox"/>	<input type="checkbox"/>	_____
Sample Log-in Sheet (Lab & DC1)	<input type="checkbox"/>	<input type="checkbox"/>	_____
Miscellaneous Shipping/Receiving Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____			_____
_____			_____
7. Internal Lab Sample Transfer Records and Tracking			
Sheets (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____			_____
_____			_____
8. Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____			_____
_____			_____
9. Comments:			
_____			_____
_____			_____
_____			_____

\*\* See laboratory Quality Assurance Plan for limits.

Completed by: \_\_\_\_\_  
(Lab)                      (Signature)                      (Printed Name/Title)                      Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: \_\_\_\_\_  
(Lab)                      (Signature)                      (Printed Name/Title)                      Date





**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
INORGANIC COMPOUNDS**

**PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\***

		<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
1.	SDG Project Narratives	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Inorganic Analysis Data Sheet	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Initial and Continuing Calibration Verification	<input type="checkbox"/>	<input type="checkbox"/>	
4.	CRDL Standard for AA and ICP	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Blanks	<input type="checkbox"/>	<input type="checkbox"/>	
6.	ICP Interference Check Sample	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Spike Sample Recovery	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Post Digest Spike Sample Recovery	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Duplicates	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Laboratory Control Sample	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Standard Addition Results	<input type="checkbox"/>	<input type="checkbox"/>	
12.	ICP Serial Dilutions	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Instrument Detection Limits, Quarterly	<input type="checkbox"/>	<input type="checkbox"/>	
14.	ICP Interelement Correction Factors, Annually	<input type="checkbox"/>	<input type="checkbox"/>	
15.	ICP Linear Ranges Quarterly	<input type="checkbox"/>	<input type="checkbox"/>	
16.	Preparation Log	<input type="checkbox"/>	<input type="checkbox"/>	
17.	Analysis Run Log	<input type="checkbox"/>	<input type="checkbox"/>	
18.	ICP Raw Data	<input type="checkbox"/>	<input type="checkbox"/>	
19.	Furnace AA Raw Data	<input type="checkbox"/>	<input type="checkbox"/>	
20.	Mercury Raw Data	<input type="checkbox"/>	<input type="checkbox"/>	
21.	Percent Solids Calculations	<input type="checkbox"/>	<input type="checkbox"/>	
22.	Digestion Logs	<input type="checkbox"/>	<input type="checkbox"/>	
23.	EPA Shipping/Receiving Records			
	(List all individual records)	<input type="checkbox"/>	<input type="checkbox"/>	
	Chain-of Custody Records	<input type="checkbox"/>	<input type="checkbox"/>	
	Sample Log-In sheet	<input type="checkbox"/>	<input type="checkbox"/>	
24.	Miscellaneous Shipping/Receiving Records	<input type="checkbox"/>	<input type="checkbox"/>	
	(List all individual records)			



PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
INORGANIC COMPOUNDS  
(Continued)

PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS\*\*

		<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
25.	Internal Lab Sample Transfer Records and Tracking Sheets (Describe or List) _____			
26.	Internal Original Sample Preparation and analysis Records (Describe or List Preparation Records Analysis Records Description Other Records (Describe or List)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____ _____ _____ _____ _____
27.	Other Records (Describe or List) _____ _____			
28.	Comments: _____ _____			

\*\* See laboratory Quality Assurance Plan for limits.

Completed by: \_\_\_\_\_  
(Lab) (Signature) (Printed Name/Title) Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: \_\_\_\_\_  
(Lab) (Signature) (Printed Name/Title) Date



## APPENDIX D

Phase II ESA Addendum, Former Nu-Style Property  
Prepared by Fuss & O'Neill  
February 2008

# Phase II Environmental Site Assessment Addendum

Former Nu-Style Property  
RTN 2-0016694  
87 Grove Street (Lots 22 & 27)  
Franklin, MA

February 2008



317 Iron Horse Way  
Suite 204  
Providence, RI 02908

PHASE II ENVIRONMENTAL SITE ASSESSMENT ADDENDUM  
FORMER NU-STYLE PROPERTY  
87 GROVE STREET, FRANKLIN, MA

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FORMER NU-STYLE PROPERTY  
87 GROVE STREET, FRANKLIN, MA

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## 1.0 INTRODUCTION

### 1.1 Project Overview and Objectives

The County of Norfolk, Massachusetts (Norfolk County) retained Fuss & O'Neill, Inc. (Fuss & O'Neill) to conduct additional Phase II Environmental Site Assessment activities (Phase II Addendum) at the former Nu-Style Company, Inc. property (the site) located at 87 Grove Street in the Town of Franklin, Massachusetts (the Town). This Phase II Addendum was conducted as part of the County Hazardous Materials and Petroleum Brownfield Assessment Programs, funded under two brownfield assessment grants from the United States Environmental Protection Agency (USEPA).

The Phase II Addendum presents the findings of the investigations performed, the conclusions drawn based on those findings, and recommendations with respect to further evaluations or other response actions that may be conducted at the site.

Previous Phase II activities conducted by Fuss & O'Neill at the site are documented in Phase II reports dated January 2007 and September 2007. Results of these investigations are also discussed herein.

The objective of the Phase II Addendum documented herein was to evaluate the nature and extent of contaminants in deep groundwater from fractured bedrock at the site and to further evaluate previously identified areas of environmental concern at the site. The Phase II Addendum scope of work was developed to determine, to the extent possible with the available resources, the absence or presence and, where applicable, the nature and extent of contaminants in environmental media, to facilitate redevelopment planning at the site, and ultimately to return the property to productive use. The Phase II Addendum was conducted in accordance with the Quality Assurance Project Plan (QAPP) Addendum Revision 3.0 dated September 2007.

### 1.2 Assessment Planning and Approvals

Prior to the commencement of initial Phase II field activities at the site, Fuss & O'Neill prepared a QAPP for review and approval by USEPA. The QAPP (Revision 0.0) was submitted to USEPA in September 2006. In October 2006, Fuss & O'Neill submitted responses to USEPA comments and questions regarding the QAPP in the form of a document titled QAPP Revision 1.0. The QAPP (Revision 1.0) was formally approved by USEPA on November 6, 2006.

QAPP Addendum (Revision 2.0) was submitted on March 14, 2007 and was formally approved by USEPA on March 20 and 23, 2007. QAPP Addendum (Revision 2.0) detailed the field and analytical scope for the collection of surface water and sediment samples as well as the closure assessment of an underground storage tank (UST).

QAPP Addendum (Revision 3.0) was submitted on September 7, 2007 and was formally approved by USEPA on October 9, 2007. QAPP Addendum (Revision 3.0) detailed the field and analytical scope for additional sediment, soil, and groundwater sampling at the site, as summarized herein.



The QAPPs, developed in accordance with the USEPA Brownfields Quality Assurance Project Plan Guidance Document, detailed the field and analytical scope and quality control procedures to be implemented during the Phase II activities. The above-referenced QAPPs are hereafter referred to collectively as the "approved QAPPs."

## 2.0 BACKGROUND

### 2.1 Site Description

The site was located at 87 Grove Street in Franklin, Massachusetts (UTM NAD83 meters: Northing 4,662,290 Easting 299,210; Lat/Long: 42° 5' 13.154" N 71° 25' 39.790" W). The site was identified as the Town of Franklin Tax Assessor's Map 276, Lot 22 and Lot 27. Lot 22 covered an area of approximately 9,929 square feet. Lot 27 adjoined Lot 22 to the east and was approximately 42,359 square feet in size. The site was acquired via tax title by the Town of Franklin as a result of foreclosure. Details of the site history are presented in the QAPP (Revision 1.0) and Phase I ESA, prepared by Fuss & O'Neill in 2006.

A vacant, partially dilapidated two-story building with a footprint of approximately 11,800 square feet was situated on Lot 27, and a vacant one and one-half-story building with a footprint of approximately 4,000 square feet was located on Lot 22. Mine Brook flowed westward along the southern side of the Lot 27 building and turned northward to form the western boundary of Lot 22. Mine Brook flowed generally northward to the Charles River. Unrestricted access to the subject property was provided via Grove Street and Old Grove Street.

Utilities located on the subject property include a water line located along the right-of-way known as Old Grove Street, and stormwater drainage lines located throughout the property.

No endangered species habitat, areas of critical environmental concern (ACEC) or certified vernal pools were located within 500 feet of the subject site, as depicted on the Massachusetts Department of Environmental Protection (MADEP) Bureau of Waste Site Cleanup Site Scoring Map attached as Appendix A.

A portion of a United States Geological Survey (USGS) topographic map depicting the location of the site is provided as Figure 1. A site plan, depicting the boundary of the disposal site, is provided as Figure 2.

### 2.2 Groundwater Classification

According to the Massachusetts Contingency Plan (MCP) (310 CMR 40.0932), groundwater at the subject site is classified as GW-2/GW-3. All groundwater in the Commonwealth of Massachusetts is considered a potential source of discharge to surface water and, therefore, is categorized, at a minimum, as class GW-3.

GW-2 also applies to the site because groundwater at the site is typically present at depths of less than 15 feet below grade and, at the northern portion of the site, is within 30 feet of a potentially occupied building. In addition, it is likely that regularly occupied structures will





be present at the site subsequent to redevelopment. Category GW-2 groundwater is considered a potential source of vapors of oil and/or hazardous material (OHM) to indoor air.

The site is not located within a MADEP Zone II (aquifer protection area), potentially productive aquifer, or other GW-1 inclusionary criteria (MassGIS, 2007); therefore, a classification of GW-1 does not apply to the property. The MADEP Bureau of Waste Site Cleanup Site Scoring Map is attached as [Appendix A](#).

### 2.3 Location of Public Water Sources

No public water supply wells or systems are located within a one-half-mile radius of the subject site; however, a public water supply system associated with Franklin Water Department Well #2 is located just over one-half-mile to the southeast of the subject site, at Beaver Pond (Fuss & O'Neill, 2007a). This area is classified as Zone II (aquifer protection area). Based on the inferred groundwater flow direction, it is unlikely that releases that may have occurred at the subject site would have an adverse impact on groundwater quality within the aquifer protection area.

Several United States Geological Survey (USGS) wells were also located near Beaver Pond as well as within a one-half-mile radius of the subject site. USGS wells within a one-half-mile radius of the subject site are listed in [Table 1](#) below.

Table 1  
Summary of USGS Wells

Well	Distance/Direction from Subject Site
USGS 3319020	~ 0.1 mile/East
USGS 3319051	~ 0.15 mile/North
USGS 3319013	~ 0.15 mile/East-southeast
USGS 3319068	~ 0.45 mile/Northwest
USGS 3319084	~ 0.5 mile/North-northwest

### 2.4 Topography and Geology

The topography of the site was generally flat, except at the banks of Mine Brook, where the topography dropped steeply to the river bed (USGS, 1987). The regional topography was hilly and generally drained to Mine Brook.

Surficial material at the site was mapped as loamy udorthents, which generally consist of moderately coarse-grained, deep and moderately deep, fairly well-drained soils (USDA, 2006). Fill described as sand, gravel, silt, and, in some cases, wood and brick was observed to depths of up to 14 feet below grade during drilling conducted on the site as part of the Phase II documented herein.



Bedrock beneath the site was mapped as grayish-pink to greenish-gray, equigranular to slightly porphyritic, Dedham Granite (Zen, 1983). Bedrock was encountered at the site during drilling at depths of between four and 12.5 feet below grade.

## 2.5 Previous Environmental Investigations

The following reports document the results of environmental investigations conducted at the subject site thus far:

- IES, Inc., 1990. Chapter 21-E Site Evaluation, 87 Grove Street, Franklin, MA. January 17, 1990.
- IES, Inc., 1991. Test Borings and Analysis, 87 Grove Street, Franklin, MA. July 24, 1991.
- Fuss & O'Neill, 2006. Phase I Environmental Site Assessment, Former Nu-Style Company, Inc. Facility, 87 Grove Street (Lots 22 & 27), Franklin, Massachusetts, May 2006.
- Fuss & O'Neill, 2007. Phase II Environmental Site Assessment, Former Nu-Style Company, Inc. Facility, 87 Grove Street (Lots 22 & 27), Franklin, Massachusetts, January 2007.
- Fuss & O'Neill, 2007. Phase I Environmental Site Assessment, Former Nu-Style Company, Inc. Facility, 87 Grove Street (Lots 22 & 27), Franklin, Massachusetts, February 2007.
- Fuss & O'Neill, 2007. UST Closure Assessment Report, Former Nu-Style Company, Inc., Franklin, Massachusetts, July 2007.
- Fuss & O'Neill, 2007. Phase II Environmental Site Assessment, Former Nu-Style Company, Inc. Facility, 87 Grove Street (Lots 22 & 27), Franklin, Massachusetts, September 2007.

### 2.5.1 IES, Inc. Site Investigation Reports

Portions of two reports prepared by IES, Inc. (IES) summarizing environmental investigations previously conducted on the subject property and on the parcel adjacent to the south were reviewed. The results of the investigations documented in these reports are discussed below.

#### January 1990

In January 1990, IES completed a report of a Chapter 21E Site Evaluation of 87 Grove Street for Home National Bank of Milford, Massachusetts. Portions of the report were available for review at the Franklin Health Department.



The IES investigation included the drilling of soil borings and the collection and analyses of soil and groundwater samples on the subject property and on the parcel adjacent to the south of Lot 27 (Lot 26). Note that the map and parcel numbers have changed since the IES investigation, as summarized in the table below.

Table 2  
Parcel Number Changes

Previous		Current		Comments
Map	Lot	Map	Lot	
72	5	276	22	Site
72	6	276	27	Site
72	7	276	26	Adjacent south

IES collected soil and/or groundwater samples from five borings (B-1 through B-5) drilled on the three parcels. A figure provided by IES depicted the approximate boring locations; however because the figure was schematic and was not to scale, the precise boring locations could not be determined.

Two of the borings (B-1 and B-2) were drilled adjacent to underground storage tanks (USTs) located on Lot 26. Borings B-3 and B-5 were situated on the north side of the Lot 27 building, and boring B-4 was advanced in the exterior "barrel area" north of the Lot 22 garage. Field screening indicated the presence of trace concentrations of volatile organic compounds (VOCs) in the soil at borings B-4 and B-5; therefore, soil from the two borings from a depth of approximately five feet below grade was composited into one sample, which was analyzed for VOCs. No VOCs were detected at levels above the laboratory reporting limit. Groundwater was not encountered at these two boring locations.

Groundwater samples collected from borings B-1 and B-2 were analyzed for VOCs and were also not detected at concentrations above the laboratory reporting limit. No information regarding sample analysis for soil or groundwater collected from boring B-3 was reported; therefore, we infer that no samples were analyzed because field screening did not indicate the presence of VOCs.

IES concluded that no releases of hazardous materials or petroleum products had occurred at the subject property; however, it is Fuss & O'Neill's opinion that the IES investigation was not adequate to definitively rule out releases on the subject property.

#### July 1991

In July 1991, IES collected soil samples from four additional borings (B-1A through B-4A) to assess whether releases associated with USTs had occurred. As with the 1990 investigation, only portions of the July 1991 report were available for review at the Franklin Health Department. A copy of the report was also available at the Franklin Fire Department, but copies could not be made. A figure depicting the boring locations was not included with the report.

Soil encountered at the site generally consisted of fill containing loam, sand, gravel, and, in some cases, brick and cinders. Fill materials were observed to depths of up to 8.5 feet



below grade (fbg). Deeper soil consisted of very dense, fine-grained sand, silt, and gravel. Groundwater was encountered at depths of approximately 8.5 to 9 fbg. Monitoring wells were installed within the borings to allow for the collection of groundwater samples.

IES identified releases of chlorinated solvents to soil and groundwater at boring location B-4A, which was advanced downgradient of USTs at the site and north of Mine Brook. Based on the apparent vertical distribution of VOCs in soil, IES inferred that the presence of VOCs was the result of a surface release.

## 2.5.2 Phase I ESA Report, May 2006

A Phase I ESA, prepared by Fuss & O'Neill in May 2006, identified the following recognized environmental conditions (RECs) at the site:

- The site had a long history (at least 90 years) of manufacturing, including textiles and jewelry. Materials used and stored at the site associated with jewelry manufacturing included cyanides, metals, chlorinated solvents, and petroleum products. Additional substances associated with textile manufacturing were also likely used. Files indicated that numerous drums of hazardous waste and petroleum products were located outside of the site buildings.
- At least one UST was present on the western side of the Lot 27 building. In addition, a heating oil tank reportedly existed in an underground bunker on the same side of the building.
- A small tunnel containing slow-flowing water was present beneath the Lot 22 building. A review of mapping on file at the Town Building Department suggested that the tunnel runs, or ran in the past, from Mine Brook and beneath the Lot 27 building to the Lot 22 building. There is the potential that the tunnel was used by the former woolen mill for direct waste disposal to Mine Brook prior to the realignment of the brook in the 1960s.
- Releases of chlorinated solvents to soil and groundwater were identified on Lot 26, which abutted the site to the south. Due to the proximity of this property to the site, there is the potential for releases that occurred on this property to adversely affect groundwater quality at the site. Note that this property was owned and occupied by the same entities that owned and operated the facilities at the site; therefore, there is the potential that similar releases have occurred at the site.
- The southern portion of the site contained a pond that was filled circa 1960. The fill appeared to have been placed by a municipality. The nature and origin of the fill were not known.



### 2.5.3 Phase I ESA Report, January 2007

A Phase I ESA report was prepared by Fuss & O'Neill in accordance with ASTM E1527-05 dated January 2007. The January Phase I ESA report identified the same RECs that were noted in May 2006, summarized above.

### 2.5.4 UST Closure Assessment Report, July 2007

Fuss & O'Neill conducted oversight of the removal of a 5,000-gallon #2 heating oil UST at the site on May 1 and 2, 2007, in accordance with QAPP Addendum (Revision 2.0). Closure activities were completed by TMC Services, Inc. (TMC) of Bellingham, Massachusetts.

Following tank removal, Fuss & O'Neill collected six confirmation soil samples from the limits of the excavation. The six confirmation soil samples were submitted to a fixed-base laboratory for analysis of the Priority Pollutant 13 metals (PP13 metals), VOCs, and petroleum hydrocarbons. In accordance with 310 CMR 40.0361, the reportable concentrations in soil category 1 (RCS-1) reporting category and the MCP Method 1 Standard Application for S-1, S-2, and S-3 for GW-1, GW-2, and GW-3 areas were applied to the confirmatory soil samples obtained on the subject site. Laboratory analytical results of soil samples collected from the limits of the tank grave did not document the presence compounds at levels in excess of the applicable criteria.

### 2.5.5 Phase II ESA, November 2006 through May 2007

Fuss & O'Neill conducted Phase II ESA field activities at the site during November and December 2006, and again in April and May 2007. Field activities included soil, sediment, and groundwater sampling throughout the site to characterize soil and groundwater associated with the environmental concerns identified in the Phase I ESA conducted by Fuss & O'Neill in May 2006. The results of the Phase II field investigations were documented in the Phase II ESA reports prepared by Fuss & O'Neill in January and September 2007, and are summarized below:

#### Soil

A comparison of the soil analytical results to the RCS-1 standards indicated that pursuant to the MCP (310 CMR 40.0361), a reportable condition existed with regard to soil at the subject site.

Laboratory analytical results of soil samples collected from soil borings advanced on-site documented the presence of the following target analytes at concentrations in excess of one or more criteria:

- Metals: beryllium, lead and nickel
- VOCs: Tetrachloroethylene (PCE) and trichloroethylene (TCE)
- Polynuclear Aromatic Hydrocarbons (PAHs): benzo(a)pyrene and fluorene

#### Sediment

A comparison of the sediment analytical results to the MADEP Revised Sediment Screening Values, which incorporated the Threshold Effects Concentrations (TECs), and the RCS-1 reporting category, indicated that acenaphthylene, anthracene, fluoranthene, phenanthrene,



and pyrene were detected at concentrations in excess of the sediment screening values. Samples did not exceed the RCS-1 criteria.

#### Groundwater

A comparison of the analytical results in shallow overburden groundwater samples to the reportable concentrations in groundwater category 2 (RCGW-2) indicated that pursuant to the MCP, 310 CMR 40.0362, a reportable condition existed with regard to groundwater at the subject site.

Laboratory analytical results of groundwater samples collected from on-site monitoring wells documented the presence of the following target analytes in shallow overburden groundwater at concentrations in excess of one or more criteria:

- Metals: lead
- VOCs: PCE and TCE

#### Surface Water

A comparison of the surface water analytical results to the MCP Method 1 Groundwater Standard Application for GW-3 areas and the USEPA Chronic Criteria Continuous Concentrations indicated that no samples contained concentrations of analytes that exceeded the reference criteria.

Based on the initial Phase II ESA results, a release notification form was submitted to the MADEP on May 10, 2007. MADEP assigned release tracking number (RTN) 2-0016694 to the site.

### 3.0 PHASE II ADDENDUM ACTIVITIES

Based on the results of previous Phase II activities, a Phase II Addendum scope of work was developed to assess the nature and extent of contaminants in deep groundwater from fractured bedrock at the site, and to further evaluate previously identified areas of environmental concern at the site. The Phase II Addendum scope of work for soil, groundwater, and sediment sampling was implemented in accordance with the approved QAPPs.

#### 3.1 Field Investigation Activities

##### 3.1.1 Sediment Sampling

In accordance with the approved QAPPs, a sediment sampling program was implemented for the site on October 25, 2007. Sediment samples were collected from three locations, designated as SD-5 through SD-7, from the banks of Mine Brook. The purpose for the sediment sampling was to delineate the extent of sediment containing PAHs in the vicinity of sediment sample SD-01. Refer to [Figure 2](#) for a map of sediment sample locations.

Four sediment samples, including one field duplicate collected from location SD-5, were submitted to Premier Laboratory, LLC (Premier) of Dayville, Connecticut for analysis of semi-volatile organic compounds (SVOCs) (EPA Method 8270C). An aqueous trip blank



was not submitted for analysis because VOCs were not an established compound of concern. Dedicated sampling materials were utilized to collect the sediment samples. Therefore, an equipment blank was not collected for laboratory analysis.

### 3.1.2 Soil Sampling

In accordance with the approved QAPPs, a soil sampling program was conducted at the site on October 31 and November 1, 2007. Five soil borings were advanced at the site. Three shallow borings, designated B-15, MW-16, and MW-17, were advanced utilizing a hollow-stem auger (HSA) drill rig to a depth of up to 14 fbg. Two deep borings, designated MW-13 and MW-14, were advanced utilizing HSA (overburden) and air-rotary (bedrock) drilling methods. The purpose for the soil boring and soil sampling program was to further delineate the extent of soil containing VOCs and metals as well as to facilitate the installation of additional monitoring wells at the site. Refer to [Figure 2](#) for a map of soil boring locations.

One soil sample was collected from boring MW-13 from vadose zone soil directly above the water table, and one shallow soil sample was collected from boring B-15. Three soil samples were collected from boring MW-17; one shallow soil sample and two soil samples, including one field duplicate, from vadose zone soil directly above the water table.

Five soil samples were submitted to Premier for analysis. Soil samples collected from borings MW-13 and B-15, located north of Mine Brook, were analyzed for VOCs by USEPA Method 8260B. Soil samples collected from boring MW-17, located south of Mine Brook, were analyzed for VOCs by USEPA Method 8260B, PP13 metals plus barium by USEPA Methods 6010B and 7471, and petroleum hydrocarbons by MADEP EPH and VPH methods.

Soil boring logs, depicting sample recovery amounts, material descriptions, graphic logs, soil codes, and photoionization detector (PID) field screening results are attached in [Appendix B](#).

### 3.1.3 Monitoring Well Installation and Development

In accordance with the approved QAPPs, groundwater monitoring wells were installed in four of the soil borings advanced at the site. Wells were installed into and screened in bedrock at borings MW-13 and MW-14, and installed and screened into overburden at borings MW-16 and MW-17. The locations of the monitoring wells are depicted on [Figure 2](#). Detailed monitoring well completion reports are included in [Appendix B](#).

In accordance with the approved QAPPs, Fuss & O'Neill surveyed the relative elevations of the newly installed monitoring wells at the site on November 7, 2007. The survey was conducted relative to an assumed arbitrary vertical datum to evaluate the relative elevation and hydraulic gradient of shallow groundwater beneath the site.

In accordance with the approved QAPPs, Fuss & O'Neill developed the newly installed monitoring wells at the site on November 5, 2007. Development procedures included the repeated purging and surging of groundwater in the wells to remove fine particles and to



improve hydraulic communication between the sand filter pack and surrounding soil formation.

### 3.1.4 Low Flow Groundwater Sampling

On November 6 and November 7, 2007, Fuss & O'Neill collected ten groundwater samples, including two duplicate samples, from monitoring wells at the site. Groundwater samples were collected from monitoring wells MW-1, MW-13, MW-14, MW-16 and MW-17 utilizing low-flow sampling techniques, in accordance with the approved QAPPs.

Low water volume and slow recharge at wells MW-2, MW-3 and MW-5 prevented the utilization of low-flow field parameter monitoring techniques. Instead, groundwater samples were collected at low flow rates following limited purging. Due to the relatively high turbidity observed in purge water from these wells, collected groundwater samples were field filtered through a dedicated 0.45 micron cartridge filter, in accordance with Fuss & O'Neill's SOPs.

Previously installed monitoring well MW-4 could not be located visually or by metal detector during the groundwater sampling event, and may have been damaged following the previous groundwater sampling event.

Groundwater samples were submitted to Premier for analysis. The following table summarizes the analyses performed:

Table 3  
Summary of Groundwater Analytical Methods

Sample ID	Well ID	Analytical Methods
06-01; 06-02*	MW-17	VOCs (USEPA Method 8260B), Total RCRA 8 Metals (USEPA Methods 6010B/7471), MADEP VPH/EPH
06-03	MW-1	
06-04	MW-14	VOCs (USEPA Method 8260B), Total RCRA 8 Metals (USEPA Methods 6010B/7471)
06-05; 06-06*	MW-13	
07-08	MW-16	
07-09	MW-5	VOCs (USEPA Method 8260B, Dissolved RCRA 8 Metals (USEPA Method 6010B/7471)
07-10	MW-2	
07-11	MW-3	

NOTES: Only the last four digits of the sample number are shown.  
\* indicates duplicate sample

Two groundwater samples collected during this assessment were duplicate samples submitted to the laboratory for quality control purposes. Duplicates were collected from the overburden aquifer (MW-17) and bedrock aquifer (MW-13). One trip blank per day of sampling was also collected and submitted to Premier for analysis of VOCs.





## 4.0 INVESTIGATION RESULTS

### 4.1 Sediment Laboratory Analytical Results

A summary of sediment analytical data is included in [Table 4](#). The complete Premier analytical data packages and associated data verification narratives and certifications for each laboratory report are attached in [Appendix C](#).

Laboratory analytical results of sediment samples collected from Mine Brook as part of this Phase II Addendum documented the presence of the following analytes in sediment at concentrations above laboratory reporting limits:

Table 5  
Summary of Detected Compounds in Sediment Samples  
Collected As Part of Phase II Addendum

SVOCs (USEPA Method 8270)
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Chrysene
Dibenzo(a,h)anthracene
Fluoranthene
Fluorene
Indeno(1,2,3-cd)pyrene
Phenanthrene
Pyrene

### 4.2 Surficial and Subsurface Soil Characterization

In general, the soil within soil borings advanced at the site was observed to consist of mainly fine to medium sand, with varying proportions of gravel and silt. Apparent fill material containing metal slag and coal and/or coal ash was observed in soil borings advanced north of Mine Brook, and was concentrated in the upper two feet of soil. Soil boring MW-17 ended in a soil horizon consisting predominately of silt and clay from 12 to 14 feet below grade. The silt and clay horizon may represent the sediment/water interface of the former pond that existed at this location prior to the historical application of fill material.

Bedrock encountered at the site was described as granite.

### 4.3 Soil PID Field Screening Results

During soil boring advancement, soil samples were collected throughout the soil column at each boring location for field screening for the presence of total VOCs with a PID. Field screening results indicated that total VOCs were detected in soil samples at concentrations up to 9.5 parts per million (ppm). Field screening results are included in soil boring logs attached as [Appendix B](#).

#### 4.4 Soil Laboratory Analytical Results

A summary of soil analytical data is included in [Table 6](#). The complete Premier analytical data packages and associated data verification narratives and certifications for each laboratory report are attached in [Appendix C](#).

Laboratory analytical results of soil samples collected from on-site soil borings documented the presence of the following analytes in soil at concentrations above laboratory reporting limits:

Table 7  
Summary of Detected Compounds in Soil Samples  
Collected As Part of Phase II Addendum

Metals (Method 6010)	VOCs (Method 8260)	PAHs (MADEP EPH Method)
Antimony	Acetone	Acenaphthene
Arsenic	Methyl Ethyl Ketone	Acenaphthylene
Barium	Naphthalene	Anthracene
Beryllium	Tetrachloroethene (PCE)	Benzo(a)anthracene
Cadmium	Trichloroethene (TCE)	Benzo(a)pyrene
Chromium		Benzo(b)fluoranthene
Copper		Benzo(k)fluoranthene
Lead		Chrysene
Mercury (Method 7471)		Fluoranthene
Nickel		Fluorene
Zinc		Indeno(1,2,3-cd)pyrene
		Phenanthrene
		Pyrene

#### 4.5 Groundwater Laboratory Analytical Results

A summary of groundwater analytical data is included in [Table 8](#). The complete Premier analytical data packages and associated data verification narratives and certifications for each laboratory report are attached in [Appendix C](#).

Laboratory analytical results of groundwater samples collected from on-site monitoring wells documented the presence of the following analytes in groundwater at concentrations above laboratory reporting limits:

Table 9  
Summary of Detected Compounds in Groundwater Samples  
Collected As Part of Phase II Addendum

Metals (Method 6010)	VOCs (Method 8260)
Barium	cis-1,2-Dichloroethene
Chromium	Methyl tert butyl ether (MTBE)
Lead	PCE
	TCE



## 5.0 EVALUATION OF ANALYTICAL RESULTS

### 5.1 Data Verification

Procedures and methodologies for the collection and analyses of soil and groundwater samples were performed consistent with the approved QAPPs and the MCP (310 CMR 40.0017). Analytical data were developed and reviewed in accordance with MADEP's *Compendium of Quality Assurance and Quality Control Requirements and Performance Standards for Selected Analytical Methods* (the CAM).

Fuss & O'Neill conducted modified Tier II data verification of the field and analytical data resulting from the assessment documented herein. Modified Tier II verification narratives and certifications, signed by the Fuss & O'Neill Quality Assurance/Quality Control Officer, as well as modified Tier II completeness and verification checklists are attached to each Premier report in Appendix C.

Presumptive Certainty was obtained for each data set collected as part of the Phase II Addendum investigation. Documentation was provided by Premier along with narrative summaries (Appendix C).

In general, reporting limits were low enough to allow for direct comparison to the applicable criteria. Due to matrix interferences, the reporting limit for dibenzo(a,h)anthracene in sediment sample SD-06 was unable to meet the applicable criteria. The lowest achievable reporting limit for hexachlorobutadiene in soil and groundwater samples did not meet applicable standards.

The relative percent differences calculated for the primary and duplicate sediment for several compounds in the sediment samples, several metals in the soil samples, and lead in the groundwater samples were greater than the limits established in the approved QAPPs. These differences are attributed to sample heterogeneities.

The usability of the data is not anticipated to be affected by these issues.

### 5.2 Regulatory Criteria

Analytical results were compared to the following regulatory criteria:

- Sediment —The MCP has not established regulatory criteria for sediment. However, the following reference criteria were utilized as screening values.
  - Massachusetts Revised Sediment Screening Values, which incorporated the TECs.
  - MCP Method 1 S-1, S-2, and S-3 Standard Application for GW-2 and GW-3 areas.
- Soil
  - MCP Method 1 S-1, S-2, and S-3 Standard Application for GW-2 and GW-3 areas.



- Groundwater
  - MCP Method 1 Groundwater Standard Application for GW-2 and GW-3 areas (GW-2 and GW-3).
- Surface Water —although additional surface water samples were not collected as part of this Phase II Addendum, the results of previous surface water samples were tabulated herein and included as Table 10. Further discussion of surface water data is included in Section 6.0.
  - MCP Method 1 Groundwater Standard Application for GW-3 areas.
  - USEPA Chronic Criteria Continuous Concentrations

Applicable soil and sediment criteria, as discussed above were tabulated for detected compounds in soil and sediment samples collected from the site. These standards are summarized in Table 11.

### 5.3 Sediment

Sediment analytical results were compared to the sediment screening values and applicable soil criteria. A summary of sediment analytical results for all samples collected by Fuss & O'Neill is included as Table 4.

Laboratory analytical results of sediment samples collected from Mine Brook documented the presence of several EPH or SVOC compounds in samples SD-01, SD-05, SD-06, and SD-07 at levels in excess of the sediment screening values. The detected compounds are collectively identified as PAHs. These sediment samples were collected in close proximity to each other and were collected from the western portion of the site in the vicinity of sediment sample SD-01.

### 5.4 Soil

In accordance with 310 CMR 40.0361, the MCP Method 1 S-1, S-2, and S-3 Standard Application for GW-2 and GW-3 areas were applied to soil samples obtained on the subject site. A summary of soil analytical results for all samples collected by Fuss & O'Neill is included as Table 6.

Concentrations of metals, EPH, and VPH compounds in the soil samples collected from soil borings advanced as part of the Phase II Addendum did not exceed the applicable criteria. The concentration of PCE in the soil sample collected from boring B-15 at two to four fbg exceeded the S-1/GW-2, S-1/GW-3, S-2/GW-2, and S-3/GW-2 standards, and the concentration of TCE in the sample exceeded the S-1/GW-2, S-2/GW-2, and S-3/GW-2 standards.

Overall, the concentration of PCE and TCE exceeded the applicable standards in soil samples collected from borings B-04, B-06, and B-15. Additionally, the concentration of TCE in the soil sample collected from boring B-10 exceeded applicable standards. These soil samples were collected from the vadose zone to as deep as six fbg. These results suggest that these compounds were introduced to the subsurface via surficial releases.



The concentration of lead in soil samples collected from boring MW-05 up to seven fbg exceeded the applicable criteria. The concentration of beryllium in the soil sample collected from boring B-10 exceeded the S-2/GW-2 and S-2/GW-3 standards.

## 5.5 Groundwater

In accordance with 310 CMR 40.0362, the MCP Method 1 Groundwater Standard Application for GW-2 and GW-3 areas reporting categories were applied to all groundwater samples obtained on the subject site. A summary of groundwater analytical results for all samples collected by Fuss & O'Neill is included as Table 8.

Laboratory analytical results of groundwater samples collected from on-site monitoring wells documented the presence of lead at levels in excess of the GW-3 criteria in samples collected from monitoring wells MW-1, MW-3, and MW-5. The VOC compounds PCE and TCE were reported at levels in excess of the GW-2 criteria in samples collected from monitoring wells MW-3, MW-4, and MW-13. Additionally, the concentration of TCE in the sample collected from monitoring well MW-16 exceeded the GW-2 standard.

## 6.0 CONCEPTUAL SITE MODEL

A conceptual site model (CSM) has been developed for the site based on the nature and source of the release, geologic and hydrogeologic conditions, historical site uses, current uses and foreseeable site uses. Available site data, including data presented herein and generated in previous investigations by Fuss & O'Neill, was evaluated in developing the CSM. The CSM was used to develop conclusions regarding the extent of contamination, media affected by the releases, and sufficiency of investigations. A discussion of the source, site hydrogeology, migration pathways, and the nature and extent of contamination follows.

### 6.1 Disposal Site Hydrogeology

The disposal site was underlain by fine to medium sand, with varying proportions of gravel and silt. Apparent fill material containing metal slag and coal and/or coal ash was observed in soil borings advanced north of Mine Brook, and was concentrated in the upper two feet of soil. The soil deposits extended to at least 14 fbg based on the deepest soil boring (MW-17). No wide-ranging impermeable confining layer was identified in the available soil data at the site. Bedrock composed of granite was encountered as shallow as four fbg at soil boring B-15.

Two groundwater sampling events have been conducted at the disposal site and provide data related to seasonal groundwater occurrence and flow. A summary of groundwater elevation data for monitoring events conducted during November 2007 is presented in Table 12. The depth to groundwater ranged from approximately 4.5 fbg to approximately 10.5 fbg across the site. Shallow groundwater flow direction was generally to the south-southwest toward Mine Brook. An equipotential contour map of shallow groundwater is presented as Figure 3.



Two monitoring wells, designated MW-13, and MW-14, were advanced and screened in bedrock at the first water-bearing fracture encountered during drilling. Based on the groundwater elevations in these wells, groundwater flow direction in the bedrock aquifer was generally to the southward in the direction of Mine Brook. Groundwater elevations at these bedrock wells compared to the elevation of shallow groundwater in overburden monitoring wells indicated an upward vertical hydraulic gradient from the bedrock aquifer to the overburden aquifer. However, the hydraulic connection of the bedrock and overburden aquifers was not established during this investigation.

Based on a review of MCP GW-1 inclusionary criteria and the Site Scoring Map, attached as Appendix A, groundwater at the site and the surrounding area was not used for drinking water and was not considered a potential drinking water source.

## 6.2 Contaminant Sources

Based on the investigations and reports summarized herein, the following releases were identified:

- Sediment: PAHs
  - PAHs in sediment were identified in the vicinity of sediment samples SD-01, SD-05, SD-06, and SD-07 at the western portion of the site and at downstream locations of Mine Brook.
  - The source of PAHs in sediment was attributed to historic urban filling practices at the site in which Mine Brook was channelized and former surface waters at the site were filled in; or to historic discharges from the former manufacturing facility.
- Soil: chlorinated VOCs (PCE and TCE), beryllium, and lead
  - The highest concentrations of VOCs were identified in soil samples collected proximal to the western and northern edges of the building at two general locations:
    - § In shallow soil in the vicinity of B-06, B-10, and B-15. The source of VOCs in this area may be attributed to historic surficial spills that migrated to the subsurface.
    - § In shallow soil and soil at the approximate depth of the water table at soil boring B-04. The source of VOCs in this area may be attributed to both historic surficial spills as well as a potential additional source of VOCs in groundwater at depth.
  - The source of beryllium in the soil sample collected from boring B-10 and lead in the soil sample collected from boring MW-05 is likely attributed to natural sources and/or historic urban filling practices at the site.
- Shallow Overburden Groundwater: chlorinated VOCs (PCE and TCE) and lead



- VOCs in shallow groundwater were identified in samples collected from monitoring wells MW-03, MW-04, and MW-16. These wells were located in the vicinity of soil containing VOCs, likely as a result of surficial spills that migrated to groundwater. The dissolved-phase VOCs in these areas indicated that VOCs migrated to groundwater as a result of the historic spills.
  - Lead in shallow groundwater was identified in samples collected from monitoring wells MW-01, MW-03, and MW-05. The source of lead in shallow groundwater was attributed to leaching of lead to groundwater from urban fill material deposited at the site.
- Bedrock Groundwater: chlorinated VOCs (PCE and TCE)
  - VOCs in bedrock groundwater were identified in the sample collected from monitoring well MW-13. The source of VOCs in this monitoring well may be attributed to a combination of both surficial releases of VOCs to the subsurface as well as a potential additional source from within the on-site building. The additional source has not been confirmed, and additional investigation may be warranted following the demolition of the building.
- Surface Water: No releases to surface water were identified, as indicated on Table 10.

The use and storage of chlorinated solvents at the site was discontinued when the site was vacated in 1989, thus eliminating the principal surface source of VOC contamination to site soil and groundwater.

### 6.3 Nature and Extent of Contamination

Based on the results of soil and groundwater monitoring conducted at the site, the lateral extent of the disposal site has been delineated and is shown on Figure 2. The nature and extent of contamination at the disposal site, based on the results of all Phase II site investigation activities conducted at the disposal site by Fuss & O'Neill, is detailed in Section 5.0 and Section 6.0. The source of VOCs in bedrock groundwater was not completely identified, and additional investigation beneath the on-site building may be warranted.

### 6.4 Migration Pathways

A summary of the migration pathways associated with each of the types of environmental media affected by the releases at the site; sediment, soil, and groundwater, includes the following. These potential pathways are the primary methods for migration of site-related contaminants of concern (COC).

Migration and mobilization of COC in shallow soil may occur via infiltration of stormwater through vadose zone soils containing COC, and via migration of shallow groundwater through saturated soil containing COC. VOC in shallow soil can also volatilize and migrate into building structures located above soil containing VOC.



Migration of COC in shallow overburden groundwater may occur via horizontal migration through saturated overburden toward Mine Brook. Although the data presented in Section 6.1, indicates that the vertical gradient in the central portion of the site is generally upward, the increasing concentration of dissolved VOC in with depth indicates a migration of dissolved phase chlorinated VOC downward from shallow overburden groundwater to the deeper bedrock aquifer. The relative concentrations of COC in shallow and deep groundwater are indicative of a potential unidentified source within or beneath the abandoned building. Migration of COC in the deeper bedrock aquifer is considered to be via fracture flow, and may not be well defined by the equipotential contours representing shallow groundwater gradients. VOC in shallow groundwater can also volatilize and migrate into building structures located above the dissolved phase plume of VOC.

Migration of metals and PAH compounds through site soil and sediment and into on-site buildings is not expected due to the generally low mobility of metals and PAH compounds in soil and sediment.

## 7.0 RECOMMENDATIONS

Based upon the results of this assessment, the following response actions are recommended:

- On May 10, 2007 a release notification form was received by the MADEP in response to the initial Phase II ESA results. MADEP assigned RTN 2-16694 to the site. Based on MCP timelines, either a Tier Classification or Response Action Outcome will be required to be submitted to MADEP by May 10, 2008.

Based on the evaluation of site data relative to MCP risk-based standards, it is not feasible to conclude that a condition of "no significant risk" currently exists at the site, and therefore a permanent solution has not yet been achieved.

- The extent of the compounds of concern in environmental media at the site has been further evaluated. However, further assessment of soil, groundwater, and sediment may be required to fully delineate the releases at the site in support of MCP-related response actions and to prepare remediation plans in support of potential site redevelopment. Further assessment should be conducted beneath the on-site Lot 27 building to evaluate for additional release mechanisms and potential source areas of VOCs to bedrock groundwater.





## 8.0 REFERENCES

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## 9.0 LIMITATIONS OF WORK PRODUCT

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3. The observations described and upon which the work product was based were made under the conditions stated therein. Any conclusions presented in the work product were based solely upon the services described therein, and not on scientific or engineering tasks or procedures beyond the scope of described services.
4. In preparing its work product, Consultant may have relied on certain information provided by state and local officials and information and representations made by other parties referenced therein, and on information contained in the files of state and/or local agencies made available at the time of the project. To the extent that such files which may affect the conclusions of the work product are missing, incomplete, inaccurate or not provided, Consultant is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, Consultant did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this project. Consultant assumes no responsibility or liability to discover or determine any defects in such information which could result in failure to identify contamination or other defect in, at or near the site. Unless specifically stated in the work product, Consultant assumes no responsibility or liability for the accuracy of drawings and reports obtained, received or reviewed.
5. If the purpose of this project was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous substances, waste or petroleum and chemical products and wastes as defined in the work product, unless otherwise noted, no specific attempt was made to check the compliance of present or past owners or operators of the subject site with Federal, state, or local laws and regulations, environmental or otherwise.



6. If water level readings have been made, these observations were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in water levels may occur due to variations in rainfall, passage of time and other factors and such fluctuations may effect the conclusions and recommendations presented herein.
7. Except as noted in the work product, no quantitative laboratory testing was performed as part of the project. Where such analyses have been conducted by an outside laboratory, Consultant has relied upon the data provided, and unless otherwise described in the work product has not conducted an independent evaluation of the reliability of these tests.
8. If the conclusions and recommendations contained in the work product are based, in part, upon various types of chemical data, then the conclusions and recommendations are contingent upon the validity of such data. These data (if obtained) have been reviewed and interpretations made by Consultant. If indicated in the work product, some of these data may be preliminary or screening-level data and should be confirmed with quantitative analyses if more specific information is necessary. 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.
9. Chemical analyses may have been performed for specific parameters during the course of this project, as described in the work product. However, it should be noted that additional chemical constituents not included in the analyses conducted for the project may be present in soil, groundwater, surface water, sediments or building materials at the subject site.
10. Ownership and property interests of all documents, including reports, electronic media, drawings and specifications, prepared or furnished by Consultant pursuant to this project are subject to the terms and conditions specified in the contract between the Consultant and Client, whether or not the project is completed.
11. Unless otherwise specifically noted in the work product or a requirement of the contract between the Consultant and Client, any reuse, modification or disbursement of documents to third parties will be at the sole risk of the third party and without liability or legal exposure to Consultant.
12. In the event that any questions arise with respect to the scope or meaning of Consultant's work product, immediately contact Consultant for clarification, explanation or to update the work product. In addition, Consultant has the right to verify, at the party's expense, the accuracy of the information contained in the work product, as deemed necessary by Consultant, based upon the passage of time or other material change in conditions since conducting the work.
13. Any use of or reliance on the work product shall constitute acceptance of the terms hereof.

## TABLES

### FORMER NU-STYLE COMPANY, INC. PHASE II ESA ADDENDUM

**Table 4**  
**Summary of Sediment Analytical Data and Objectives**

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Environmental Site Assessment Addendum Report  
Prepared for the County of Norfolk, Massachusetts

February 2008

Sample Location		SD-01	SD-02	SD-03	SD-03	SD-04	SD-05*	SD-05*	SD-06*	SD-07*
Sample ID		841070426-06	841070426-07	841070426-08	841070426-09	841070426-10	937071025-01	937071025-02	937071025-04	937071025-03
Date Collected		4/26/2007	4/26/2007	4/26/2007	4/26/2007	4/26/2007	10/25/2007	10/25/2007	10/25/2007	10/25/2007
Sample Type	UNITS	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Duplicate 1	Primary	Primary
Starting Depth	feet	0	0	0	0	0	0	0	0	0
Ending Depth	feet	0.2	0.2	0.2	0.2	0.2	0.25	0.25	0.25	0.25
<b>Metals (EPA Method 6010)</b>										
Arsenic	mg/kg	ND < 0.31	0.75	ND < 0.30	1.2	ND < 0.30	NA	NA	NA	NA
Barium	mg/kg	15	20	22	16	9.0	NA	NA	NA	NA
Beryllium	mg/kg	0.13	0.16	0.16	0.15	0.15	NA	NA	NA	NA
Cadmium	mg/kg	0.14	0.13	0.16	0.14	0.14	NA	NA	NA	NA
Chromium	mg/kg	1.6	1.3	0.75	1.1	2.9	NA	NA	NA	NA
Copper	mg/kg	7.0	6.1	1.8	1.9	3.2	NA	NA	NA	NA
Lead	mg/kg	8.6	5.9	4.8	6.6	13	NA	NA	NA	NA
Nickel	mg/kg	5.4	3.6	0.69	1.5	1.4	NA	NA	NA	NA
Thallium	mg/kg	0.55	0.99	0.69	ND < 0.30	ND < 0.30	NA	NA	NA	NA
Zinc	mg/kg	23	18	15	16	12	NA	NA	NA	NA
<b>VOC (EPA Method 8260)</b>										
Acetone	µg/kg	ND < 5.2	ND < 5.4	ND < 4.6	ND < 5.1	7.8	NA	NA	NA	NA
Tetrachloroethylene	µg/kg	7.6	37	ND < 4.6	ND < 5.1	ND < 4.5	NA	NA	NA	NA
Trichloroethylene	µg/kg	ND < 5.2	12	ND < 4.6	ND < 5.1	ND < 4.5	NA	NA	NA	NA
<b>EPH/SVOC (MADEP Method/EPA Method 8270)</b>										
C11-C22 Aromatics	µg/kg	14,000	ND < 12,000	ND < 12,000	ND < 12,000	ND < 12,000	NA	NA	NA	NA
C19-C36 Aliphatics	µg/kg	20,000	ND < 12,000	ND < 12,000	ND < 12,000	ND < 12,000	NA	NA	NA	NA
Acenaphthylene	µg/kg	140	ND < 120	ND < 120	ND < 120	ND < 120	77	160	76	170
Anthracene	µg/kg	160	ND < 120	ND < 120	ND < 120	ND < 120	340	280	58	98
Benzo(a)anthracene	µg/kg	330	ND < 120	ND < 120	ND < 120	ND < 120	440	ND < 40	400	920
Benzo(a)pyrene	µg/kg	ND < 120	ND < 120	ND < 120	ND < 120	ND < 120	330	770	350	860
Benzo(b)fluoranthene	µg/kg	120	ND < 120	ND < 120	ND < 120	ND < 120	470	690	520	1,200
Benzo(k)fluoranthene	µg/kg	140	ND < 120	ND < 120	ND < 120	ND < 120	390	1,000	450	990
Chrysene	µg/kg	ND < 120	ND < 120	ND < 120	ND < 120	ND < 120	480	1,100	500	1,200
Dibenzo(a,h)anthracene	µg/kg	ND < 120	ND < 120	ND < 120	ND < 120	ND < 120	46	100	ND < 40	160
Fluoranthene	µg/kg	820	ND < 120	ND < 120	ND < 120	ND < 120	890	2,500	810	2,000
Fluorene	µg/kg	ND < 120	ND < 120	ND < 120	ND < 120	ND < 120	ND < 38	81	ND < 40	ND < 46
Indeno (1,2,3-cd)pyrene	µg/kg	ND < 120	ND < 120	ND < 120	ND < 120	ND < 120	110	240	130	310
Phenanthrene	µg/kg	230	ND < 120	ND < 120	ND < 120	ND < 120	ND < 38	1,300	ND < 40	ND < 46
Pyrene	µg/kg	450	ND < 120	ND < 120	ND < 120	ND < 120	740	2,100	950	2,000

NOTES:

--- Not applicable

ND <X: Compound not detected above laboratory reporting limit

NA: Not analyzed

NI: Not established

VOC: Volatile organic compounds

EPH: Extractable Petroleum Hydrocarbons

SVOC: Semivolatile organic compounds

\* Samples collected from SD-05 through SD-07 analyzed for SVOC by EPA Method 8270; other samples analyzed for EPH by MADEP Method

Bold and color-shaded values indicate exceedance of Sediment Screening Criteria listed in Table 11.

Created by: SAH

Reviewed by: TJC

Table 6  
Summary of Soil Analytical Data and Objectives

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Environmental Site Assessment Addendum Report  
Prepared for the County of Norfolk, Massachusetts

February 2008

Sample Location		B-02	B-02	B-04	B-04	B-05	B-05	B-06	B-06	B-10	B-10	B-11	B-11	B-12	B-15	MW-01	MW-01	MW-02	MW-02	MW-03	MW-03	MW-04	MW-04	MW-04	MW-05	MW-05	MW-13	MW-17	MW-17	MW-17		
Sample ID		841061130-03	841061130-04	841061130-07	841061130-08	841061130-09	841061130-10	841061130-11	841061130-12	841061201-21	841061201-22	841061201-23	841061201-24	841061201-25	841071101-03	841061130-01	841061130-02	841061130-05	841061130-06	841061130-13	841061130-14	841061130-15	841061130-16	841061130-17	841061201-19	841061201-20	841071031-01	841071101-04	841071101-05	841071101-06		
Date Collected		11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	12/1/2006	12/1/2006	12/1/2006	12/1/2006	12/1/2006	11/1/2007	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	11/30/2006	12/1/2006	12/1/2006	10/31/2007	11/1/2007	11/1/2007	11/1/2007		
Sample Type	UNITS	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate 1			
Starting Depth	feet	0	5	0	5	0.4	5	0	1	0	5	0	5	0	2	0.5	3	0	5	0	5	0	5	0	0.4	5	10	0.3	6	6		
Ending Depth	feet	2	7	2	6	2	7	0.5	2	2	7	2	7	2	4	2	5	3	7	2	7	2	2	7	2	7	12	2	8	8		
Metals (EPA Method 6010)																																
Antimony	mg/kg	ND < 0.56	ND < 0.59	ND < 0.57	ND < 0.57	ND < 0.53	ND < 0.54	ND < 0.54	ND < 0.59	ND < 0.50	ND < 0.50	ND < 0.54	ND < 0.60	ND < 0.56	NA	ND < 0.53	ND < 0.56	ND < 0.59	ND < 0.57	ND < 0.55	ND < 0.55	ND < 0.56	ND < 0.53	ND < 0.55	6.5	6.9	NA	1.0	ND < 0.18	ND < 0.18		
Arsenic	mg/kg	1.2	ND < 0.59	ND < 0.57	2.0	1.1	ND < 0.54	ND < 0.54	1.8	ND < 0.50	ND < 0.50	1.8	ND < 0.60	3.1	NA	ND < 0.50	ND < 0.56	6.6	2.6	ND < 0.55	ND < 0.55	ND < 0.56	ND < 0.53	ND < 0.55	3.1	ND < 0.50	NA	3.0	1.3	0.84		
Barium	mg/kg	36	20	48	24	39	10	28	26	16	9.6	23	34	30	NA	16	24	36	36	18	11	14	9.2	17	110	55	NA	26	15	15		
Beryllium	mg/kg	0.21	0.19	0.34	0.36	0.25	0.13	0.18	0.16	0.7	0.91	0.16	0.38	0.26	NA	0.19	0.57	0.22	0.15	0.12	0.17	0.24	0.081	0.15	0.37	0.17	NA	0.35	0.24	0.21		
Cadmium	mg/kg	0.17	0.14	0.34	0.19	0.22	ND < 0.11	0.46	0.13	ND < 0.10	ND < 0.10	0.26	ND < 0.12	0.19	NA	ND < 0.10	ND < 0.11	0.13	ND < 0.11	0.16	ND < 0.11	0.15	ND < 0.11	ND < 0.11	0.54	0.18	NA	0.6	0.37	0.17		
Chromium	mg/kg	7.1	6.0	8.4	5.4	5.1	3.5	5.8	7.4	5.2	1.9	5.4	4.4	6	NA	3.2	5.3	35	4.1	2.2	5.5	6.0	1.4	5.7	27	26	NA	24	15	3.8		
Copper	mg/kg	91	43	13	18	32	3.4	31	20	6.3	1.9	8.5	2.9	37	NA	4.9	12	160	9.0	5.0	2.9	2.0	2.5	25	29	9.5	NA	110	11	3.1		
Lead	mg/kg	40	18	8.4	22	20	1.6	97	25	2.9	4.8	17	4.3	93	NA	4.9	8.1	25	89	9.2	2.6	3.4	1.5	4.7	780	310	NA	68	7.1	2.5		
Mercury (EPA Method 7471)	mg/kg	0.029	ND < 0.024	0.034	0.051	0.023	ND < 0.022	ND < 0.021	0.065	0.023	ND < 0.021	0.032	ND < 0.024	0.044	NA	ND < 0.021	ND < 0.022	0.14	ND < 0.023	ND < 0.022	ND < 0.022	ND < 0.023	ND < 0.021	ND < 0.022	0.073	ND < 0.023	NA	0.12	0.028	ND < 0.024		
Nickel	mg/kg	4.0	3.6	23	37	4.9	14	10	2.6	3.6	1.0	3.2	1.7	130	NA	2.6	3.3	6.2	5.0	3.2	1.8	2.0	6.5	2.0	6.4	6.3	NA	4.3	4.7	2.2		
Zinc	mg/kg	85	63	20	26	48	6.8	71	14	22	15	48	8.4	28	NA	10	13	27	54	14	6.3	4.0	4.2	16	310	84	NA	73	28	11		
VOC (EPA Method 8260)																																
1,1,1-trichloroethane	ug/kg	ND < 5.1	ND < 5.8	ND < 570	ND < 1,100	ND < 5.0	ND < 5.3	ND < 1,100	ND < 5.8	ND < 270	ND < 5.4	ND < 5.0	ND < 5.7	ND < 5.2	ND < 1,200	ND < 5.3	ND < 5.6	ND < 5.3	ND < 5.5	ND < 5.2	ND < 5.4	73	17	ND < 4.6	ND < 4.6	ND < 5.6	ND < 3.2	ND < 6.4	ND < 4.7	ND < 5.2		
Acetone	ug/kg	ND < 20	ND < 23	ND < 2,300	ND < 4,500	ND < 20	ND < 21	ND < 4,300	ND < 23	ND < 1,100	ND < 22	ND < 20	30	ND < 21	ND < 1,200	ND < 21	ND < 22	ND < 21	ND < 22	ND < 21	ND < 22	ND < 21	ND < 20	ND < 18	ND < 18	ND < 22	ND < 3.2	11	28	35		
M/P-xylenes	ug/kg	7.0	ND < 5.8	ND < 350	ND < 340	ND < 5.0	ND < 5.3	ND < 300	ND < 5.8	ND < 270	ND < 5.4	ND < 5.0	ND < 5.7	ND < 5.2	ND < 1,200	ND < 5.3	ND < 5.6	ND < 5.3	ND < 5.5	ND < 5.2	ND < 5.4	ND < 5.2	ND < 4.9	ND < 4.6	ND < 4.6	ND < 3.2	ND < 6.4	ND < 4.7	ND < 5.2			
Methyl ethyl Ketone	ug/kg	ND < 10	ND < 12	ND < 1,100	ND < 2,300	ND < 10	ND < 10	ND < 2,100	ND < 12	ND < 550	ND < 11	ND < 10	ND < 11	ND < 10	ND < 1,200	ND < 10	ND < 11	ND < 11	ND < 11	ND < 10	ND < 11	ND < 10	ND < 9.8	ND < 9.2	ND < 9.2	ND < 11	ND < 3.2	ND < 6.4	6.6	7.4		
Naphthalene	ug/kg	ND < 5.1	10	ND < 110	ND < 110	ND < 5.0	ND < 5.3	ND < 110	ND < 5.8	ND < 100	ND < 5.4	ND < 5.0	ND < 5.2	ND < 1,200	ND < 5.3	ND < 5.6	ND < 5.3	ND < 5.5	ND < 5.3	ND < 5.5	260	ND < 5.4	ND < 5.2	2300	ND < 4.6	ND < 5.6	ND < 3.2	140	ND < 4.7	ND < 5.2		
Tetrachloroethylene	ug/kg	ND < 5.1	ND < 5.8	15,000	20,000	110	22	34,000	310	4,300	48	40	45	11	40,000	ND < 5.3	ND < 5.6	28	45	130	120	13	18	26	ND < 4.6	ND < 5.6	6.4	ND < 6.4	ND < 4.7	ND < 5.2		
Toluene	ug/kg	17	ND < 5.8	ND < 350	ND < 340	ND < 5.0	ND < 5.3	ND < 300	ND < 5.8	ND < 270	ND < 5.4	16	ND < 5.7	ND < 5.2	ND < 1,200	ND < 5.3	ND < 5.6	ND < 5.3	ND < 5.5	ND < 5.2	ND < 5.4	ND < 5.2	ND < 4.9	ND < 4.6	ND < 4.6	ND < 5.6	ND < 6.4	ND < 4.7	ND < 5.2			
Trichloroethylene	ug/kg	ND < 5.1	ND < 5.8	19,000	31,000	58	9.6	6,700	79	9,300	150	5	ND < 5.7	6.5	9,200	ND < 5.3	ND < 5.6	12	21	150	67	37	44	24	ND < 4.6	ND < 5.6	3.5	ND < 6.4	ND < 4.7	ND < 5.2		
EPH with Targets (MADEP Method)																																
C11-C22 Aromatics	ug/kg	17,000	32,000	40,000	61,000	33,000	ND < 11,000	92,000	ND < 12,000	25,000	ND < 10,000	18,000	ND < 11,000	28,000	NA	100,000	16,000	110,000	20,000	52,000	81,000	ND < 11,000	ND < 11,000	ND < 10,000	ND < 11,000	ND < 11,000	ND < 11,000	NA	60,000	17,000	ND < 12,000	
C19-C36 Aliphatics	ug/kg	ND < 11,000	ND < 11,000	ND < 11,000	ND < 11,000	ND < 10,000	ND < 11,000	24,000	ND < 12,000	ND < 10,000	ND < 10,000	ND < 11,000	ND < 11,000	16,000	NA	40,000	14,000	ND < 11,000	ND < 11,000	ND < 10,000	38,000	ND < 11,000	ND < 11,000	ND < 10,000	ND < 11,000	ND < 11,000	ND < 11,000	NA	18,000	ND < 12,000	ND < 12,000	
2-Methylnaphthalene	ug/kg	ND < 110	ND < 110	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	ND < 120	ND < 100	ND < 100	ND < 110	ND < 110	ND < 110	NA	ND < 100	ND < 100	210	ND < 110	200	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	ND < 130	ND < 120	ND < 120		
Acenaphthene	ug/kg	740	ND < 110	ND < 110	ND < 110	220	ND < 110	ND < 110	ND < 120	ND < 100	ND < 100	ND < 110	ND < 110	ND < 110	NA	ND < 100	ND < 100	ND < 110	ND < 110	560	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	150	ND < 120	ND < 120		
Acenaphthylene	ug/kg	240	340	230	250	ND < 100	ND < 110	260	ND < 120	200	ND < 100	ND < 110	ND < 110	120	NA	270	ND < 100	1,300	350	150	120	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	260	ND < 120	ND < 120		
Anthracene	ug/kg	ND < 110	320	200	ND < 110	970	ND < 110	340	ND < 120	250	ND < 100	ND < 110	ND < 110	ND < 110	NA	390	ND < 100	2,000	ND < 110	1,800	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	640	ND < 120	ND < 120		
Benzo(a)anthracene	ug/kg	ND < 110	1,000	330	310	1,100	ND < 110	560	ND < 120	1,500	ND < 100	ND < 110	ND < 110	490	NA	1,200	ND < 100	4,400	200	2,800	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	1,800	ND < 120	ND < 120		
Benzo(a)pyrene	ug/kg	ND < 110	1,000	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	ND < 120	2,000	ND < 100	ND < 110	ND < 110	ND < 110	NA	1,100	ND < 100	3,300	ND < 110	2,200	ND < 100	ND < 110	ND < 110	ND < 100	ND < 110	ND < 110	NA	1,600	ND < 120	ND < 120		
Benzo(b)fluoranthene	ug/kg	ND < 110	1,400	560	ND < 110	ND < 100	ND < 110	ND < 110	ND < 120	2,000	ND < 100	ND < 110	ND < 110	290	NA	1,700	ND < 100	5,600</														

Table 8  
Summary of Groundwater Analytical Data and Objectives

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Environmental Site Assessment Addendum Report  
Prepared for the County of Norfolk, Massachusetts

February 2008

Sample Location Sample ID Date Collected Sample Type		MCP Regulatory Standards		MW-01	MW-01	MW-01	MW-02	MW-02	MW-03	MW-03	MW-04	MW-05	MW-05	MW-13	MW-13	MW-14	MW-16	MW-17	MW-17
		MA Method 1 GW Std Application for GW-2 area	MA Method 1 GW Std Application for GW-3 area	841061208-27 12/8/2006 Primary	841061208-28 12/8/2006 Duplicate	841071106-03 11/6/2007 Primary	841061208-30 12/8/2006 Primary	841071107-10 11/7/2007 Primary	841061208-32 12/8/2006 Primary	841071107-11 11/7/2007 Primary	841061208-29 12/8/2006 Primary	841061208-31 12/8/2006 Primary	841071107-09 11/7/2007 Primary	841071106-05 11/6/2007 Primary	841071106-06 11/6/2007 Duplicate	841071106-04 11/6/2007 Primary	841071107-08 11/7/2007 Primary	841071106-01 11/6/2007 Primary	841071106-02 11/6/2007 Duplicate
Groundwater Parameters	UNITS																		
pH	SU	----	----	5.97	5.97	6.35	6.59	6.86	6.33	5.91	5.97	NA	6.03	5.68	5.68	5.78	5.91	6.36	6.36
Specific Conductance	µS/cm	----	----	464	464	470	1,727	1,547	1,534	3,129	2,010	NA	NA	3,761	3,761	3,065	2,543	494	494
Temperature	C deg	----	----	13.1	13.1	17	8.3	13.7	7.6	14.1	10.5	NA	13.2	12	12	15.5	14.9	17.9	17.9
Turbidity	ntu	----	----	36	36	20.5	50	NA	500	NA	15	NA	NA	4.64	4.64	3.3	8.9	4.4	4.4
Dissolved Oxygen	mg/l	----	----	0.4	0.4	0.1	7.7	4.9	6.9	4.9	2.6	NA	NA	2.8	2.8	3.5	1.6	0.1	0.1
ORP	mv			-35.0	NA	-116.2	59	45.8	93.2	51.3	45.1	NA	NA	30	30	20.2	52.6	-53.2	NA
Metals (EPA Method 6010)																			
Barium, Total	mg/l	NE	50	0.042	0.038	0.031	0.15	NA	0.21	NA	0.14	0.83	NA	0.24	0.25	0.12	0.11	0.06	0.061
Barium, Dissolved	mg/l	NE	50	NA	NA	NA	NA	0.18	NA	0.17	NA	NA	0.39	NA	NA	NA	NA	NA	NA
Beryllium	mg/l	NE	0.05	ND < 0.0010	ND < 0.0010	NA	ND < 0.0010	NA	0.0087	NA	ND < 0.0010	0.0018	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/l	NE	0.004	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020	NA	ND < 0.0020	NA	ND < 0.0020	0.0034	NA	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020
Chromium	mg/l	NE	0.3	ND < 0.010	ND < 0.010	0.0029	ND < 0.010	NA	0.036	NA	ND < 0.01	0.092	NA	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020
Copper	mg/l	NE	NE	ND < 0.010	ND < 0.010	NA	0.015	NA	0.018	NA	ND < 0.01	0.073	NA	NA	NA	NA	NA	NA	NA
Lead, Total	mg/l	NE	0.01	0.014	0.012	0.0066	ND < 0.0040	NA	0.098	NA	ND < 0.0040	1.9	NA	0.0033	0.0053	ND < 0.0020	ND < 0.0020	ND < 0.0020	ND < 0.0020
Lead, Dissolved	mg/l	NE	0.01	NA	NA	NA	NA	0.0026	NA	0.006	NA	NA	0.094	NA	NA	NA	NA	NA	NA
Nickel	mg/l	NE	0.2	ND < 0.010	ND < 0.010	NA	0.15	NA	0.054	NA	0.017	0.12	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/l	NE	0.9	0.023	0.015	NA	0.057	NA	0.17	NA	0.028	0.73	NA	NA	NA	NA	NA	NA	NA
VOC (EPA Method 8260)																			
1,1,1-trichloroethane	µg/l	4,000	20,000	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.8	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-dichloroethylene	µg/l	100	50,000	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.7	ND < 1.0	ND < 1.0	8	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methyl tert butyl ether	µg/l	50,000	50,000	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.8	ND < 1.0	ND < 1.0	1.5	1.4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethylene	µg/l	50	30,000	ND < 1.0	ND < 1.0	ND < 1.0	6.6	23	43	74	240	ND < 1.0	1.3	290	260	12	41	ND < 1.0	ND < 1.0
Trichloroethylene	µg/l	30	5,000	ND < 1.0	ND < 1.0	ND < 1.0	6.6	25	40	59	150	ND < 1.0	ND < 1.0	60	56	20	45	ND < 1.0	ND < 1.0

NOTES:  
--- Not applicable  
ND <X: Compound not detected above laboratory reporting limit  
NA: Not analyzed  
NE: Not established  
µS/cm: microsiemens per centimeter  
C deg: degrees Celcius  
ntu: nephelometric turbidity units  
ORP: Oxidation-reduction potential  
mv: millivolts  
mg/l: milligrams per liter  
µg/l: micrograms per liter  
VOC: Volatile organic compounds  
Bold and color-shaded values indicate exceedence of one or more regulatory criteria.

Created by: SAH  
Reviewed by: TJC



**Table 10**  
**Summary of Surface Water Analytical Data and Objectives**

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Environmental Site Assessment Addendum Report  
Prepared for the County of Norfolk, Massachusetts

February 2008

		MA Method 1 GW Std Application for GW-3 area	US EPA Chronic Criteria Continuous Concentrations	SW-01 841070426-01 04/26/2007 Primary	SW-02 841070426-02 04/26/2007 Primary	SW-03 841070426-03 04/26/2007 Primary	SW-03 841070426-04 04/26/2007 Duplicate	SW-04 841070426-05 04/26/2007 Primary
<b>Metals</b> (Method 6010)								
Barium	mg/l	50	NE	0.086	0.085	0.084	0.083	0.083
Copper	mg/l	NE	0.0090	0.0040	0.0023	ND < 0.0020	0.0041	0.0023
Lead	mg/l	0.01	0.0025	ND < 0.0020	ND < 0.0020	0.0033	ND < 0.0020	ND < 0.0020
Zinc	mg/l	0.9	0.12	0.018	0.017	0.017	0.016	0.015
<b>VOC</b> (Method 8260)		Varies	Varies	ND < varies	ND < varies	ND < varies	ND < varies	ND < varies
<b>VPH</b> (MADEP Method)								
Methyl tert-butyl ether (MTBE)	µg/l	50,000	NE	ND < 1.0	1.1	ND < 1.0	1.1	ND < 1.0
<b>EPH</b> (MADEP Method)	µg/l	Varies	Varies	ND < varies	ND < varies	ND < varies	ND < varies	ND < varies

ND <X: Compound not detected above laboratory reporting limit  
 US EPA: United States Environmental Protection Agency  
 VPH: Volatile petroleum hydrocarbons  
 EPH: Extractable petroleum hydrocarbons  
 VOC: Volatile organic compounds  
 NE: Not established

Created by: SAH  
 Reviewed by: TJC

**Table 11**  
**Summary of MADEP Criteria for Detected Compounds in Soil and Sediment**

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Environmental Site Assessment Addendum Report  
Prepared for the County of Norfolk, Massachusetts

February 2008

		Regulatory Criteria for Soil						MADEP Stage I Freshwater Sediment Screening Criteria*
		MA Method 1 S-1 Std Application for GW-2 area	MA Method 1 S-1 Std Application for GW-3 area	MA Method 1 S-2 Std Application for GW-2 area	MA Method 1 S-2 Std Application for GW-3 area	MA Method 1 S-3 Std Application for GW-2 area	MA Method 1 S-3 Std Application for GW-3 area	
<b>Total Metals</b> (via Method 6010/7471)	UNITS							
Antimony	mg/kg	20	20	30	30	30	30	NE
Arsenic	mg/kg	20	20	20	20	20	20	33
Barium	mg/kg	1,000	1,000	3,000	3,000	5,000	5,000	NE
Beryllium	mg/kg	1	1	1	1	3	3	NE
Cadmium	mg/kg	2	2	30	30	30	30	5.0
Chromium	mg/kg	30	30	200	200	200	200	110
Copper	mg/kg	----	----	----	----	----	----	150
Lead	mg/kg	300	300	300	300	300	300	130
Mercury	mg/kg	20	20	30	30	30	30	0.18
Nickel	mg/kg	20	20	700	700	700	700	49
Thallium	mg/kg	8,000	8,000	60,000	60,000	80,000	80,000	NE
Zinc	mg/kg	2,500	2,500	3,000	3,000	5,000	5,000	460
<b>VPH</b> (MADEP Method)								
C9-C12 Aliphatics	µg/kg	1,000,000	1,000,000	2,500,000	2,500,000	5,000,000	5,000,000	
<b>VOC</b> (Method 8260B)								
1,1,1-trichloroethane	µg/kg	500,000	500,000	600,000	1,000,000	600,000	3,000,000	NE
Acetone	µg/kg	60,000	60,000	60,000	60,000	60,000	60,000	NE
M/P-xylenes	µg/kg	300,000	300,000	5,000,000	5,000,000	300,000	300,000	NE
Methyl ethyl Ketone	µg/kg	40,000	40,000	40,000	40,000	40,000	40,000	NE
Naphthalene	µg/kg	40,000	500,000	2,000,000	2,000,000	40,000	3,000,000	NE
Tetrachloroethylene	µg/kg	10,000	30,000	10,000	200,000	10,000	1,000,000	NE
Toluene	µg/kg	300,000	500,000	2,500,000	2,500,000	300,000	1,000,000	NE
Trichloroethylene	µg/kg	2,000	90,000	2,000	700,000	2,000	2,000,000	NE
<b>EPH</b> (MADEP Method)								
C19-C36 Aliphatics	µg/kg	2,500,000	2,500,000	5,000,000	5,000,000	5,000,000	5,000,000	NE
C11-C22 Aromatics	µg/kg	800,000	800,000	2,000,000	2,000,000	5,000,000	5,000,000	NE
2-Methylnaphthalene	µg/kg	500,000	500,000	1,000,000	1,000,000	2,000,000	1,000,000	NE
Acenaphthene	µg/kg	1,000,000	1,000,000	2,500,000	2,500,000	5,000,000	4,000,000	NE
Acenaphthylene	µg/kg	100,000	100,000	2,500,000	1,000,000	2,500,000	1,000,000	NE
Anthracene	µg/kg	1,000,000	1,000,000	2,500,000	2,500,000	5,000,000	5,000,000	57
Benzo(a)anthracene	µg/kg	7,000	7,000	40,000	40,000	300,000	300,000	110
Benzo(a)pyrene	µg/kg	2,000	2,000	4,000	4,000	30,000	30,000	150
Benzo(b)fluoranthene	µg/kg	7,000	7,000	40,000	40,000	300,000	300,000	NE
Benzo(ghi)perylene	µg/kg	1,000,000	1,000,000	2,500,000	2,500,000	2,500,000	2,500,000	NE
Benzo(k)fluoranthene	µg/kg	70,000	70,000	400,000	400,000	3,000,000	3,000,000	NE
Chrysene	µg/kg	7,000	7,000	10,000	10,000	40,000	40,000	170
Dibenzo(a,h)anthracene	µg/kg	700	700	4,000	4,000	30,000	30,000	33
Fluoranthene	µg/kg	1,000,000	1,000,000	3,000,000	3,000,000	5,000,000	5,000,000	420
Fluorene	µg/kg	1,000,000	1,000,000	3,000,000	2,000,000	5,000,000	4,000,000	77
Indeno (1,2,3-cd)pyrene	µg/kg	7,000	7,000	40,000	40,000	300,000	300,000	NE
Naphthalene	µg/kg	40,000	500,000	2,000,000	2,000,000	40,000	3,000,000	180
Phenanthrene	µg/kg	1,000,000	100,000	2,500,000	100,000	2,500,000	100,000	200
Pyrene	µg/kg	1,000,000	1,000,000	3,000,000	3,000,000	5,000,000	5,000,000	200

**NOTES:**

µg/kg: micrograms per kilogram

mg/kg: milligrams per kilogram

NE: not established

S: soil

GW: groundwater

VPH: Volatile Petroleum Hydrocarbons

VOC: volatile organic compounds

EPH: Extractable Petroleum Hydrocarbons

MADEP: Massachusetts Department of Environmental Protection

\* Sediment Screening Criteria incorporate Threshold Effect Concentrations of MacDonald et al. (2000) and revised Sediment Screening Criteria published by MADEP (2005).

Created by: SAH

Reviewed by:

**Table 12**  
**Groundwater Elevation Measurements for On-Site Monitoring Wells**  
**Gauged November 7, 2007**

Former Nu-Style Property  
 Grove Street  
 Franklin, Massachusetts

Phase II Environmental Site Assessment Addendum Report  
 Prepared for Norfolk County, Massachusetts

February 2008

Location	Time	Depth to Water (feet from PVC)	Absolute Elevation of PVC <sup>a</sup> (feet)	Groundwater Elevation (feet)
MW-1 <sup>b</sup>	0930	4.60	100.35	95.75
MW-2	0911	8.16	98.54	90.38
MW-3	0920	8.07	99.73	91.66
MW-4	Unable to locate MW-4			
MW-5	1100	9.20	104.47	95.27
MW-13	0915	6.99	99.31	92.32
MW-14	0926	10.41	104.40	93.99
MW-16	0924	7.15	100.81	93.66
MW-17 <sup>b</sup>	0920	4.61	100.37	95.76

<sup>a</sup>elevation data from surveys conducted December 4, 2006 and November 7, 2007

<sup>b</sup>Monitoring wells MW-1 and MW-17 were gauged on November 6, 2007  
 survey data utilize the same arbitrary 100.00-foot benchmark

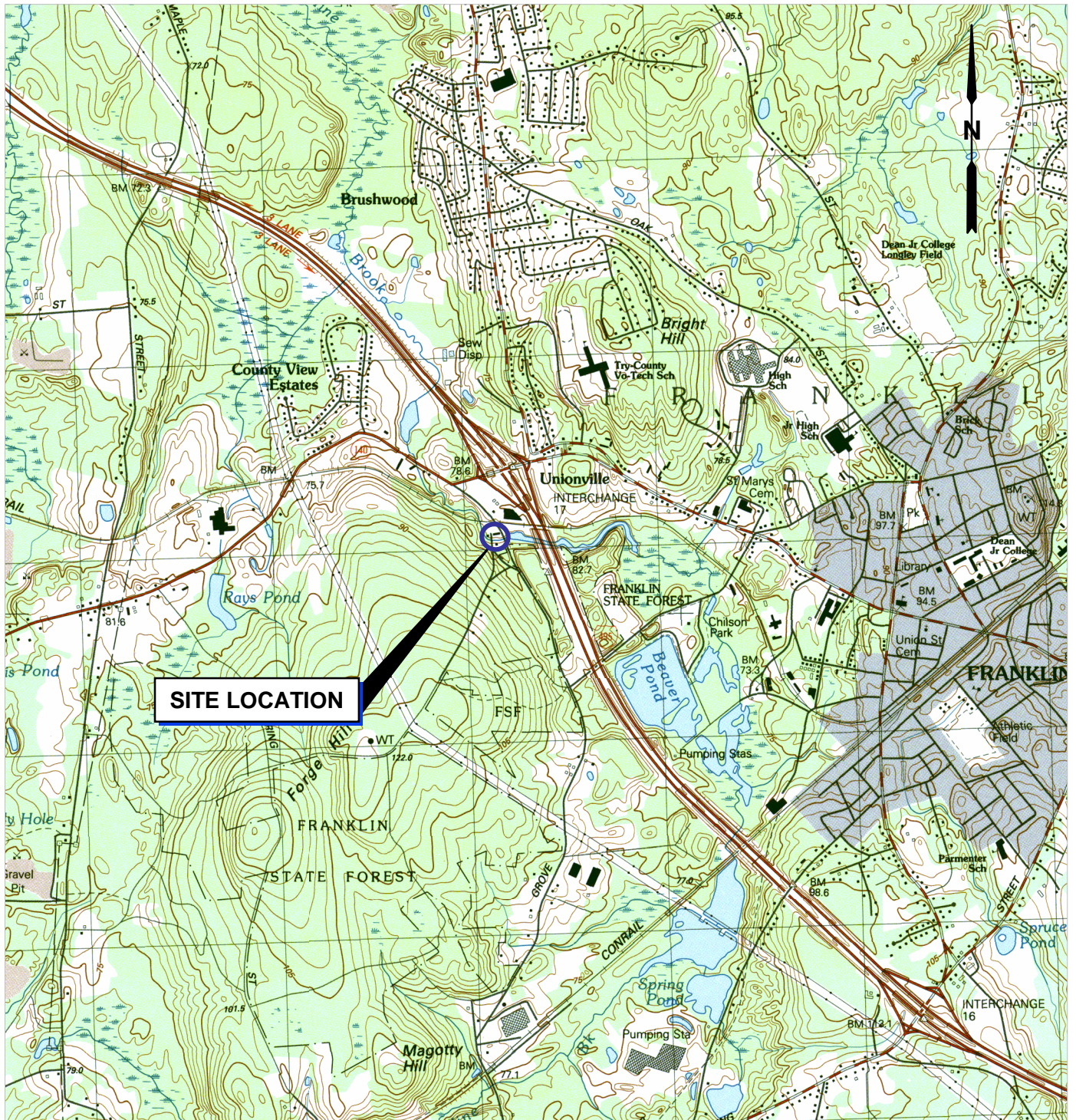
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Reviewed by TJC

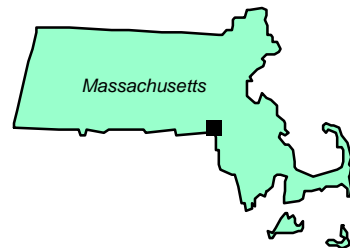
## FIGURES

### FORMER NU-STYLE PROPERTY PHASE II ESA ADDENDUM





**MAP REFERENCE:**  
THIS MAP WAS PREPARED FROM THE FOLLOWING  
7.5 MINUTE SERIES TOPOGRAPHIC MAP:  
FRANKLIN, MASSACHUSETTS-RHODE ISLAND, 1987



0 1000 2000'  
APPROX. GRAPHIC SCALE

SCALE: 1"=2083'



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401-861-3070 [www.FandO.com](http://www.FandO.com)

NORFOLK COUNTY, MASSACHUSETTS

### SITE LOCATION MAP

FORMER NU-STYLE COMPANY, INC.

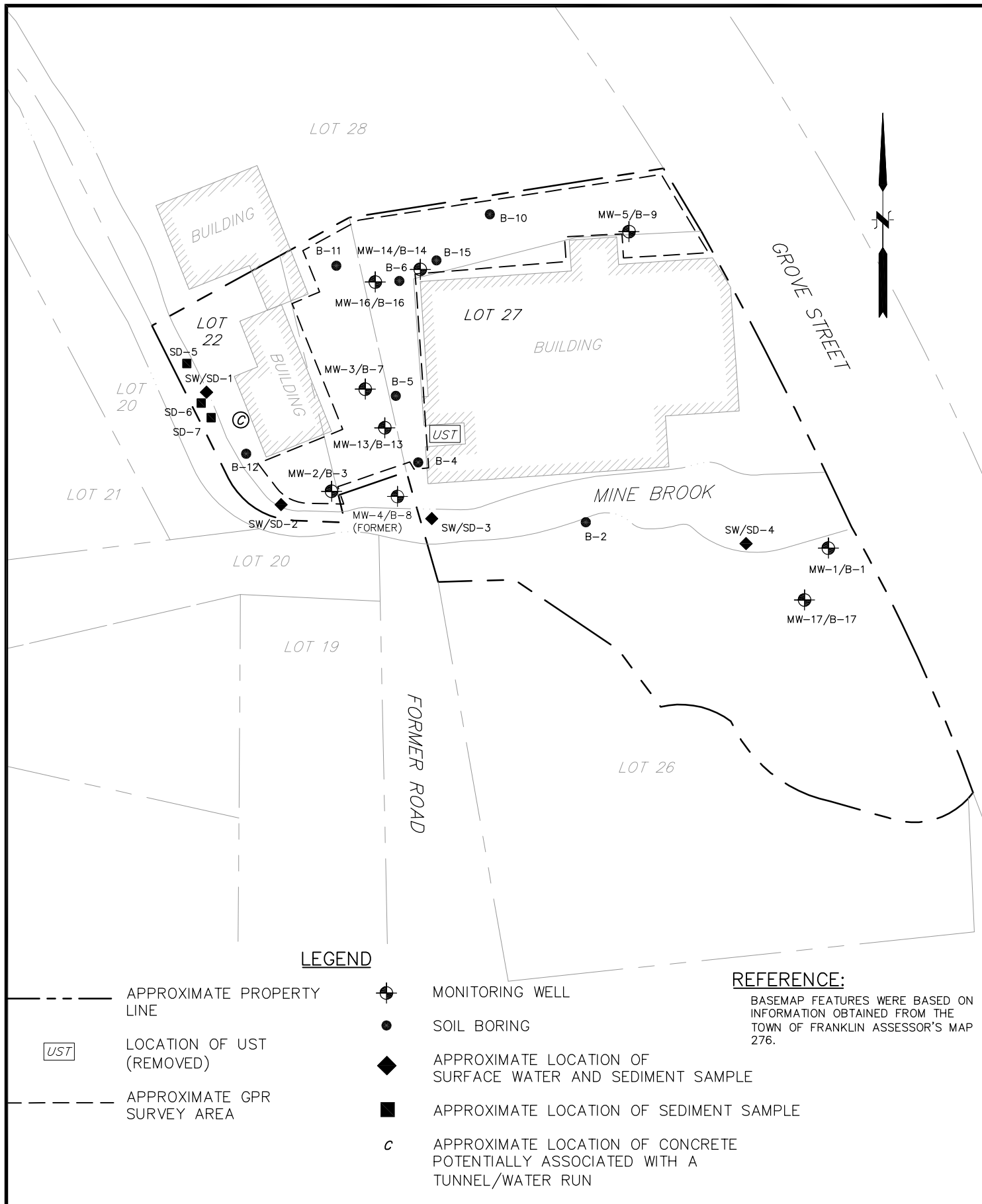
87 GROVE STREET

FRANKLIN, MASS.

PROJ. No: 20050458.B10  
DATE: JANUARY 2008

FIGURE 1





SCALE:	
HORZ.: 1" = 60'	
VERT.:	
DATUM:	
HORZ.:	
VERT.:	
0 30 60	
GRAPHIC SCALE	



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FORMER NU-STYLE PROPERTY

SITE PLAN

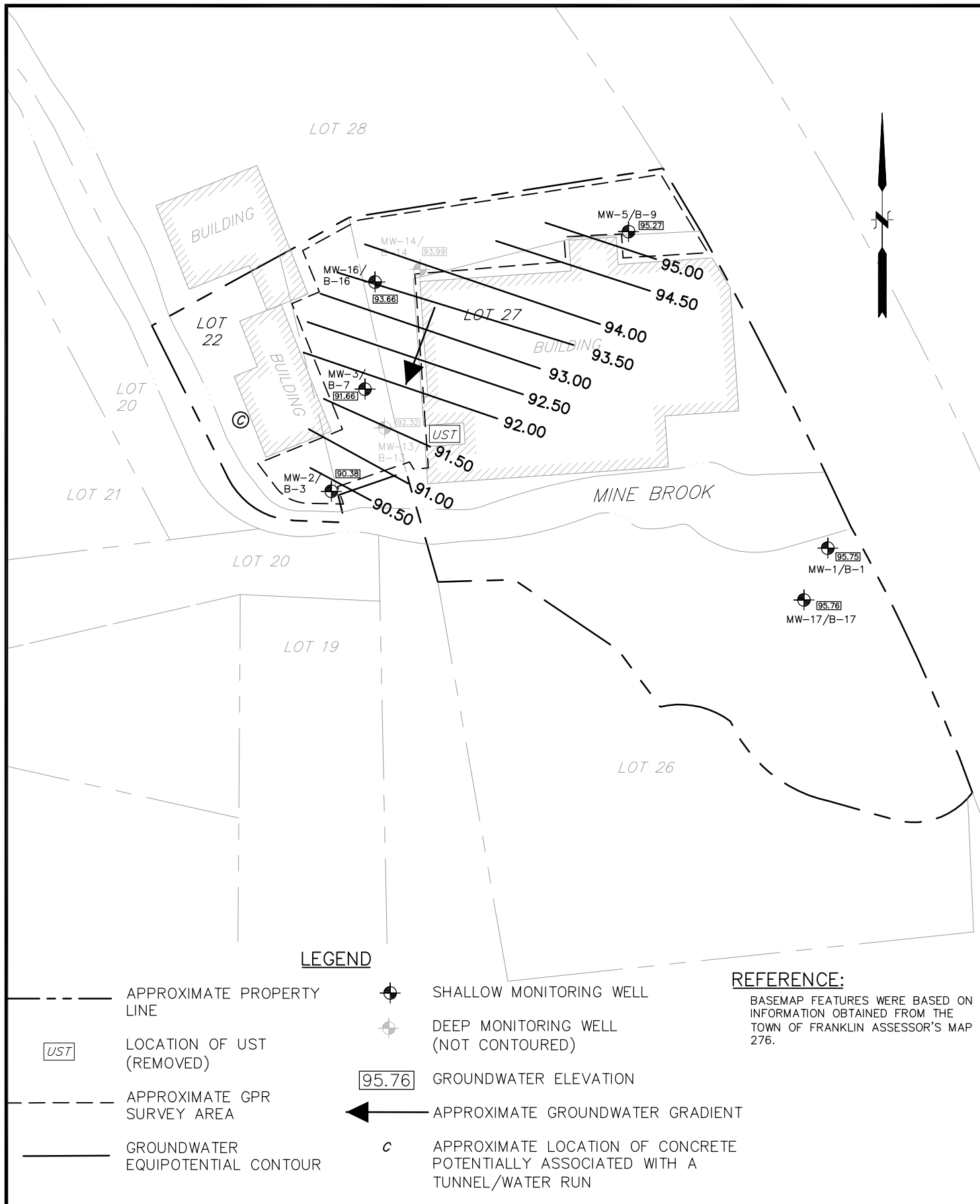
87 GROVE STREET

FRANKLIN

MASSACHUSETTS

PROJ. No.: 20050458.B10  
DATE: JANUARY 2008

**FIGURE 2**



SCALE:	
HORZ.:	1" = 60'
VERT.:	
DATUM:	
HORZ.:	
VERT.:	
0 30 60	
GRAPHIC SCALE	

275 PROMENADE ST SUITE 350 PROVIDENCE RI 02908 401.861.3070

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FORMER NU-STYLE PROPERTY

SITE PLAN

87 GROVE STREET

FRANKLIN MASSACHUSETTS

PROJ. No.: 20050458.B10

DATE: JANUARY 2008

**FIGURE 3**

APPENDIX A

MADEP BUREAU OF WASTE SITE CLEANUP  
SITE SCORING MAP



# MA DEP - Bureau of Waste Site Cleanup

## SITE NAME:

Former NuStyle Property

87 Grove Street

Franklin, MA 02038

UTM Coordinates: 4662290 299210

Site Location

RTN: 2-0016694



The information shown on this map is the best available at the date of printing. Please refer to the data source descriptions document.



Office of  
Geographic and  
Environmental  
Information



Roads: Limited Access, Divided, Major Road, Connector, Street, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, Sub; Streams: Perennial, Intermittent, Man Made Shore, Dams

Potentially Productive Aquifers: Medium, High Yield

Non-Potential Drinking Water Source Area: Medium, High Yield

EPA Sole Source Aquifer; FEMA 100-year floodplain

Public Water Supplies: Ground, Surface, Non Community

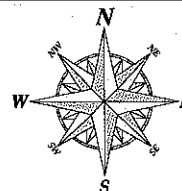
Approved Zone2; IWPA; Surface Water Supply Zone A

Hydrography: Open Water, Reservoir, Tidal Flat

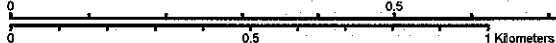
Wetlands: Fresh, Salt, NHESP Wetlands Habitat

Cranberry Bog; Protected Open Space; ACEC

DEP Permitted Solid Waste Facilities; Certified Vernal Pools



SCALE 1:15,000



November 30, 2007

APPENDIX B

SOIL BORING LOGS AND MONITORING WELL  
COMPLETION REPORTS

Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts

Site Id: MW-13  
Project Number: 2005-0458 B10



Location: Center of Old Grove Street Datum: Logged By: S. Hubbs Driller: Phil & Brian  
Description: Monitoring Well, Shallow Ground Elevation: 0.00' Contractor: Subsurface  
Date(s): 10/31/07 - 10/31/07 Coordinate X: 0.00 Borehole Dia.: 8 in Corehole Dia.: 3.00in  
Completed Depth: 35.00' Coordinate Y: 0.00 Blank Casing: type: PVC dia: 2.00in fm: 0.0' to: 25.00'  
Total Depth: 35.00' Screens: type: Slotted size: 0.010in dia: 2.00in fm: 25.00' to: 35.00'  
Drilling Method: Hollow Stem Auger/Air Rotary Annular Fill:  
Remarks: Field Instrument: OVM MiniRAE type: Concrete fm: 0.00' to: 0.50'  
Development Method: Surge block on 11/05/2007. type: Sand and Native Material fm: 0.50' to: 12.50'  
No refusal. type: Bentonite Pellets fm: 12.50' to: 23.00'  
type: #1 Sand fm: 23.00' to: 35.00'  
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Blow Count (SPT Test)	Material Description	Graphic Log	USCS Code	Well Construction	OVM
								MP. EL. 0.00	
0		N/A		0	0-0.4': SAND, F; some silt; trace asphalt; dusky brown (5YR 2/2), dry. (Fill). 0.4-2.0': Sand, F-M and silt; some gravel; moderate brown (5YR 4/4), dry.		FI		0 ppm
-2	2	N/A		5	SAND, F-M; trace gravel; dusky yellow (5Y 6/4), dry.		SW		0.5 ppm
-4	4	N/A		3	Same as above.		SP		0.9 ppm
-6	6	N/A		3	Sand, F-M and silt and gravel; moderate brown (5YR 4/4), dry.				0 ppm
-8	8	N/A		11	Same as above, wet.		SW		0.3 ppm
-10	10	-01		10	Sand, C and gravel; some F-M sand and silt; moderate olive brown (5Y 4/4), wet.				0.8 ppm
-12	12	N/A		10	Same as above. BEDROCK, granitic.				0.3 ppm
-14	14								
-16	16								

Checked By: BEK


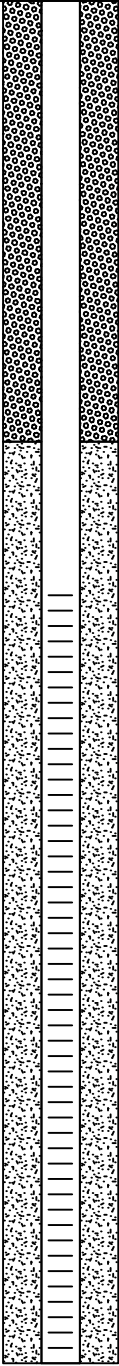
Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts

Site Id: MW-13  
Project Number: 2005-0458 B10



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275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908

Elevation	Depth	Sample No.	Recovery	Blow Count	Material Description	Graphic Log	USCS Code	Well Construction	QVM
-18	18						GR		
-20	20								
-22	22								
-24	24								
-26	26								
-28	28				Water bearing fracture.				
-30	30								
-32	32								
-34	34								
-36	36				End of boring at 35 feet.				
-38	38								

Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts

Site Id: MW-14  
Project Number: 2005-0458 B10



Location: NW corner lot 27 building      Datum:      Logged By: S. Hubbs      Driller: Phil & Brian  
Description: Monitoring Well, Shallow      Ground Elevation: 0.00'      Contractor: Subsurface  
Date(s): 10/31/07 - 10/31/07      Coordinate X: 0.00      Borehole Dia.: 8 in      Corehole Dia.: 3.00in  
Completed Depth: 21.00'      Coordinate Y: 0.00      Blank Casing: type: PVC      dia: 2.00in      fm: -2.3'      to: 11.00'  
Total Depth: 21.00'      Screens: type: Slotted size: 0.010in dia: 2.00in      fm: 11.00'      to: 21.00'  
Drilling Method: Hollow Stem Auger/Air Rotary      Annular Fill: type: Concrete      fm: 0.00'      to: 0.50'  
Remarks: Field Instrument: None      type: Sand and Native Material      fm: 0.50'      to: 8.00'  
Development Method: Surge block on 11/05/2007.      type: Bentonite Pellets      fm: 8.00'      to: 10.00'  
No refusal.      type: #1 Sand      fm: 10.00'      to: 21.00'  
type:      fm:      to:

Elevation	Depth	Sample No.	Recovery	Blow Count (SPT Test)	Material Description	Graphic Log	USCS Code	Well Construction		Vapor
								MP.	EL.	0.00
					No samples. See boring log for B-15 for material descriptions.		FI			
-2	2						SM			
-4	4									
-6	6									
-8	8				BEDROCK.					
-10	10									
-12	12									
-14	14						SH			
-16	16									

Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts


Site Id: MW-14  
Project Number: 2005-0458 B10





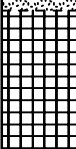
**FUSS & O'NEILL**  
*Disciplines to Deliver*

275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908

Elevation	Depth	Sample No.	Recovery	Blow Count	Material Description	Graphic Log	USCS Code	Well Construction	Vapor
-18	18				End of boring at 21 feet.				
-20	20								
-22	22								
-24	24								
-26	26								
-28	28								
-30	30								
-32	32								
-34	34								
-36	36								
-38	38								

Project Name: Nu-Style Project Location: Franklin, Massachusetts		Site Id: B-15 Project Number: 2005-0458 B10		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>275 PROMENADE STREET, SUITE 350, PROVIDENCE, RI 02908</small>	
Location: NW corner lot 27 building Description: Soil Boring Date(s): 11/01/07 - 11/01/07 Total Depth: 6.00' Remarks: Field Instrument: OVM MiniRAE		Datum: Ground Elevation: 0.00' Coordinate X: 0.00 Coordinate Y: 0.00		Logged By: S. Hubbs Contractor: Subsurface Drilling Method: Hollow Stem Auger Back Fill: type: Native Material type: type: type: type:	
				Driller: Phil & Brian Borehole Dia.: 8.00in fm: 0.00' to: 6.00' fm: to: fm: to: fm: to: fm: to:	

Elevation	Depth	Sample No.	Recovery	Blow Count (SPT Test)	Material Description	Graphic Log	USCS Code	OVM
0		N/A			Sand, F-M and gravel and coal and slag; dusky brown (5YR 2/2). (Fill).		FI	9 ppm
-2	2	-03			Sand, F and silt; trace gravel; moderate brown (5YR 4/4), moist.		SM	9.5 ppm
-4	4	N/A			BEDROCK.		SH	
-6	6				Refusal and end of boring at 6.0 feet.			
-8	8							
-10	10							
-12	12							
-14	14							
-16	16							
-18	18							

Checked By: BEK	Page 1 of 1
-----------------	-------------

Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts

Site Id: MW-16  
Project Number: 2005-0458 B10



Location: NW corner lot 27 building      Datum:      Logged By: S. Hubbs      Driller: Phil & Brian  
Description: Monitoring Well, Shallow      Ground Elevation: 0.00'      Contractor: Subsurface      Borehole Dia.: 8.00in  
Date(s): 11/01/07 - 11/01/07      Coordinate X: 0.00      Drilling Method: Hollow Stem Auger  
Completed Depth: 10.00'      Coordinate Y: 0.00      Blank Casing: type: PVC      dia: 2.00in      fm: 0.0'      to: 5.00'  
Total Depth: 10.00'      Screens: type: Slotted size: 0.010in dia: 2.00in      fm: 5.00'      to: 10.00'  
Remarks: Field Instrument: OVM MiniRAE      Annular Fill: type: Concrete      fm: 0.00'      to: 0.50'  
Development Method: Geopump      type: Sand and Native Material      fm: 0.50'      to: 2.00'  
No refusal.      type: Bentonite Chips      fm: 2.00'      to: 3.00'  
type: #1 Sand      fm: 3.00'      to: 10.00'  
type:      fm:      to:

Elevation	Depth	Sample No.	Recovery	Blow Count (SPT Test)	Material Description	Graphic Log	USCS Code	Well Construction	OVM
								MP. EL. 0.00	
0					0-7.0': No samples.				
-2	2								
-4	4						SW		
-6	6								
-8	8	N/A		100	Sand, F and silt and gravel; moderate olive brown (5Y 4/4), moist.				0.6 ppm
-10	10				End of boring at 10 feet.		SH		
-12	12								
-14	14								
-16	16								



Project Name: Nu-Style  
Township/Range: Franklin, Massachusetts

Site Id: MW-17  
Project Number: 2005-0458 B10



Location: Parking lot, S of Mine Brook Datum:  
Description: Monitoring Well, Shallow Ground Elevation: 0.00'  
Date(s): 11/01/07 - 11/01/07 Coordinate X: 0.00  
Completed Depth: 14.00' Coordinate Y: 0.00  
Total Depth: 14.00'  
Remarks: Field Instrument: OVM MiniRAE  
Development Method: Surge Block on 11/05/2007.  
No refusal.

Logged By: S. Hubbs Driller: Phil & Brian  
Contractor: Subsurface Borehole Dia.: 8.00in  
Drilling Method: Hollow Stem Auger  
Blank Casing:  
type: PVC dia: 2.00in fm: 0.0' to: 4.00'  
Screens:  
type: Slotted size: 0.010in dia: 2.00in fm: 4.00' to: 14.00'  
Annular Fill:  
type: Concrete fm: 0.00' to: 0.50'  
type: Sand and Native Material fm: 0.50' to: 1.00'  
type: Bentonite Chips fm: 1.00' to: 2.50'  
type: #1 Sand fm: 2.50' to: 14.00'

Elevation	Depth	Sample No.	Recovery	Blow Count (SPT Test)	Material Description	Graphic Log	USCS Code	Well Construction	OM
								MP. EL. 0.00	
0		N/A		3	0-0.3': ASPHALT.		AS		
		-04		4	0.3-2.0': Sand, F and silt and gravel; dusky brown (5YR 4/4), dry.				
-2	2	N/A		2	Same as above.				0 ppm
-4	4	N/A		3	Same as above, moist.		SW		0 ppm
-6	6	-05		7	Same as above, wet.				0 ppm
-8	8	N/A		9	Sand, F-M and silt; trace gravel and C sand; moderate brown (5YR 4/4), wet.				0 ppm
-10	10	N/A		14	Same as above.		SP		0 ppm
-12	12	N/A		15	Silt and clay; pale olive, wet.				0 ppm
-14	14			19	End of boring at 14 feet.		ML		

## APPENDIX C

### PREMIER LABORATORY CERTIFICATES OF ANALYSIS, FUSS & O'NEILL DATA VERIFICATION NARRATIVES AND CERTIFICATIONS, AND DATA VALIDATION COMPLETION WORKSHEETS



**Modified Tier II  
Data Validation Narrative  
and Certification**

**Project: 20050458B10, Former Nu-Style Company, Inc. Facility**

<b>Premier Laboratory Project Number:</b>	<u>E710I54</u>
<b>Date Samples Received at Laboratory:</b>	<u>10/26/2007</u>
<b>Date of Review:</b>	<u>12/18/2007</u>

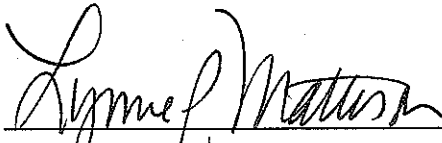
Four sediment samples, including a field duplicate, were and submitted to Premier Laboratory in Dayville, Connecticut for analysis of semi-volatile organic compounds (SVOCs) by EPA Method 8270C. Dedicated sampling equipment was used and volatile organic compounds (VOCs) were not constituents of concern; therefore, no equipment or trip blanks were indicated.

The relative percent differences (RPD) calculated for the primary and duplicate samples for several compounds were greater than the 50% limit established by the QAPP for non-aqueous samples.

Surrogate recoveries were acceptable for all samples. Low recovery of 2,4-dinitrophenol and high recovery of carbazole were reported for the lab control sample and/or lab control sample duplicate (LCS/LCSD). Reporting limits exceeded the Threshold Effects Concentrations (TECs) established by MacDonald, et al due to matrix interferences.

I certify that the field and laboratory data associated with the above referenced project, to the best of my knowledge with the exceptions noted above, are compliant with the Quality Assurance Project Plan for the Former Nu-Style Company, Inc. Facility located in Franklin, Massachusetts dated September 2006.

Certified by:

  
\_\_\_\_\_  
Lynne P. Matteson  
QA/QC Officer



**PHASE II SITE ASSESSMENT  
 FORMER NU-STYLE COMPANY, INC. FACILITY  
 MODIFIED TIER I COMPLETENESS CHECKLIST**

	<u>YES</u>	<u>NO</u>
<b>1. SAMPLING AND FIELD MEASUREMENTS:</b>		
Field measurement calibration records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Groundwater field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Soil sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Sediment sampling field measurements (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Surface water sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Low-flow sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Documentation of field activities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample numbering and labeling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Duplicate samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A
<b>2. LABORATORY MEASUREMENTS:</b>		
Trip blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Instrument blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Laboratory control samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicates samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Matrix spike/matrix spike duplicates	<input type="checkbox"/>	<input type="checkbox"/> N/A
Analysis type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Surrogate recoveries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A
<b>TOTAL:</b>	<u>13</u>	<u>0</u>
<b>PERCENT COMPLETE:</b>	<u>100</u>	%



Premier  
Laboratory, LLC

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

## ANALYTICAL DATA REPORT

Report Number: E710I54

Project: 20050458.B10/Nu-Style Phase II

prepared for:

Fuss & O'Neill  
275 Promenade Street  
Providence, RI 02908

Attn: David Foss

Received Date: 10/26/2007

Report Date: 11/5/2007

Premier Laboratory, LLC  
Authorized Signature



Certifications:  
CT (PH-0465), MA (M-CT008), ME (CT050), NH (2020), NJ (CT002), NY (11549), RI (RI246)



# Premier Laboratory, LLC

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Premier Laboratory, LLC

Project #: E710I54

Project Location: Franklin, MA

MADEP RTN<sup>1</sup>:

This Form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]

1, 2, 3, 4

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other

<b>MCP SW-846</b>	8260B <input type="checkbox"/>	8151A <input type="checkbox"/>	8330 <input type="checkbox"/>	6010B <input type="checkbox"/>	7470A/1A <input type="checkbox"/>
<b>Methods Used</b>	8270C <input checked="" type="checkbox"/>	8081A <input type="checkbox"/>	VPH <input type="checkbox"/>	6020 <input type="checkbox"/>	9014M <sup>2</sup> <input type="checkbox"/>
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 <input type="checkbox"/>	8021B <input type="checkbox"/>	EPH <input type="checkbox"/>	7000 S <sup>3</sup> <input type="checkbox"/>	7196A <input type="checkbox"/>

1 List Release Tracking Number (RTN), if known  
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method  
3 S - SW-846 Methods 7000 Series List individual method and analyte.

### An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 (a),(b),(c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
D	<b>VPH and EPH Methods only:</b> Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

### A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Robert Stevenson

Position: Laboratory Director

Printed Name: Robert Stevenson

Date: 11/5/2007



Report No: E710I54  
Client: Fuss & O'Neill  
Project: 20050458.B10/Nu-Style Phase II

## **CASE NARRATIVE / METHOD CONFORMANCE SUMMARY**

Premier Laboratory, LLC received four samples from Fuss & O'Neill on 10/26/2007. The samples were analyzed from the following list of analyses:

Moisture, Percent

Semivolatiles by 8270C for GW/SW  
8270C[3500]

### **Variances:**

#### **SDG:**

2,4 - Dinitrophenol and Carbazole recoveries in the LCS/LCS duplicate were outside quality control limits. No action was necessary because the failures were less than 20% of all analytes, as specified in MCP Method 8270. These compounds were not detected in the sample.

#### **Method:**

None reported.

#### **QA/QC:**

Sample 3, 937071025-03, Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference.

Sample 3, 937071025-03, Semivolatiles by SW-846 8270C: The detection limits are elevated for the sample due to matrix interference, as there was a large fuel pattern present.

Sample 4, 937071025-04, Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference.

Sample 4, 937071025-04, Semivolatiles by SW-846 8270C: The detection limits are elevated for the sample due to matrix interference, as there was a large fuel pattern present.

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

PL Report No: E710I54

PL Sample No: 1

Date Collected: 10/25/2007

Date Received: 10/26/2007

Date Extracted: 10/31/07 By: KT

Date Analyzed: 11/01/07 By: JD

Method: 8270C

QC Batch#: 57560

Units: ug/kg

Customer: Fuss & O'Neill

Location: Franklin, MA

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 937071025-01

Matrix: Solid

Percent Moisture: 13.9

Sample Weight/Volume: 30.23 g

Dilution Factor: 5

Extract Volume: 1

Lab Data File: L20636.D

CAS No.	Parameter	Result	DL
103-33-3	Azobenzene	ND	960
83-32-9	Acenaphthene	ND	38
208-96-8	Acenaphthylene	77	38
62-53-3	Aniline	ND	1900
120-12-7	Anthracene	340	38
92-52-4	Biphenyl	ND	960
56-55-3	Benzo[a]anthracene	440	38
50-32-8	Benzo[a]pyrene	330	38
205-99-2	Benzo[b]fluoranthene	470	38
191-24-2	Benzo[g,h,i]perylene	ND	38
207-08-9	Benzo[k]fluoranthene	390	38
65-85-0	Benzoic acid	ND	4800
100-51-6	Benzyl alcohol	ND	1900
85-68-7	Benzyl butyl phthalate	ND	960
111-91-1	Bis(2-chloroethoxy)methane	ND	960
111-44-4	Bis(2-chloroethyl)ether	ND	960
108-60-1	Bis(2-chloroisopropyl)ether	ND	1900
117-81-7	Bis(2-ethylhexyl)phthalate	ND	960
101-55-3	4-Bromophenyl phenyl ether	ND	960
59-50-7	4-Chloro-3-methylphenol	ND	960
106-47-8	4-Chloroaniline	ND	1900
91-58-7	2-Chloronaphthalene	ND	960
95-57-8	2-Chlorophenol	ND	960
7005-72-3	4-Chlorophenyl phenyl ether	ND	960
218-01-9	Chrysene	480	38
53-70-3	Dibenz[a,h]anthracene	46	38
84-74-2	Di-n-butyl phthalate	ND	960
117-84-0	Di-n-octyl phthalate	ND	960
132-64-9	Dibenzofuran	ND	1900
95-50-1	1,2-Dichlorobenzene	ND	960
541-73-1	1,3-Dichlorobenzene	ND	960
106-46-7	1,4-Dichlorobenzene	ND	960
91-94-1	3,3-Dichlorobenzidine	ND	960
120-83-2	2,4-Dichlorophenol	ND	960
84-66-2	Diethyl phthalate	ND	960
131-11-3	Dimethyl phthalate	ND	960
105-67-9	2,4-Dimethylphenol	ND	960
51-28-5	2,4-Dinitrophenol	ND	960
121-14-2	2,4-Dinitrotoluene	ND	960
606-20-2	2,6-Dinitrotoluene	ND	960
206-44-0	Fluoranthene	890	38



# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E710I54

Location: Franklin, MA

PL Sample No: 1 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 937071025-01

Date Collected: 10/25/2007

Matrix: Solid

Date Received: 10/26/2007

Percent Moisture: 13.9

Date Extracted: 10/31/07 By: KT

Sample Weight/Volume: 30.23 g

Date Analyzed: 11/01/07 By: JD

Dilution Factor: 5

Method: 8270C

Extract Volume: 1

QC Batch#: 57560

Lab Data File: L20636.D

Units: ug/kg

CAS No.	Parameter	Result	DL
86-73-7	Fluorene	ND	38
118-74-1	Hexachlorobenzene	ND	960
87-68-3	Hexachlorobutadiene	ND	960
77-47-4	Hexachlorocyclopentadiene	ND	960
67-72-1	Hexachloroethane	ND	960
193-39-5	Indeno[1,2,3-cd]pyrene	110	38
78-59-1	Isophorone	ND	960
534-52-1	2-Methyl-4,6-dinitrophenol	ND	960
91-57-6	2-Methylnaphthalene	ND	960
95-48-7	2-Methylphenol	ND	960
	3- & 4-Methylphenols	ND	960
91-20-3	Naphthalene	ND	38
88-74-4	2-Nitroaniline	ND	1900
99-09-2	3-Nitroaniline	ND	1900
100-01-6	4-Nitroaniline	ND	1900
98-95-3	Nitrobenzene	ND	960
88-75-5	2-Nitrophenol	ND	960
100-02-1	4-Nitrophenol	ND	960
621-64-7	N-Nitrosodi-n-propylamine	ND	960
62-75-9	N-Nitrosodimethylamine	ND	960
86-30-6	N-Nitrosodiphenylamine	ND	960
87-86-5	Pentachlorophenol	ND	960
85-01-8	Phenanthrene	ND	38
108-95-2	Phenol	ND	960
129-00-0	Pyrene	740	38
120-82-1	1,2,4-Trichlorobenzene	ND	960
95-95-4	2,4,5-Trichlorophenol	ND	960
88-06-2	2,4,6-Trichlorophenol	ND	960

Surrogate	Recovery	Limits
2,4,6-Tribromophenol	64%	30%-130%
2-Fluorobiphenyl	49%	30%-130%
2-Fluorophenol	40%	30%-130%
4-Terphenyl-d14	79%	30%-130%
Nitrobenzene-d5	37%	30%-130%
Phenol-d6	42%	30%-130%

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E710I54

Location: Franklin, MA

PL Sample No: 2

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 937071025-02

Date Collected: 10/25/2007

Matrix: Solid

Date Received: 10/26/2007

Percent Moisture: 17.6

Date Extracted: 10/31/07 By: KT

Sample Weight/Volume: 30.59 g

Date Analyzed: 11/01/07 By: JD

Dilution Factor: 5

Method: 8270C

Extract Volume: 1

QC Batch#: 57560

Lab Data File: L20637.D

Units: ug/kg

CAS No.	Parameter	Result	DL
103-33-3	Azobenzene	ND	990
83-32-9	Acenaphthene	ND	40
208-96-8	Acenaphthylene	160	40
62-53-3	Aniline	ND	2000
120-12-7	Anthracene	280	40
92-52-4	Biphenyl	ND	990
56-55-3	Benzo[a]anthracene	ND	40
50-32-8	Benzo[a]pyrene	770	40
205-99-2	Benzo[b]fluoranthene	690	40
191-24-2	Benzo[g,h,i]perylene	ND	40
207-08-9	Benzo[k]fluoranthene	1000	40
65-85-0	Benzoic acid	ND	5000
100-51-6	Benzyl alcohol	ND	2000
85-68-7	Benzyl butyl phthalate	ND	990
111-91-1	Bis(2-chloroethoxy)methane	ND	990
111-44-4	Bis(2-chloroethyl)ether	ND	990
108-60-1	Bis(2-chloroisopropyl)ether	ND	2000
117-81-7	Bis(2-ethylhexyl)phthalate	ND	990
101-55-3	4-Bromophenyl phenyl ether	ND	990
59-50-7	4-Chloro-3-methylphenol	ND	990
106-47-8	4-Chloroaniline	ND	2000
91-58-7	2-Chloronaphthalene	ND	990
95-57-8	2-Chlorophenol	ND	990
7005-72-3	4-Chlorophenyl phenyl ether	ND	990
218-01-9	Chrysene	1100	40
53-70-3	Dibenz[a,h]anthracene	100	40
84-74-2	Di-n-butyl phthalate	ND	990
117-84-0	Di-n-octyl phthalate	ND	990
132-64-9	Dibenzofuran	ND	2000
95-50-1	1,2-Dichlorobenzene	ND	990
541-73-1	1,3-Dichlorobenzene	ND	990
106-46-7	1,4-Dichlorobenzene	ND	990
91-94-1	3,3-Dichlorobenzidine	ND	990
120-83-2	2,4-Dichlorophenol	ND	990
84-66-2	Diethyl phthalate	ND	990
131-11-3	Dimethyl phthalate	ND	990
105-67-9	2,4-Dimethylphenol	ND	990
51-28-5	2,4-Dinitrophenol	ND	990
121-14-2	2,4-Dinitrotoluene	ND	990
606-20-2	2,6-Dinitrotoluene	ND	990
206-44-0	Fluoranthene	2500	40

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E710I54

Location: Franklin, MA

PL Sample No: 2 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 937071025-02

Date Collected: 10/25/2007

Matrix: Solid

Date Received: 10/26/2007

Percent Moisture: 17.6

Date Extracted: 10/31/07 By: KT

Sample Weight/Volume: 30.59 g

Date Analyzed: 11/01/07 By: JD

Dilution Factor: 5

Method: 8270C

Extract Volume: 1

QC Batch#: 57560

Lab Data File: L20637.D

Units: ug/kg

CAS No.	Parameter	Result	DL
86-73-7	Fluorene	81	40
118-74-1	Hexachlorobenzene	ND	990
87-68-3	Hexachlorobutadiene	ND	990
77-47-4	Hexachlorocyclopentadiene	ND	990
67-72-1	Hexachloroethane	ND	990
193-39-5	Indeno[1,2,3-cd]pyrene	240	40
78-59-1	Isophorone	ND	990
534-52-1	2-Methyl-4,6-dinitrophenol	ND	990
91-57-6	2-Methylnaphthalene	ND	990
95-48-7	2-Methylphenol	ND	990
	3- & 4-Methylphenols	ND	990
91-20-3	Naphthalene	ND	40
88-74-4	2-Nitroaniline	ND	2000
99-09-2	3-Nitroaniline	ND	2000
100-01-6	4-Nitroaniline	ND	2000
98-95-3	Nitrobenzene	ND	990
88-75-5	2-Nitrophenol	ND	990
100-02-1	4-Nitrophenol	ND	990
621-64-7	N-Nitrosodi-n-propylamine	ND	990
62-75-9	N-Nitrosodimethylamine	ND	990
86-30-6	N-Nitrosodiphenylamine	ND	990
87-86-5	Pentachlorophenol	ND	990
85-01-8	Phenanthrene	1300	40
108-95-2	Phenol	ND	990
129-00-0	Pyrene	2100	40
120-82-1	1,2,4-Trichlorobenzene	ND	990
95-95-4	2,4,5-Trichlorophenol	ND	990
88-06-2	2,4,6-Trichlorophenol	ND	990

Surrogate	Recovery	Limits
2,4,6-Tribromophenol	68%	30%-130%
2-Fluorobiphenyl	61%	30%-130%
2-Fluorophenol	50%	30%-130%
4-Terphenyl-d14	94%	30%-130%
Nitrobenzene-d5	50%	30%-130%
Phenol-d6	52%	30%-130%

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E710I54

Location: Franklin, MA

PL Sample No: 3

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 937071025-03

Date Collected: 10/25/2007

Matrix: Solid

Date Received: 10/26/2007

Percent Moisture: 27.8

Date Extracted: 10/31/07 By: KT

Sample Weight/Volume: 30.29 g

Date Analyzed: 11/01/07 By: JD

Dilution Factor: 5

Method: 8270C

Extract Volume: 1

QC Batch#: 57560

Lab Data File: L20638.D

Units: ug/kg

CAS No.	Parameter	Result	DL
103-33-3	Azobenzene	ND	1100
83-32-9	Acenaphthene	ND	46
208-96-8	Acenaphthylene	170	46
62-53-3	Aniline	ND	2300
120-12-7	Anthracene	98	46
92-52-4	Biphenyl	ND	1100
56-55-3	Benzo[a]anthracene	920	46
50-32-8	Benzo[a]pyrene	860	46
205-99-2	Benzo[b]fluoranthene	1200	46
191-24-2	Benzo[g,h,i]perylene	ND	46
207-08-9	Benzo[k]fluoranthene	990	46
65-85-0	Benzoic acid	ND	5700
100-51-6	Benzyl alcohol	ND	2300
85-68-7	Benzyl butyl phthalate	ND	1100
111-91-1	Bis(2-chloroethoxy)methane	ND	1100
111-44-4	Bis(2-chloroethyl)ether	ND	1100
108-60-1	Bis(2-chloroisopropyl)ether	ND	2300
117-81-7	Bis(2-ethylhexyl)phthalate	ND	1100
101-55-3	4-Bromophenyl phenyl ether	ND	1100
59-50-7	4-Chloro-3-methylphenol	ND	1100
106-47-8	4-Chloroaniline	ND	2300
91-58-7	2-Chloronaphthalene	ND	1100
95-57-8	2-Chlorophenol	ND	1100
7005-72-3	4-Chlorophenyl phenyl ether	ND	1100
218-01-9	Chrysene	1200	46
53-70-3	Dibenz[a,h]anthracene	160	46
84-74-2	Di-n-butyl phthalate	ND	1100
117-84-0	Di-n-octyl phthalate	ND	1100
132-64-9	Dibenzofuran	ND	2300
95-50-1	1,2-Dichlorobenzene	ND	1100
541-73-1	1,3-Dichlorobenzene	ND	1100
106-46-7	1,4-Dichlorobenzene	ND	1100
91-94-1	3,3-Dichlorobenzidine	ND	1100
120-83-2	2,4-Dichlorophenol	ND	1100
84-66-2	Diethyl phthalate	ND	1100
131-11-3	Dimethyl phthalate	ND	1100
105-67-9	2,4-Dimethylphenol	ND	1100
51-28-5	2,4-Dinitrophenol	ND	1100
121-14-2	2,4-Dinitrotoluene	ND	1100
606-20-2	2,6-Dinitrotoluene	ND	1100
206-44-0	Fluoranthene	2000	46

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E710I54

Location: Franklin, MA

PL Sample No: 3 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 937071025-03

Date Collected: 10/25/2007

Matrix: Solid

Date Received: 10/26/2007

Percent Moisture: 27.8

Date Extracted: 10/31/07 By: KT

Sample Weight/Volume: 30.29 g

Date Analyzed: 11/01/07 By: JD

Dilution Factor: 5

Method: 8270C

Extract Volume: 1

QC Batch#: 57560

Lab Data File: L20638.D

Units: ug/kg

CAS No.	Parameter	Result	DL
86-73-7	Fluorene	ND	46
118-74-1	Hexachlorobenzene	ND	1100
87-68-3	Hexachlorobutadiene	ND	1100
77-47-4	Hexachlorocyclopentadiene	ND	1100
67-72-1	Hexachloroethane	ND	1100
193-39-5	Indeno[1,2,3-cd]pyrene	310	46
78-59-1	Isophorone	ND	1100
534-52-1	2-Methyl-4,6-dinitrophenol	ND	1100
91-57-6	2-Methylnaphthalene	ND	1100
95-48-7	2-Methylphenol	ND	1100
	3- & 4-Methylphenols	ND	1100
91-20-3	Naphthalene	ND	46
88-74-4	2-Nitroaniline	ND	2300
99-09-2	3-Nitroaniline	ND	2300
100-01-6	4-Nitroaniline	ND	2300
98-95-3	Nitrobenzene	ND	1100
88-75-5	2-Nitrophenol	ND	1100
100-02-1	4-Nitrophenol	ND	1100
621-64-7	N-Nitrosodi-n-propylamine	ND	1100
62-75-9	N-Nitrosodimethylamine	ND	1100
86-30-6	N-Nitrosodiphenylamine	ND	1100
87-86-5	Pentachlorophenol	ND	1100
85-01-8	Phenanthrene	ND	46
108-95-2	Phenol	ND	1100
129-00-0	Pyrene	2000	46
120-82-1	1,2,4-Trichlorobenzene	ND	1100
95-95-4	2,4,5-Trichlorophenol	ND	1100
88-06-2	2,4,6-Trichlorophenol	ND	1100

Surrogate	Recovery	Limits
2,4,6-Tribromophenol	65%	30%-130%
2-Fluorobiphenyl	76%	30%-130%
2-Fluorophenol	66%	30%-130%
4-Terphenyl-d14	99%	30%-130%
Nitrobenzene-d5	58%	30%-130%
Phenol-d6	68%	30%-130%

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E710I54

Location: Franklin, MA

PL Sample No: 4

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 937071025-04

Date Collected: 10/25/2007

Matrix: Solid

Date Received: 10/26/2007

Percent Moisture: 17.0

Date Extracted: 10/31/07 By: KT

Sample Weight/Volume: 30.13 g

Date Analyzed: 11/01/07 By: JD

Dilution Factor: 5

Method: 8270C

Extract Volume: 1

QC Batch#: 57560

Lab Data File: L20639.D

Units: ug/kg

CAS No.	Parameter	Result	DL
103-33-3	Azobenzene	ND	1000
83-32-9	Acenaphthene	ND	40
208-96-8	Acenaphthylene	76	40
62-53-3	Aniline	ND	2000
120-12-7	Anthracene	58	40
92-52-4	Biphenyl	ND	1000
56-55-3	Benzo[a]anthracene	400	40
50-32-8	Benzo[a]pyrene	350	40
205-99-2	Benzo[b]fluoranthene	520	40
191-24-2	Benzo[g,h,i]perylene	ND	40
207-08-9	Benzo[k]fluoranthene	450	40
65-85-0	Benzoic acid	ND	5000
100-51-6	Benzyl alcohol	ND	2000
85-68-7	Benzyl butyl phthalate	ND	1000
111-91-1	Bis(2-chloroethoxy)methane	ND	1000
111-44-4	Bis(2-chloroethyl)ether	ND	1000
108-60-1	Bis(2-chloroisopropyl)ether	ND	2000
117-81-7	Bis(2-ethylhexyl)phthalate	ND	1000
101-55-3	4-Bromophenyl phenyl ether	ND	1000
59-50-7	4-Chloro-3-methylphenol	ND	1000
106-47-8	4-Chloroaniline	ND	2000
91-58-7	2-Chloronaphthalene	ND	1000
95-57-8	2-Chlorophenol	ND	1000
7005-72-3	4-Chlorophenyl phenyl ether	ND	1000
218-01-9	Chrysene	500	40
53-70-3	Dibenz[a,h]anthracene	ND	40
84-74-2	Di-n-butyl phthalate	ND	1000
117-84-0	Di-n-octyl phthalate	ND	1000
132-64-9	Dibenzofuran	ND	2000
95-50-1	1,2-Dichlorobenzene	ND	1000
541-73-1	1,3-Dichlorobenzene	ND	1000
106-46-7	1,4-Dichlorobenzene	ND	1000
91-94-1	3,3-Dichlorobenzidine	ND	1000
120-83-2	2,4-Dichlorophenol	ND	1000
84-66-2	Diethyl phthalate	ND	1000
131-11-3	Dimethyl phthalate	ND	1000
105-67-9	2,4-Dimethylphenol	ND	1000
51-28-5	2,4-Dinitrophenol	ND	1000
121-14-2	2,4-Dinitrotoluene	ND	1000
606-20-2	2,6-Dinitrotoluene	ND	1000
206-44-0	Fluoranthene	810	40

# SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E710I54

Location: Franklin, MA

PL Sample No: 4 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 937071025-04

Date Collected: 10/25/2007

Matrix: Solid

Date Received: 10/26/2007

Percent Moisture: 17.0

Date Extracted: 10/31/07 By: KT

Sample Weight/Volume: 30.13 g

Date Analyzed: 11/01/07 By: JD

Dilution Factor: 5

Method: 8270C

Extract Volume: 1

QC Batch#: 57560

Lab Data File: L20639.D

Units: ug/kg

CAS No.	Parameter	Result	DL
86-73-7	Fluorene	ND	40
118-74-1	Hexachlorobenzene	ND	1000
87-68-3	Hexachlorobutadiene	ND	1000
77-47-4	Hexachlorocyclopentadiene	ND	1000
67-72-1	Hexachloroethane	ND	1000
193-39-5	Indeno[1,2,3-cd]pyrene	130	40
78-59-1	Isophorone	ND	1000
534-52-1	2-Methyl-4,6-dinitrophenol	ND	1000
91-57-6	2-Methylnaphthalene	ND	1000
95-48-7	2-Methylphenol	ND	1000
	3- & 4-Methylphenols	ND	1000
91-20-3	Naphthalene	ND	40
88-74-4	2-Nitroaniline	ND	2000
99-09-2	3-Nitroaniline	ND	2000
100-01-6	4-Nitroaniline	ND	2000
98-95-3	Nitrobenzene	ND	1000
88-75-5	2-Nitrophenol	ND	1000
100-02-1	4-Nitrophenol	ND	1000
621-64-7	N-Nitrosodi-n-propylamine	ND	1000
62-75-9	N-Nitrosodimethylamine	ND	1000
86-30-6	N-Nitrosodiphenylamine	ND	1000
87-86-5	Pentachlorophenol	ND	1000
85-01-8	Phenanthrene	ND	40
108-95-2	Phenol	ND	1000
129-00-0	Pyrene	950	40
120-82-1	1,2,4-Trichlorobenzene	ND	1000
95-95-4	2,4,5-Trichlorophenol	ND	1000
88-06-2	2,4,6-Trichlorophenol	ND	1000

Surrogate	Recovery	Limits
2,4,6-Tribromophenol	68%	30%-130%
2-Fluorobiphenyl	75%	30%-130%
2-Fluorophenol	66%	30%-130%
4-Terphenyl-d14	106%	30%-130%
Nitrobenzene-d5	63%	30%-130%
Phenol-d6	67%	30%-130%

FORM 3  
Soil 8270C Lab Control Sample

Lab Name: Premier Laboratory, LLC    Date Analyzed: 11/01/07

Project No.: E710I54

Project: 20050458.B10/Nu-Style Phase

Sample No.: LCS1031S-1

Location: Franklin, MA

Lab File ID: L20632.D

Compound	Spike Added ( )	Sample Concentration ( )	% Rec#	QC Limits Rec
1,2,4-Trichlorobenzene	666.7	444.3	67	30-130
1,2-Dichlorobenzene	666.7	384.9	58	30-130
1,3-Dichlorobenzene	666.7	357.6	54	30-130
1,4-Dichlorobenzene	666.7	349.2	52	30-130
2,4,5-Trichlorophenol	666.7	490.3	74	30-130
2,4,6-Trichlorophenol	666.7	499.7	75	30-130
2,4-Dichlorophenol	666.7	467.2	70	30-130
2,4-Dimethylphenol	666.7	375.9	56	30-130
2,4-Dinitrophenol	666.7	116.3	17*	30-130
2,4-Dinitrotoluene	666.7	642.3	96	30-130
2,6-Dinitrotoluene	666.7	616.5	92	30-130
2-Chloronaphthalene	666.7	523.4	78	30-130
2-Chlorophenol	666.7	443.5	66	30-130
2-Methylnaphthalene	666.7	487.9	73	30-130
2-Methylphenol	666.7	461.3	69	30-130
2-Nitroaniline	666.7	573.8	86	30-130
2-Nitrophenol	666.7	392.0	59	30-130
3- & 4-Methylphenols	666.7	466.7	70	30-130
3-Nitroaniline	666.7	660.7	99	30-130
4-Chloroaniline	666.7	481.6	72	30-130
4-Chlorophenyl phenyl...	666.7	550.2	82	30-130
4-Nitroaniline	666.7	657.8	99	30-130
4-Nitrophenol	666.7	716.4	107	30-130
Acenaphthene	666.7	537.9	81	30-130
Acenaphthylene	666.7	556.6	83	30-130
Aniline	666.7	422.0	63	30-130
Anthracene	666.7	706.8	106	30-130
Azobenzene	666.7	675.8	101	30-130

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits



FORM 3  
Soil 8270C Lab Control Sample

Lab Name: Premier Laboratory, LLC    Date Analyzed: 11/01/07

Project No.: E710I54

Project: 20050458.B10/Nu-Style Phase

Sample No.: LCS1031S-1

Location: Franklin, MA

Lab File ID: L20632.D (continued)

Compound	Spike Added ( )	Sample Concentration ( )	% Rec#	QC Limits Rec
Benzo[a]pyrene	666.7	635.5	95	30-130
Benzo[b]fluoranthene	666.7	669.0	100	30-130
Benzo[g,h,i]perylene	666.7	666.0	100	30-130
Benzo[k]fluoranthene	666.7	638.3	96	30-130
Benzyl alcohol	666.7	455.9	68	30-130
Benzyl butyl phthalate	666.7	742.4	111	30-130
Bis(2-chloroethoxy)me...	666.7	489.2	73	30-130
Bis(2-chloroethyl)ether	666.7	461.1	69	30-130
Bis(2-chloroisopropyl...	666.7	394.6	59	30-130
Bis(2-ethylhexyl)phth...	666.7	749.2	112	30-130
Carbazole	666.7	867.2	130	30-130
Chrysene	666.7	704.8	106	30-130
Di-n-butyl phthalate	666.7	698.5	105	30-130
Di-n-octyl phthalate	666.7	656.8	98	30-130
Dibenzofuran	666.7	569.2	85	30-130
Dibenz[a,h]anthracene	666.7	611.0	92	30-130
Diethyl phthalate	666.7	637.3	96	30-130
Dimethyl phthalate	666.7	574.4	86	30-130
Fluoranthene	666.7	772.5	116	30-130
Fluorene	666.7	601.5	90	30-130
Hexachlorobenzene	666.7	652.6	98	30-130
Hexachlorobutadiene	666.7	458.7	69	30-130
Hexachlorocyclopentad...	666.7	551.7	83	30-130
Hexachloroethane	666.7	364.9	55	30-130
Indeno[1,2,3-cd]pyrene	666.7	614.0	92	30-130
Isophorone	666.7	497.3	74	30-130
N-Nitrosodi-n-propyla...	666.7	460.5	69	30-130
N-Nitrosodimethylamine	666.7	340.5	51	30-130

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Soil 8270C Lab Control Sample

Lab Name: Premier Laboratory, LLC    Date Analyzed: 11/01/07

Project No.: E710I54

Project: 20050458.B10/Nu-Style Phase

Sample No.: LCS1031S-1

Location: Franklin, MA

Lab File ID: L20632.D (continued)

Compound	Spike Added ( )	Sample Concentration ( )	% Rec#	QC Limits Rec
N-Nitrosodiphenylamine	666.7	758.6	114	30-130
Naphthalene	666.7	486.8	73	30-130
Nitrobenzene	666.7	459.6	69	30-130
Pentachlorophenol	666.7	544.8	82	30-130
Phenanthrene	666.7	747.1	112	30-130
Phenol	666.7	468.6	70	30-130
Pyrene	666.7	706.6	106	30-130

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 3  
Soil 8270C Lab Control Sample Duplicate

Lab Name: Premier Laboratory, LLC Date Analyzed: 11/01/07

Project No.: E710I54

Project: 20050458.B10/Nu-Style Phase

Sample No.: LCS1031S-1

Location: Franklin, MA

Lab File ID: L20633.D

Compound	Spike Added ( )	Sample Concentration ( )	QC Limits			
			% Rec#	RPD#	RPD	Rec
1,2,4-Trichlorobenzene	666.7	467.4	70	4.38	30	30-130
1,2-Dichlorobenzene	666.7	413.6	62	6.67	30	30-130
1,3-Dichlorobenzene	666.7	392.5	59	8.85	30	30-130
1,4-Dichlorobenzene	666.7	395.2	59	12.6	30	30-130
2,4,5-Trichlorophenol	666.7	574.8	86	15.0	30	30-130
2,4,6-Trichlorophenol	666.7	550.0	82	8.92	30	30-130
2,4-Dichlorophenol	666.7	465.9	70	0	30	30-130
2,4-Dimethylphenol	666.7	361.2	54	3.64	30	30-130
2,4-Dinitrophenol	666.7	114.2	17*	0	30	30-130
2,4-Dinitrotoluene	666.7	686.0	103	7.04	30	30-130
2,6-Dinitrotoluene	666.7	647.6	97	5.29	30	30-130
2-Chloronaphthalene	666.7	551.5	83	6.21	30	30-130
2-Chlorophenol	666.7	460.7	69	4.44	30	30-130
2-Methylnaphthalene	666.7	518.4	78	6.62	30	30-130
2-Methylphenol	666.7	494.9	74	6.99	30	30-130
2-Nitroaniline	666.7	616.5	92	6.74	30	30-130
2-Nitrophenol	666.7	424.7	64	8.13	30	30-130
3- & 4-Methylphenols	666.7	510.8	77	9.52	30	30-130
3-Nitroaniline	666.7	673.3	101	2.00	30	30-130
4-Chloroaniline	666.7	492.2	74	2.74	30	30-130
4-Chlorophenyl phenyl...	666.7	561.0	84	2.41	30	30-130
4-Nitroaniline	666.7	694.6	104	4.93	30	30-130
4-Nitrophenol	666.7	584.0	88	19.5	30	30-130
Acenaphthene	666.7	568.2	85	4.82	30	30-130
Acenaphthylene	666.7	595.4	89	6.98	30	30-130
Aniline	666.7	471.2	71	11.9	30	30-130
Anthracene	666.7	754.5	113	6.39	30	30-130
Azobenzene	666.7	733.8	110	8.53	30	30-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

FORM 3  
Soil 8270C Lab Control Sample Duplicate

Lab Name: Premier Laboratory, LLC    Date Analyzed: 11/01/07

Project No.: E710I54

Project: 20050458.B10/Nu-Style Phase

Sample No.: LCS1031S-1

Location: Franklin, MA

Lab File ID: L20633.D (continued)

Compound	Spike Added ( )	Sample Concentration ( )	% Rec#	RPD#	QC Limits	
					RPD	Rec
Benzo[a]pyrene	666.7	687.3	103	8.08	30	30-130
Benzo[b]fluoranthene	666.7	699.8	105	4.88	30	30-130
Benzo[g,h,i]perylene	666.7	726.5	109	8.61	30	30-130
Benzo[k]fluoranthene	666.7	681.7	102	6.06	30	30-130
Benzyl alcohol	666.7	491.5	74	8.45	30	30-130
Benzyl butyl phthalate	666.7	787.9	118	6.11	30	30-130
Bis(2-chloroethoxy)me...	666.7	502.0	75	2.70	30	30-130
Bis(2-chloroethyl)ether	666.7	452.8	68	1.46	30	30-130
Bis(2-chloroisopropyl)...	666.7	428.7	64	8.13	30	30-130
Bis(2-ethylhexyl)phth...	666.7	801.6	120	6.90	30	30-130
Carbazole	666.7	921.2	138*	5.97	30	30-130
Chrysene	666.7	762.8	114	7.27	30	30-130
Di-n-butyl phthalate	666.7	735.6	110	4.65	30	30-130
Di-n-octyl phthalate	666.7	688.4	103	4.98	30	30-130
Dibenzofuran	666.7	617.6	93	8.99	30	30-130
Dibenz[a,h]anthracene	666.7	644.4	97	5.29	30	30-130
Diethyl phthalate	666.7	668.1	100	4.08	30	30-130
Dimethyl phthalate	666.7	612.8	92	6.74	30	30-130
Fluoranthene	666.7	811.7	122	5.04	30	30-130
Fluorene	666.7	630.0	94	4.35	30	30-130
Hexachlorobenzene	666.7	691.4	104	5.94	30	30-130
Hexachlorobutadiene	666.7	486.2	73	5.63	30	30-130
Hexachlorocyclopentad...	666.7	563.0	84	1.20	30	30-130
Hexachloroethane	666.7	382.2	57	3.57	30	30-130
Indeno[1,2,3-cd]pyrene	666.7	646.4	97	5.29	30	30-130
Isophorone	666.7	531.3	80	7.79	30	30-130
N-Nitrosodi-n-propyla...	666.7	492.4	74	6.99	30	30-130
N-Nitrosodimethylamine	666.7	366.3	55	7.55	30	30-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

FORM 3  
Soil 8270C Lab Control Sample Duplicate

Lab Name: Premier Laboratory, LLC    Date Analyzed: 11/01/07

Project No.: E710I54

Project: 20050458.B10/Nu-Style Phase

Sample No.: LCS1031S-1

Location: Franklin, MA

Lab File ID: L20633.D (continued)

Compound	Spike Added ( )	Sample Concentration ( )	% Rec#	RPD#	QC Limits	
					RPD	Rec
N-Nitrosodiphenylamine	666.7	814.0	122	6.78	30	30-130
Naphthalene	666.7	511.9	77	5.33	30	30-130
Nitrobenzene	666.7	470.9	71	2.86	30	30-130
Pentachlorophenol	666.7	615.2	92	11.5	30	30-130
Phenanthrene	666.7	800.8	120	6.90	30	30-130
Phenol	666.7	461.2	69	1.44	30	30-130
Pyrene	666.7	759.8	114	7.27	30	30-130

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

FORM 4  
8270C Method Blank Summary

Project No.: E710I54

Project: 20050458.B10/Nu-Style Phase

Lab File ID: L20634.D

Lab Sample ID: S1031BS-1

Matrix: Soil

Date Analyzed: 11/01/07

Instrument ID: MS10

Date Extracted:

Time Analyzed: 1406

This Method Blank Applies To The Following Samples, MD and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E710I54-1	937071025-01	L20636.D	11/01/2007
2	E710I54-2	937071025-02	L20637.D	11/01/2007
3	E710I54-3	937071025-03	L20638.D	11/01/2007
4	E710I54-4	937071025-04	L20639.D	11/01/2007
5	LCS1031S-1	LCS1031S-1	L20632.D	11/01/2007
6	LCSD1031S-1	LCSD1031S-1	L20633.D	11/01/2007
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PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS

PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\*

	YES	NO	COMMENTS
1. SDG Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Traffic Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Volatiles Data			
a. Sample Data			
Target Compound List (TCL) Results	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Reconstructed total ion chromatograms (RIC) for each Sample	<input type="checkbox"/>	<input type="checkbox"/>	N/A
For each sample:			
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Percent solids calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Standards Data (all instruments)			
Initial Calibration Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
RICs and Quan Reports for all Standards	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	N/A
RICs and Quan Reports for all Standards	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Internal Standard Area Summary	<input type="checkbox"/>	<input type="checkbox"/>	N/A
c. Raw QC Data			
Blank Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Matrix Spike Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Matrix Spike Duplicate Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
4. Semivolatiles Data			
a. QC Summary			
Surrogate Percent Recovery Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2 compounds out in LCS less than 20%, meets MCP requirements
MS/MSD Summary	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Method Blank Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	



PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS  
(Continued)

PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\*

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
b. Sample Data			
TCL Results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tentatively Identified Compounds	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Reconstructed total ion chromatograms (RIC) for each Sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For each sample:			
Raw spectra and background-subtracted mass spectra of TCL compounds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of TICs with 3 best library matches	<input type="checkbox"/>	<input type="checkbox"/>	N/A
GPC chromatograms (if GPC performed)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
c. Standards Data (all instruments)			
Initial Calibration Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal Standard Areas Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal Standard Areas Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
d. Raw QC Data			
Decafluorotriphenylphosphine (DFTPP)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Blank Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Matrix Spike Duplicate Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
5. Miscellaneous Data			
Original preparation and analysis forms or copies of preparation and analysis log book pages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal sample & sample extract transfer chain-of-custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Screening Records	<input type="checkbox"/>	<input type="checkbox"/>	N/A
All instrument output, including strip charts from screening activities (describe or list)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	





PHASE II SITE ASSESSMENT  
 FORMER NU-STYLE COMPANY, INC. FACILITY  
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
 ORGANIC COMPOUNDS  
 (Continued)

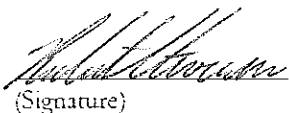
PERFORMED AND, WHERE APPLICABLE,  
 WITHIN ACCEPTABLE LIMITS? \*\*

	YES	NO	COMMENTS
6. Chain-of-Custody Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sample Log-in Sheet (Lab & DCI)	<input type="checkbox"/>	<input type="checkbox"/>	
Miscellaneous Shipping/Receiving Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	
<hr/>			
7. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	
<hr/>			
8. Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	
<hr/>			
<hr/>			
9. Comments:			
<hr/>			
<hr/>			
<hr/>			

\*\* See laboratory Quality Assurance Plan for limits.

Completed by:  Gregory Plante Organics  
 (Lab) (Signature) (Printed Name/Title) Manager  
 Date 11/5/07

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by:  Robert Stevenson Lab Director  
 (Lab) (Signature) (Printed Name/Title)  
 Date 11-5-07



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- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203

- ☒ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601
- ☐ Other \_\_\_\_\_

**E710154**

# CHAIN-OF-CUSTODY RECORD

14715

Turnaround

- ☐ 1 Day\* ☐ 3 Days\* ☐ Other \_\_\_\_\_ (days)
- ☐ 2 Days\* ☒ Standard (\_\_\_\_ days) \*Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

*Nu-Style Phase II*

*Franklin, MA*

*20050458-B10*

*Premier*

REPORT TO:

*David Foss, dfoss@fandO.com*

Analysis Request

INVOICE TO:

P.O. NO.:

*84120050458-B10*

Sampler's Signature:

*[Signature]*

Date: *10/25/07*

Source Codes:

MW=Monitoring Well

PW=Potable Water

S=Soil

W=Waste

SW=Surface Water

T=Treatment Facility

B=Sediment

A=Air

X=Other \_\_\_\_\_

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
1	✓	✓	✓		<i>937071025-01</i>	<i>B</i>	<i>10/25/07</i>	<i>1430</i>
2	✓				<i>-02</i>	<i>↓</i>	<i>↓</i>	<i>1435</i>
3	✓				<i>-03</i>	<i>↓</i>	<i>↓</i>	<i>1440</i>
4	✓	✓	✓		<i>-04</i>	<i>↓</i>	<i>↓</i>	<i>1445</i>

<i>SVOCs by 8270</i>									
<i>Containers</i>									
<i>Soil VOA Vial                    </i>									
<i>Soil VOA Vial                    </i>									
<i>Glass Soil Container ( ) oz</i>									
<i>Glass Soil Container ( ) oz</i>									
<i>Water VOA Vial                    </i>									
<i>Glass Amber ( ) ml</i>									
<i>Plastic - As is                    </i>									
<i>Plastic - H<sub>2</sub>SO<sub>4</sub>                    </i>									
<i>Plastic - HNO<sub>3</sub>                    </i>									
<i>Plastic - NaOH                    </i>									
<i>Comments</i>									

Transfer Number	Relinquished By	Accepted By	Date	Time
1	<i>[Signature]</i>	<i>[Signature]</i>	<i>10/26/07</i>	<i>1600</i>
2	<i>[Signature]</i>	<i>[Signature]</i>	<i>10/26/07</i>	<i>0940</i>
3	<i>[Signature]</i>	<i>[Signature]</i>	<i>10/26/07</i>	<i>0942</i>
4	<i>[Signature]</i>	<i>[Signature]</i>	<i>10/26/07</i>	<i>1604</i>

Reporting and Detection Limit Requirements:

*MCP Data Enhancement Project - see attached table for RL's*

Additional Comments:

*4.4*

*Please complete attached QA/QC checklist*

*Cooled*



**Modified Tier II  
Data Validation Narrative  
and Certification**

**Project: 20050458B10, Former Nu-Style Company, Inc. Facility**

**Premier Laboratory Project Number:** E711143

**Date Samples Received at Laboratory:** 11/2/2007

**Date of Review:** 12/18/2007

Four soil samples, including a field duplicate, were collected from four soil borings over two days. Samples were submitted to Premier Laboratory in Dayville, Connecticut for analysis of volatile organic compounds (VOCs) by EPA Method 8260B, priority pollutant-13 metals plus barium by EPA Methods 6010B and 7471, and/or petroleum hydrocarbons by Massachusetts Extractable and Volatile Petroleum Hydrocarbon (EPH/VPH) methods of analysis. Analyses for individual samples were determined based upon constituents of concern in the area where the individual monitoring wells are located.

Dedicated sampling equipment was used; therefore, no equipment blank was indicated. An aqueous trip blank was also submitted. No VOCs were reported in the trip blank.

Results of primary and duplicate sample pairs were generally similar. The relative percent difference (RPD) calculated for several metals was greater than the 50% limit established by the QAPP for soil samples. Several RPD values were outside laboratory quality control limits in both initial total and fractionated extractions.

Surrogate recoveries were acceptable for all applicable analyses. With the exception of hexachlorobutadiene, reporting limits were low enough to compare to MADEP GW-2 and GW-3 criteria. The lowest achievable reporting limit for this compound is 0.5 µg/L.

I certify that the field and laboratory data associated with the above referenced project, to the best of my knowledge with the exceptions noted above, are compliant with the Quality Assurance Project Plan for the Former Nu-Style Company, Inc. Facility located in Franklin, Massachusetts dated September 2006.

Certified by:

  
Lynne P. Matteson  
QA/QC Officer



**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
MODIFIED TIER I COMPLETENESS CHECKLIST**

	<u>YES</u>	<u>NO</u>
<b>1. SAMPLING AND FIELD MEASUREMENTS:</b>		
Field measurement calibration records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Groundwater field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Soil sampling field measurements (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sediment sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Surface water sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Low-flow sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Documentation of field activities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample numbering and labeling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicate samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A
<b>2. LABORATORY MEASUREMENTS:</b>		
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Instrument blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Laboratory control samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicates samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Matrix spike/matrix spike duplicates	<input type="checkbox"/>	<input type="checkbox"/> N/A
Analysis type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Surrogate recoveries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A

TOTAL: 15 0

PERCENT COMPLETE: 100 %



## ANALYTICAL DATA REPORT

Report Number: E711070

Project: 20050458.B10/Nu-Style Phase II

prepared for:

Fuss & O'Neill  
275 Promenade Street  
Providence, RI 02908

Attn: David Foss

Received Date: 11/1/2007

Report Date: 12/11/2007

Premier Laboratory, LLC  
Authorized Signature



Certifications:  
CT (PH-0465), MA (M-CT008), ME (CT050), NH (2020), NJ (CT002), NY (11549), RI (RI246)



# Premier Laboratory, Inc

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Premier Laboratory, Inc

Project #: E711070

Project Location: Franklin, MA

MADEP RTN<sup>1</sup>:

This Form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]

1, 2

Sample Matrices: ☒ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other

### MCP SW-846

### Methods Used

8260B ☒ 8151A ☐ 8330 ☐ 6010B ☐ 7470A/1A ☐

8270C ☐ 8081A ☐ VPH ☐ 6020 ☐ 9014M<sup>2</sup> ☐

As specified in MADEP

Compendium of  
Analytical Methods.

(check all that apply)

8082 ☐

8021B ☐

EPH ☐

7000 S<sup>3</sup> ☐

7196A ☐

1 List Release Tracking Number (RTN), if known

2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method

3 S - SW-846 Methods 7000 Series List individual method and analyte.

### An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status

A Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set? ☒ Yes ☐ No<sup>1</sup>

B Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines? ☒ Yes ☐ No<sup>1</sup>

C Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 (a),(b),(c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? ☒ Yes ☐ No<sup>1</sup>

D **VPH and EPH Methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3? ☐ Yes ☐ No<sup>1</sup>

### A response to questions E and F below is required for "Presumptive Certainty" status

E Were all QC performance standards and recommendations for the specified methods achieved? ☒ Yes ☐ No<sup>1</sup>

F Were results for all analyte-list compounds/elements for the specified method(s) reported? ☒ Yes ☐ No<sup>1</sup>

<sup>1</sup>All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Robert Stevenson

Position: Laboratory Director

Printed Name: Robert Stevenson

Date: 12/11/2007



Report No: E711070  
Client: Fuss & O'Neill  
Project: 20050458.B10/Nu-Style Phase II

### **CASE NARRATIVE / METHOD CONFORMANCE SUMMARY**

Premier Laboratory, Inc received two samples from Fuss & O'Neill on 11/01/2007. The samples were analyzed from the following list of analyses:

Moisture, Percent

Volatiles by 8260B (MCP) in GW/SW  
8260B

**Variances:**

**SDG:**

None reported.

**Method:**

None reported.

**QA/QC:**

None reported.

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711070

Location: Franklin, MA

PL Sample No: 1

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071031-01

Date Collected: 10/31/2007

Matrix: Solid

Date Received: 11/1/2007

Percent Moisture: 9.3

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/05/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57581

Lab Data File: J32638.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	3.2
71-43-2	Benzene	ND	3.2
108-86-1	Bromobenzene	ND	3.2
74-97-5	Bromochloromethane	ND	3.2
75-27-4	Bromodichloromethane	ND	3.2
75-25-2	Bromoform	ND	3.2
74-83-9	Bromomethane	ND	3.2
78-93-3	2-Butanone (MEK)	ND	3.2
104-51-8	n-Butylbenzene	ND	3.2
135-98-8	sec-Butylbenzene	ND	3.2
98-06-6	tert-Butylbenzene	ND	3.2
75-15-0	Carbon disulfide	ND	3.2
56-23-5	Carbon tetrachloride	ND	3.2
108-90-7	Chlorobenzene	ND	3.2
75-00-3	Chloroethane	ND	3.2
67-66-3	Chloroform	ND	3.2
74-87-3	Chloromethane	ND	3.2
95-49-8	2-Chlorotoluene	ND	3.2
106-43-4	4-Chlorotoluene	ND	3.2
108-20-3	Di-isopropyl ether (DIPE)	ND	3.2
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	3.2
124-48-1	Dibromochloromethane	ND	3.2
106-93-4	1,2-Dibromoethane (EDB)	ND	3.2
74-95-3	Dibromomethane	ND	3.2
95-50-1	1,2-Dichlorobenzene	ND	3.2
541-73-1	1,3-Dichlorobenzene	ND	3.2
106-46-7	1,4-Dichlorobenzene	ND	3.2
75-71-8	Dichlorodifluoromethane	ND	3.2
75-34-3	1,1-Dichloroethane	ND	3.2
107-06-2	1,2-Dichloroethane	ND	3.2
75-35-4	1,1-Dichloroethene	ND	3.2
156-59-2	cis-1,2-Dichloroethene	ND	3.2
156-60-5	trans-1,2-Dichloroethene	ND	3.2
78-87-5	1,2-Dichloropropane	ND	3.2
142-28-9	1,3-Dichloropropane	ND	3.2
590-20-7	2,2-Dichloropropane	ND	3.2
563-58-6	1,1-Dichloropropene	ND	3.2
10061-01-5	cis-1,3-Dichloropropene	ND	3.2
10061-02-6	trans-1,3-Dichloropropene	ND	3.2
60-29-7	Diethyl ether	ND	3.2
123-91-1	1,4-Dioxane	ND	13



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711070

Location: Franklin, MA

PL Sample No: 1 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071031-01

Date Collected: 10/31/2007

Matrix: Solid

Date Received: 11/1/2007

Percent Moisture: 9.3

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/05/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57581

Lab Data File: J32638.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	3.2
100-41-4	Ethylbenzene	ND	3.2
87-68-3	Hexachlorobutadiene	ND	3.2
591-78-6	2-Hexanone	ND	3.2
98-82-8	Isopropylbenzene	ND	3.2
99-87-6	4-Isopropyltoluene	ND	3.2
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	3.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.2
75-09-2	Methylene chloride	ND	3.2
91-20-3	Naphthalene	ND	3.2
103-65-1	n-Propylbenzene	ND	3.2
100-42-5	Styrene	ND	3.2
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	3.2
109-99-9	Tetrahydrofuran	ND	3.2
96-18-4	1,2,3-Trichloropropane	ND	3.2
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.2
127-18-4	Tetrachloroethene (PCE)	6.4	3.2
108-88-3	Toluene	ND	3.2
87-61-6	1,2,3-Trichlorobenzene	ND	3.2
120-82-1	1,2,4-Trichlorobenzene	ND	3.2
71-55-6	1,1,1-Trichloroethane	ND	3.2
79-00-5	1,1,2-Trichloroethane	ND	3.2
79-01-6	Trichloroethene (TCE)	3.5	3.2
75-69-4	Trichlorofluoromethane	ND	3.2
95-63-6	1,2,4-Trimethylbenzene	ND	3.2
108-67-8	1,3,5-Trimethylbenzene	ND	3.2
75-01-4	Vinyl chloride	ND	3.2
95-47-6	o-Xylene	ND	3.2
108-38-3	m,p-Xylenes	ND	3.2

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	106%	85%-116%
Bromofluorobenzene	91%	63%-113%
Toluene-d8	90%	78%-128%

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711070

Location: Franklin, MA

PL Sample No: 2

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071031-02

Date Collected: 10/31/2007

Matrix: Aqueous

Date Received: 11/1/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/05/07 By: DDD

Dilution Factor: 50

Method: 8260B

Soil Extract Volume:

QC Batch#: 57581

Lab Data File: J32637.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	250
71-43-2	Benzene	ND	250
108-86-1	Bromobenzene	ND	250
74-97-5	Bromochloromethane	ND	250
75-27-4	Bromodichloromethane	ND	250
75-25-2	Bromoform	ND	250
74-83-9	Bromomethane	ND	100
78-93-3	2-Butanone (MEK)	ND	250
104-51-8	n-Butylbenzene	ND	250
135-98-8	sec-Butylbenzene	ND	250
98-06-6	tert-Butylbenzene	ND	250
75-15-0	Carbon disulfide	ND	250
56-23-5	Carbon tetrachloride	ND	250
108-90-7	Chlorobenzene	ND	250
75-00-3	Chloroethane	ND	250
67-66-3	Chloroform	ND	250
74-87-3	Chloromethane	ND	250
95-49-8	2-Chlorotoluene	ND	250
106-43-4	4-Chlorotoluene	ND	250
108-20-3	Di-isopropyl ether (DIPE)	ND	250
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	250
124-48-1	Dibromochloromethane	ND	250
106-93-4	1,2-Dibromoethane (EDB)	ND	25
74-95-3	Dibromomethane	ND	250
95-50-1	1,2-Dichlorobenzene	ND	250
541-73-1	1,3-Dichlorobenzene	ND	250
106-46-7	1,4-Dichlorobenzene	ND	250
75-71-8	Dichlorodifluoromethane	ND	250
75-34-3	1,1-Dichloroethane	ND	250
107-06-2	1,2-Dichloroethane	ND	250
75-35-4	1,1-Dichloroethene	ND	50
156-59-2	cis-1,2-Dichloroethene	ND	250
156-60-5	trans-1,2-Dichloroethene	ND	250
78-87-5	1,2-Dichloropropane	ND	250
142-28-9	1,3-Dichloropropane	ND	250
590-20-7	2,2-Dichloropropane	ND	250
563-58-6	1,1-Dichloropropene	ND	250
10061-01-5	cis-1,3-Dichloropropene	ND	25
10061-02-6	trans-1,3-Dichloropropene	ND	25
60-29-7	Diethyl ether	ND	250
123-91-1	1,4-Dioxane	ND	1000

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711070

Location: Franklin, MA

PL Sample No: 2 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071031-02

Date Collected: 10/31/2007

Matrix: Aqueous

Date Received: 11/1/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/05/07 By: DDD

Dilution Factor: 50

Method: 8260B

Soil Extract Volume:

QC Batch#: 57581

Lab Data File: J32637.D

Units: ug/L

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	250
100-41-4	Ethylbenzene	ND	250
87-68-3	Hexachlorobutadiene	ND	30
591-78-6	2-Hexanone	ND	250
98-82-8	Isopropylbenzene	ND	250
99-87-6	4-Isopropyltoluene	ND	250
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	250
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250
75-09-2	Methylene chloride	ND	250
91-20-3	Naphthalene	ND	250
103-65-1	n-Propylbenzene	ND	250
100-42-5	Styrene	ND	250
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	250
109-99-9	Tetrahydrofuran	ND	250
96-18-4	1,2,3-Trichloropropane	ND	250
630-20-6	1,1,1,2-Tetrachloroethane	ND	250
79-34-5	1,1,2,2-Tetrachloroethane	ND	100
127-18-4	Tetrachloroethene (PCE)	ND	250
108-88-3	Toluene	ND	250
87-61-6	1,2,3-Trichlorobenzene	ND	250
120-82-1	1,2,4-Trichlorobenzene	ND	250
71-55-6	1,1,1-Trichloroethane	ND	250
79-00-5	1,1,2-Trichloroethane	ND	250
79-01-6	Trichloroethene (TCE)	ND	250
75-69-4	Trichlorofluoromethane	ND	250
95-63-6	1,2,4-Trimethylbenzene	ND	250
108-67-8	1,3,5-Trimethylbenzene	ND	250
75-01-4	Vinyl chloride	ND	100
95-47-6	o-Xylene	ND	250
108-38-3	m,p-Xylenes	ND	250

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	105%	89%-113%
Bromofluorobenzene	90%	83%-107%
Toluene-d8	93%	88%-108%

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed: 11/05/07

Project No.: E711070

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1105

Location: Franklin, MA

Lab File ID: J32628.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
1,1,1,2-Tetrachloroet...	50.00	45.28	90	72-120
1,1,1-Trichloroethane	50.00	42.97	86	77-123
1,1,2,2-Tetrachloroet...	50.00	43.72	87	72-120
1,1,2-Trichloroethane	50.00	43.51	87	80-116
1,1-Dichloroethane	50.00	42.24	84	75-115
1,1-Dichloroethene	50.00	44.20	88	73-129
1,1-Dichloropropene	50.00	42.42	85	75-117
1,2,3-Trichlorobenzene	50.00	43.34	87	70-127
1,2,4-Trichlorobenzene	50.00	47.06	94	70-123
1,2,4-Trimethylbenzene	50.00	47.06	94	76-126
1,2-Dibromoethane (EDB)	50.00	44.08	88	80-114
1,2-Dichlorobenzene	50.00	49.32	99	76-121
1,2-Dichloroethane	50.00	43.54	87	75-115
1,2-Dichloropropane	50.00	43.33	87	71-130
1,3,5-Trimethylbenzene	50.00	45.99	92	76-122
1,3-Dichlorobenzene	50.00	48.99	98	79-120
1,3-Dichloropropane	50.00	43.33	87	82-118
1,4-Dichlorobenzene	50.00	49.20	98	77-116
1,4-Dioxane	50.00	55.46	111	70-119
2,2-Dichloropropane	50.00	43.48	87	71-125
2-Butanone (MEK)	50.00	40.25	80	70-128
4-Chlorotoluene	50.00	48.33	97	77-117
4-Isopropyltoluene	50.00	44.97	90	71-124
4-Methyl-2-pentanone ...	50.00	43.04	86	75-121
Acetone	50.00	40.07	80	70-118
Benzene	50.00	44.34	89	77-118
Bromobenzene	50.00	47.13	94	79-116
Bromochloromethane	50.00	44.69	89	79-122

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/05/07

Project No.: E711070

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1105

Location: Franklin, MA

Lab File ID: J32628.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
Bromodichloromethane	50.00	44.14	88	82-127
Bromoform	50.00	46.76	94	78-122
Bromomethane	50.00	45.12	90	70-130
Carbon disulfide	50.00	44.35	89	70-130
Carbon tetrachloride	50.00	48.72	97	77-125
Chlorobenzene	50.00	46.20	92	80-118
Chloroform	50.00	42.94	86	80-113
Chloromethane	50.00	46.15	92	70-130
cis-1,2-Dichloroethene	50.00	44.77	90	85-120
cis-1,3-Dichloropropene	50.00	42.17	84	79-116
Di-isopropyl ether (D...	50.00	40.96	82	78-121
Dibromochloromethane	50.00	41.85	84	79-122
Dibromomethane	50.00	45.34	91	78-120
Ethyl tertiary-butyl ...	50.00	41.23	82	81-122
Ethylbenzene	50.00	49.99	100	84-123
Hexachlorobutadiene	50.00	50.08	100	70-121
Isopropylbenzene	50.00	45.45	91	78-120
m,p-Xylenes	100.0	105.2	105	75-129
Methyl tert-butyl eth...	50.00	39.68	79	70-127
Methylene chloride	50.00	40.39	81	72-128
n-Butylbenzene	50.00	44.16	88	70-124
n-Propylbenzene	50.00	47.87	96	80-127
Naphthalene	50.00	43.09	86	70-126
o-Xylene	50.00	48.68	97	78-118
sec-Butylbenzene	50.00	45.08	90	78-118
Styrene	50.00	50.12	100	83-124
tert-Butylbenzene	50.00	46.10	92	76-118
Tertiary-amyl methyl ...	50.00	42.94	86	81-123

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/05/07

Project No.: E711070

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1105

Location: Franklin, MA

Lab File ID: J32628.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
Tetrachloroethene (PCE)	50.00	43.97	88	77-122
Toluene	50.00	44.11	88	78-120
trans-1,2-Dichloroethene	50.00	43.65	87	80-120
trans-1,3-Dichloropro...	50.00	43.41	87	71-111
Trichloroethene (TCE)	50.00	45.14	90	74-119
Vinyl chloride	50.00	40.70	81	70-116

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed: 11/05/07

Project No.: E711070

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS624

Location: Franklin, MA

Lab File ID: J32630.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
1,1,1-Trichloroethane	20.00	20.70	103	75-125
1,1,2,2-Tetrachloroet...	20.00	20.57	103	60-140
1,1,2-Trichloroethane	20.00	19.81	99	71-129
1,1-Dichloroethane	20.00	19.58	98	72-128
1,1-Dichloroethene	20.00	22.89	114	50-150
1,2-Dichlorobenzene	20.00	22.91	114	63-137
1,2-Dichloroethane	20.00	19.68	98	68-132
1,2-Dichloropropane	20.00	20.51	102	34-166
1,3-Dichlorobenzene	20.00	23.68	118	73-127
1,4-Dichlorobenzene	20.00	23.36	117	63-137
2-Chloroethyl vinyl e...	20.00	23.24	116	1-224
Benzene	20.00	21.43	107	64-136
Bromodichloromethane	20.00	19.60	98	66-135
Bromoform	20.00	19.22	96	71-129
Bromomethane	20.00	22.70	114	14-186
Carbon tetrachloride	20.00	23.40	117	73-127
Chlorobenzene	20.00	22.36	112	66-134
Chloroethane	20.00	16.71	84	38-162
Chloroform	20.00	19.74	99	68-133
Chloromethane	20.00	17.64	88	1-204
cis-1,3-Dichloropropene	20.00	19.17	96	24-176
Dibromochloromethane	20.00	17.37	87	68-133
Ethylbenzene	20.00	23.80	119	59-141
Methylene chloride	20.00	14.34	72	60-140
Tetrachloroethene (PCE)	20.00	22.36	112	74-127
Toluene	20.00	21.72	108	74-126
trans-1,2-Dichloroethene	20.00	21.40	107	70-131
trans-1,3-Dichloropro...	20.00	19.22	96	50-150

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/05/07

Project No.: E711070

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS624

Location: Franklin, MA

Lab File ID: J32630.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
Trichloroethene (TCE)	20.00	21.66	108	66-134
Trichlorofluoromethane	20.00	21.00	105	48-152
Vinyl chloride	20.00	21.41	107	4-196

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits





PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS

PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\*

	YES	NO	COMMENTS
1. SDG Project Narratives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Traffic Report	<input type="checkbox"/>	<input type="checkbox"/>	N/A
3. Volatiles Data			
a. Sample Data			
Target Compound List (TCL) Results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Reconstructed total ion chromatograms (RIC) for each Sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For each sample:			
Raw spectra and background-subtracted mass spectra of target compounds identified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Percent solids calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Standards Data (all instruments)			
Initial Calibration Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal Standard Area Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Raw QC Data			
Blank Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Matrix Spike Duplicate Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
4. Semivolatiles Data			
a. QC Summary			
Surrogate Percent Recovery Summary	<input type="checkbox"/>	<input type="checkbox"/>	N/A
MS/MSD Summary	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Method Blank Summary	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	N/A



PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS  
(Continued)

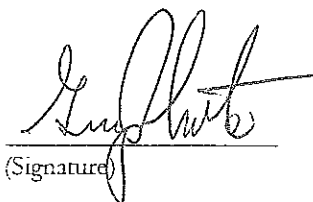
PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\*

	YES	NO	COMMENTS
b. Sample Data			
TCL Results	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Tentatively Identified Compounds	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Reconstructed total ion chromatograms (RIC) for each Sample	<input type="checkbox"/>	<input type="checkbox"/>	N/A
For each sample:			
Raw spectra and background-subtracted mass spectra of TCL compounds	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Mass spectra of TICs with 3 best library matches	<input type="checkbox"/>	<input type="checkbox"/>	N/A
GPC chromatograms (if GPC performed)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
c. Standards Data (all instruments)			
Initial Calibration Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
RICs and Quan Reports for all Standards	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	N/A
RICs and Quan Reports for all Standards	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Internal Standard Areas Summary	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Internal Standard Areas Summary	<input type="checkbox"/>	<input type="checkbox"/>	N/A
d. Raw QC Data			
Decafluorotriphenylphosphine (DFTPP)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Blank Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Matrix Spike Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Matrix Spike Duplicate Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
5. Miscellaneous Data			
Original preparation and analysis forms or copies of preparation and analysis log book pages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal sample & sample extract transfer chain-of custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Screening Records	<input type="checkbox"/>	<input type="checkbox"/>	N/A
All instrument output, including strip charts from screening activities (describe or list)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

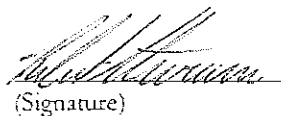
PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS  
(Continued)PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS?\*\*

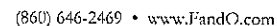
	YES	NO	COMMENTS
6. Chain-of-Custody Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>N/A 11/12/07</u>
Sample Log-in Sheet (Lab & DC1)	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Miscellaneous Shipping/Receiving Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
<hr/>			
7. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<u></u>
<hr/>			
8. Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<u></u>
<hr/>			
<hr/>			
9. Comments:			
<hr/>			
<hr/>			
<hr/>			

\*\* See laboratory Quality Assurance Plan for limits.

Completed by:		<u>Gregory Plante</u> <sup>Organics</sup>	<u>11/12/07</u>
(Lab)	(Signature)	(Printed Name/Title)	Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by:		<u>Robert Stevenson</u> <sup>Lab Director</sup>	<u>11-12-07</u>
(Lab)	(Signature)	(Printed Name/Title)	Date



- ☐ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201

- ☐ 78 Interstate Drive, West Springfield, MA 01089  
☐ 610 Lynndale Court, Suite E, Greenville, NC 27858  
☐ 24 Madison Avenue Extension, Albany, NY 12203

- ☒ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601  
☐ Other

## 14718

## TITRATIONS

- ☐ 1 Day\*    ☐ 3 Days\*    ☐ Other \_\_\_\_\_ (days)  
☐ 2 Days\*    ☒ Standard (\_\_\_\_ days)    \*Surcharge Applies

PROJECT NAME

## PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Na-style Phase II

Franklin, MA

2005045x.B10

Premier

REPORT TO: David Foss

INVOICE TO:

P.O. No.: 8420050458 B10

Sampler's Signature: \_\_\_\_\_

Date: 10/31/87

Source Codes:

MW=Monitoring Well

PW=Potable Water

S<sub>soil</sub> = Soil

$$W=W_{\text{aste}}$$

SW=Surface Water

T=Treatment Facility

B=Sediment

$$\Lambda = \Lambda_{\text{IR}}$$

X=Other

Trip Blank

VOCs by S2CAB

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:	Additional Comments:
1	<i>[Signature]</i>	<i>[Signature]</i>	10/31/07	1700	See attached table for required RL's	
2	<i>[Signature]</i>	<i>[Signature]</i>	11/1/07	1420		Please complete attached checklist 3.8°C
3	<i>[Signature]</i>	<i>[Signature]</i>	11/1/07	1420		
4	<i>[Signature]</i>	<i>[Signature]</i>	11-1-07	1525		



**Modified Tier II  
Data Validation Narrative  
and Certification**

**Project: 20050458B10, Former Nu-Style Company, Inc. Facility**

**Premier Laboratory Project Number:** E711143

**Date Samples Received at Laboratory:** 11/2/2007

**Date of Review:** 12/18/2007

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Four soil samples, including a field duplicate, were collected from four soil borings over two days. Samples were submitted to Premier Laboratory in Dayville, Connecticut for analysis of volatile organic compounds (VOCs) by EPA Method 8260B, priority pollutant-13 metals plus barium by EPA Methods 6010B and 7471, and/or petroleum hydrocarbons by Massachusetts Extractable and Volatile Petroleum Hydrocarbon (EPH/VPH) methods of analysis. Analyses for individual samples were determined based upon constituents of concern in the area where the individual monitoring wells are located.

Dedicated sampling equipment was used; therefore, no equipment blank was indicated. An aqueous trip blank was also submitted. No VOCs were reported in the trip blank.

Results of primary and duplicate sample pairs were generally similar. The relative percent difference (RPD) calculated for several metals was greater than the 50% limit established by the QAPP for soil samples. Several RPD values were outside laboratory quality control limits in both initial total and fractionated extractions.

Surrogate recoveries were acceptable for all applicable analyses. With the exception of hexachlorobutadiene, reporting limits were low enough to compare to MADEP GW-2 and GW-3 criteria. The lowest achievable reporting limit for this compound is 0.5 µg/L.

I certify that the field and laboratory data associated with the above referenced project, to the best of my knowledge with the exceptions noted above, are compliant with the Quality Assurance Project Plan for the Former Nu-Style Company, Inc. Facility located in Franklin, Massachusetts dated September 2006.

Certified by:

  
\_\_\_\_\_  
Lynne P. Matteson  
QA/QC Officer



**PHASE II SITE ASSESSMENT  
 FORMER NU-STYLE COMPANY, INC. FACILITY  
 MODIFIED TIER I COMPLETENESS CHECKLIST**

	<u>YES</u>	<u>NO</u>
<b>1. SAMPLING AND FIELD MEASUREMENTS:</b>		
Field measurement calibration records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Groundwater field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Soil sampling field measurements (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sediment sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Surface water sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Low-flow sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Documentation of field activities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample numbering and labeling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicate samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A
<b>2. LABORATORY MEASUREMENTS:</b>		
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Instrument blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Laboratory control samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicates samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Matrix spike/matrix spike duplicates	<input type="checkbox"/>	<input type="checkbox"/> N/A
Analysis type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Surrogate recoveries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A

TOTAL: 15 0

PERCENT COMPLETE: 100 %



## ANALYTICAL DATA REPORT

Report Number: E711143  
Project: 20050458.B10/Nu-Style Phase II

prepared for:

Fuss & O'Neill  
275 Promenade Street  
Providence, RI 02908

Attn: David Foss

Received Date: 11/2/2007  
Report Date: 12/11/2007

Premier Laboratory, LLC  
Authorized Signature



Certifications:  
CT (PH-0465), MA (M-CT008), ME (CT050), NH (2020), NJ (CT002), NY (11549), RI (RI246)



# Premier Laboratory, Inc

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

## MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Premier Laboratory, Inc

Project #: E711143

Project Location: Franklin, MA

MADEP RTN<sup>1</sup>:

This Form provides certifications for the following data set:[list Laboratory Sample ID Number(s)]

1, 2, 3, 4, 5

Sample Matrices: ☒ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other

<b>MCP SW-846</b>	8260B <input checked="" type="checkbox"/>	8151A <input type="checkbox"/>	8330 <input type="checkbox"/>	6010B <input checked="" type="checkbox"/>	7470A/1A <input checked="" type="checkbox"/>
<b>Methods Used</b>	8270C <input type="checkbox"/>	8081A <input type="checkbox"/>	VPH <input checked="" type="checkbox"/>	6020 <input type="checkbox"/>	9014M <sup>2</sup> <input type="checkbox"/>
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 <input type="checkbox"/>	8021B <input type="checkbox"/>	EPH <input checked="" type="checkbox"/>	7000 S <sup>3</sup> <input type="checkbox"/>	7196A <input type="checkbox"/>

1 List Release Tracking Number (RTN), if known  
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method  
3 S - SW-846 Methods 7000 Series List individual method and analyte.

### An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 (a),(b),(c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
D	<b><u>VPH and EPH Methods only:</u></b> Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

### A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Robert Stevenson

Position: Laboratory Director

Printed Name: Robert Stevenson

Date: 12/11/2007





Report No: E711143  
Client: Fuss & O'Neill  
Project: 20050458.B10/Nu-Style Phase II

## **CASE NARRATIVE / METHOD CONFORMANCE SUMMARY**

Premier Laboratory, Inc received five samples from Fuss & O'Neill on 11/02/2007. The samples were analyzed from the following list of analyses:

Extractable Petroleum Hydrocarbon (EPH) MADEP EPH[MADEP EPH]	Moisture, Percent
	Trace Priority Pollutant (13) Metals in Soil 6010B[3000], 7471[7471]
Volatile Petroleum Hydrocarbon (VPH) MADEP VPH	Volatiles by 8260B (MCP) in GW/SW
Volatiles by 8260B in GW/SW 8260B	8260B

### **Variances:**

#### **SDG:**

Several RPD values were outside quality control limits for the fractionated LCS. The LCS passed all other quality control limits, in both the initial total and fractionated extractions.

#### **Method:**

None reported.

#### **QA/QC:**

None reported.

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc  
 PL Report No: E711143  
 Date Received: 11/2/2007

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
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**(2) 841071101-04**

**Date Collected: 11/1/2007**      **Matrix: Solid**

Trace Metals by 6010B

Antimony	1.0	0.19	mg/kg	11/13/07		AMM
Arsenic	3.0	0.32	mg/kg	11/09/07	14:06	AMM
Barium	26	0.13	mg/kg	11/09/07	14:06	AMM
Beryllium	0.35	0.064	mg/kg	11/09/07	14:06	AMM
Cadmium	0.60	0.13	mg/kg	11/09/07	14:06	AMM
Chromium	24	0.13	mg/kg	11/09/07	14:06	AMM
Copper	110	0.13	mg/kg	11/09/07	14:06	AMM
Lead	68	0.13	mg/kg	11/13/07		AMM
Nickel	4.3	0.13	mg/kg	11/09/07	14:06	AMM
Selenium	ND	0.32	mg/kg	11/09/07	14:06	AMM
Silver	ND	0.13	mg/kg	11/09/07	14:06	AMM
Thallium	ND	0.32	mg/kg	11/13/07		AMM
Zinc	73	0.13	mg/kg	11/09/07	14:06	AMM
Mercury by SW-846 7471 in SW	0.12	0.026	mg/kg	11/07/07		KAW

**(3) 841071101-05**

**Date Collected: 11/1/2007**      **Matrix: Solid**

Trace Metals by 6010B

Antimony	ND	0.18	mg/kg	11/13/07		AMM
Arsenic	1.3	0.30	mg/kg	11/09/07	14:09	AMM
Barium	15	0.12	mg/kg	11/09/07	14:09	AMM
Beryllium	0.24	0.061	mg/kg	11/09/07	14:09	AMM
Cadmium	0.37	0.12	mg/kg	11/09/07	14:09	AMM
Chromium	15	0.12	mg/kg	11/09/07	14:09	AMM
Copper	11	0.12	mg/kg	11/09/07	14:09	AMM
Lead	7.1	0.12	mg/kg	11/13/07		AMM
Nickel	4.7	0.12	mg/kg	11/09/07	14:09	AMM
Selenium	ND	0.30	mg/kg	11/09/07	14:09	AMM
Silver	ND	0.12	mg/kg	11/09/07	14:09	AMM
Thallium	ND	0.30	mg/kg	11/13/07		AMM
Zinc	28	0.12	mg/kg	11/09/07	14:09	AMM
Mercury by SW-846 7471 in SW	0.028	0.024	mg/kg	11/07/07		KAW

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc  
 PL Report No: E711143  
 Date Received: 11/2/2007

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
(4) 841071101-06						
Date Collected: 11/1/2007	Matrix: Solid					
Trace Metals by 6010B						
Antimony	ND	0.18	mg/kg	11/13/07		AMM
Arsenic	0.84	0.30	mg/kg	11/09/07	14:11	AMM
Barium	15	0.12	mg/kg	11/09/07	14:11	AMM
Beryllium	0.21	0.060	mg/kg	11/09/07	14:11	AMM
Cadmium	0.17	0.12	mg/kg	11/09/07	14:11	AMM
Chromium	3.8	0.12	mg/kg	11/09/07	14:11	AMM
Copper	3.1	0.12	mg/kg	11/09/07	14:11	AMM
Lead	2.5	0.12	mg/kg	11/13/07		AMM
Nickel	2.2	0.12	mg/kg	11/09/07	14:11	AMM
Selenium	ND	0.30	mg/kg	11/09/07	14:11	AMM
Silver	ND	0.12	mg/kg	11/09/07	14:11	AMM
Thallium	ND	0.30	mg/kg	11/13/07		AMM
Zinc	11	0.12	mg/kg	11/09/07	14:11	AMM
Mercury by SW-846 7471 in SW	ND	0.024	mg/kg	11/07/07		KAW

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711143

Location: Franklin, MA

PL Sample No: 1

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071101-03

Date Collected: 11/1/2007

Matrix: Solid

Date Received: 11/2/2007

Percent Moisture: 13.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/06/07 By: DDD

Dilution Factor: 200

Method: 8260B

Soil Extract Volume:

QC Batch#: 57663

Lab Data File: J32685.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	1200
71-43-2	Benzene	ND	1200
108-86-1	Bromobenzene	ND	1200
74-97-5	Bromochloromethane	ND	1200
75-27-4	Bromodichloromethane	ND	1200
75-25-2	Bromoform	ND	1200
74-83-9	Bromomethane	ND	1200
78-93-3	2-Butanone (MEK)	ND	1200
104-51-8	n-Butylbenzene	ND	1200
135-98-8	sec-Butylbenzene	ND	1200
98-06-6	tert-Butylbenzene	ND	1200
75-15-0	Carbon disulfide	ND	1200
56-23-5	Carbon tetrachloride	ND	1200
108-90-7	Chlorobenzene	ND	1200
75-00-3	Chloroethane	ND	1200
67-66-3	Chloroform	ND	1200
74-87-3	Chloromethane	ND	1200
95-49-8	2-Chlorotoluene	ND	1200
106-43-4	4-Chlorotoluene	ND	1200
108-20-3	Di-isopropyl ether (DIPE)	ND	1200
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	1200
124-48-1	Dibromochloromethane	ND	1200
106-93-4	1,2-Dibromoethane (EDB)	ND	1200
74-95-3	Dibromomethane	ND	1200
95-50-1	1,2-Dichlorobenzene	ND	1200
541-73-1	1,3-Dichlorobenzene	ND	1200
106-46-7	1,4-Dichlorobenzene	ND	1200
75-71-8	Dichlorodifluoromethane	ND	1200
75-34-3	1,1-Dichloroethane	ND	1200
107-06-2	1,2-Dichloroethane	ND	1200
75-35-4	1,1-Dichloroethene	ND	1200
156-59-2	cis-1,2-Dichloroethene	ND	1200
156-60-5	trans-1,2-Dichloroethene	ND	1200
78-87-5	1,2-Dichloropropane	ND	1200
142-28-9	1,3-Dichloropropane	ND	1200
590-20-7	2,2-Dichloropropane	ND	1200
563-58-6	1,1-Dichloropropene	ND	1200
10061-01-5	cis-1,3-Dichloropropene	ND	1200
10061-02-6	trans-1,3-Dichloropropene	ND	1200
60-29-7	Diethyl ether	ND	1200
123-91-1	1,4-Dioxane	ND	4600

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711143

Location: Franklin, MA

PL Sample No: 1 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071101-03

Date Collected: 11/1/2007

Matrix: Solid

Date Received: 11/2/2007

Percent Moisture: 13.7

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/06/07 By: DDD

Dilution Factor: 200

Method: 8260B

Soil Extract Volume:

QC Batch#: 57663

Lab Data File: J32685.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	1200
100-41-4	Ethylbenzene	ND	1200
87-68-3	Hexachlorobutadiene	ND	1200
591-78-6	2-Hexanone	ND	1200
98-82-8	Isopropylbenzene	ND	1200
99-87-6	4-Isopropyltoluene	ND	1200
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1200
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	1200
75-09-2	Methylene chloride	ND	1200
91-20-3	Naphthalene	ND	1200
103-65-1	n-Propylbenzene	ND	1200
100-42-5	Styrene	ND	1200
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	1200
109-99-9	Tetrahydrofuran	ND	1200
96-18-4	1,2,3-Trichloropropane	ND	1200
630-20-6	1,1,1,2-Tetrachloroethane	ND	1200
79-34-5	1,1,2,2-Tetrachloroethane	ND	1200
127-18-4	Tetrachloroethene (PCE)	40000	1200
108-88-3	Toluene	ND	1200
87-61-6	1,2,3-Trichlorobenzene	ND	1200
120-82-1	1,2,4-Trichlorobenzene	ND	1200
71-55-6	1,1,1-Trichloroethane	ND	1200
79-00-5	1,1,2-Trichloroethane	ND	1200
79-01-6	Trichloroethene (TCE)	9200	1200
75-69-4	Trichlorofluoromethane	ND	1200
95-63-6	1,2,4-Trimethylbenzene	ND	1200
108-67-8	1,3,5-Trimethylbenzene	ND	1200
75-01-4	Vinyl chloride	ND	1200
95-47-6	o-Xylene	ND	1200
108-38-3	m,p-Xylenes	ND	1200

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	93%	85%-116%
Bromofluorobenzene	89%	63%-113%
Toluene-d8	93%	78%-128%

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, Inc	Client:	Fuss & O'Neill
PL Report No:	E711143	Location:	Franklin, MA
PL Sample No:	2	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841071101-04
		Dilution (Target):	50
Date Collected:	11/1/2007		
Date Received:	11/2/2007	Matrix:	Solid
Date Analyzed:	11/06/2007	Percent Moisture:	21.9
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6400	ug/kg
C9-C12 Aliphatics**	50	ND	6400	ug/kg
C9-C10 Aromatics***	50	ND	6400	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	80	70%-130%
2,5-dibromotoluene #2	84	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	320	ug/kg
Ethylbenzene	ND	320	ug/kg
Methyl tert-butyl ether (MTBE)	ND	64	ug/kg
Naphthalene	ND	320	ug/kg
Toluene	ND	320	ug/kg
m,p-Xylenes	ND	320	ug/kg
o-Xylene	ND	320	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711143

Location: Franklin, MA

PL Sample No: 2

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071101-04

Date Collected: 11/1/2007

Matrix: Solid

Date Received: 11/2/2007

Percent Moisture: 21.9

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/06/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57663

Lab Data File: J32680.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	11	6.4
71-43-2	Benzene	ND	6.4
108-86-1	Bromobenzene	ND	6.4
74-97-5	Bromochloromethane	ND	6.4
75-27-4	Bromodichloromethane	ND	6.4
75-25-2	Bromoform	ND	6.4
74-83-9	Bromomethane	ND	6.4
78-93-3	2-Butanone (MEK)	ND	6.4
104-51-8	n-Butylbenzene	ND	6.4
135-98-8	sec-Butylbenzene	ND	6.4
98-06-6	tert-Butylbenzene	ND	6.4
75-15-0	Carbon disulfide	ND	6.4
56-23-5	Carbon tetrachloride	ND	6.4
108-90-7	Chlorobenzene	ND	6.4
75-00-3	Chloroethane	ND	6.4
67-66-3	Chloroform	ND	6.4
74-87-3	Chloromethane	ND	6.4
95-49-8	2-Chlorotoluene	ND	6.4
106-43-4	4-Chlorotoluene	ND	6.4
108-20-3	Di-isopropyl ether (DIPE)	ND	6.4
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	6.4
124-48-1	Dibromochloromethane	ND	6.4
106-93-4	1,2-Dibromoethane (EDB)	ND	6.4
74-95-3	Dibromomethane	ND	6.4
95-50-1	1,2-Dichlorobenzene	ND	6.4
541-73-1	1,3-Dichlorobenzene	ND	6.4
106-46-7	1,4-Dichlorobenzene	ND	6.4
75-71-8	Dichlorodifluoromethane	ND	6.4
75-34-3	1,1-Dichloroethane	ND	6.4
107-06-2	1,2-Dichloroethane	ND	6.4
75-35-4	1,1-Dichloroethene	ND	6.4
156-59-2	cis-1,2-Dichloroethene	ND	6.4
156-60-5	trans-1,2-Dichloroethene	ND	6.4
78-87-5	1,2-Dichloropropane	ND	6.4
142-28-9	1,3-Dichloropropane	ND	6.4
590-20-7	2,2-Dichloropropane	ND	6.4
563-58-6	1,1-Dichloropropene	ND	6.4
10061-01-5	cis-1,3-Dichloropropene	ND	6.4
10061-02-6	trans-1,3-Dichloropropene	ND	6.4
60-29-7	Diethyl ether	ND	6.4
123-91-1	1,4-Dioxane	ND	26

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711143

Location: Franklin, MA

PL Sample No: 2 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071101-04

Date Collected: 11/1/2007

Matrix: Solid

Date Received: 11/2/2007

Percent Moisture: 21.9

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/06/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57663

Lab Data File: J32680.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	6.4
100-41-4	Ethylbenzene	ND	6.4
87-68-3	Hexachlorobutadiene	ND	6.4
591-78-6	2-Hexanone	ND	6.4
98-82-8	Isopropylbenzene	ND	6.4
99-87-6	4-Isopropyltoluene	ND	6.4
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	6.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	6.4
75-09-2	Methylene chloride	ND	6.4
91-20-3	Naphthalene	140	6.4
103-65-1	n-Propylbenzene	ND	6.4
100-42-5	Styrene	ND	6.4
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	6.4
109-99-9	Tetrahydrofuran	ND	6.4
96-18-4	1,2,3-Trichloropropane	ND	6.4
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.4
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4
127-18-4	Tetrachloroethene (PCE)	ND	6.4
108-88-3	Toluene	ND	6.4
87-61-6	1,2,3-Trichlorobenzene	ND	6.4
120-82-1	1,2,4-Trichlorobenzene	ND	6.4
71-55-6	1,1,1-Trichloroethane	ND	6.4
79-00-5	1,1,2-Trichloroethane	ND	6.4
79-01-6	Trichloroethene (TCE)	ND	6.4
75-69-4	Trichlorofluoromethane	ND	6.4
95-63-6	1,2,4-Trimethylbenzene	ND	6.4
108-67-8	1,3,5-Trimethylbenzene	ND	6.4
75-01-4	Vinyl chloride	ND	6.4
95-47-6	o-Xylene	ND	6.4
108-38-3	m,p-Xylenes	ND	6.4

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	101%	85%-116%
Bromofluorobenzene	85%	63%-113%
Toluene-d8	100%	78%-128%



## VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, Inc	Client:	Fuss & O'Neill
PL Report No:	E711143	Location:	Franklin, MA
PL Sample No:	3	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841071101-05
		Dilution (Target):	50
Date Collected:	11/1/2007		
Date Received:	11/2/2007	Matrix:	Solid
Date Analyzed:	11/06/2007	Percent Moisture:	18.0
		Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6100	ug/kg
C9-C12 Aliphatics**	50	ND	6100	ug/kg
C9-C10 Aromatics***	50	ND	6100	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	80	70%-130%
2,5-dibromotoluene #2	89	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	300	ug/kg
Ethylbenzene	ND	300	ug/kg
Methyl tert-butyl ether (MTBE)	ND	61	ug/kg
Naphthalene	ND	300	ug/kg
Toluene	ND	300	ug/kg
m,p-Xylenes	ND	300	ug/kg
o-Xylene	ND	300	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711143

Location: Franklin, MA

PL Sample No: 3

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071101-05

Date Collected: 11/1/2007

Matrix: Solid

Date Received: 11/2/2007

Percent Moisture: 18.0

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/05/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57581

Lab Data File: J32641.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	28	4.7
71-43-2	Benzene	ND	4.7
108-86-1	Bromobenzene	ND	4.7
74-97-5	Bromochloromethane	ND	4.7
75-27-4	Bromodichloromethane	ND	4.7
75-25-2	Bromoform	ND	4.7
74-83-9	Bromomethane	ND	4.7
78-93-3	2-Butanone (MEK)	6.6	4.7
104-51-8	n-Butylbenzene	ND	4.7
135-98-8	sec-Butylbenzene	ND	4.7
98-06-6	tert-Butylbenzene	ND	4.7
75-15-0	Carbon disulfide	ND	4.7
56-23-5	Carbon tetrachloride	ND	4.7
108-90-7	Chlorobenzene	ND	4.7
75-00-3	Chloroethane	ND	4.7
67-66-3	Chloroform	ND	4.7
74-87-3	Chloromethane	ND	4.7
95-49-8	2-Chlorotoluene	ND	4.7
106-43-4	4-Chlorotoluene	ND	4.7
108-20-3	Di-isopropyl ether (DIPE)	ND	4.7
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	4.7
124-48-1	Dibromochloromethane	ND	4.7
106-93-4	1,2-Dibromoethane (EDB)	ND	4.7
74-95-3	Dibromomethane	ND	4.7
95-50-1	1,2-Dichlorobenzene	ND	4.7
541-73-1	1,3-Dichlorobenzene	ND	4.7
106-46-7	1,4-Dichlorobenzene	ND	4.7
75-71-8	Dichlorodifluoromethane	ND	4.7
75-34-3	1,1-Dichloroethane	ND	4.7
107-06-2	1,2-Dichloroethane	ND	4.7
75-35-4	1,1-Dichloroethene	ND	4.7
156-59-2	cis-1,2-Dichloroethene	ND	4.7
156-60-5	trans-1,2-Dichloroethene	ND	4.7
78-87-5	1,2-Dichloropropane	ND	4.7
142-28-9	1,3-Dichloropropane	ND	4.7
590-20-7	2,2-Dichloropropane	ND	4.7
563-58-6	1,1-Dichloropropene	ND	4.7
10061-01-5	cis-1,3-Dichloropropene	ND	4.7
10061-02-6	trans-1,3-Dichloropropene	ND	4.7
60-29-7	Diethyl ether	ND	4.7
123-91-1	1,4-Dioxane	ND	19

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711143

Location: Franklin, MA

PL Sample No: 3 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071101-05

Date Collected: 11/1/2007

Matrix: Solid

Date Received: 11/2/2007

Percent Moisture: 18.0

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/05/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57581

Lab Data File: J32641.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	4.7
100-41-4	Ethylbenzene	ND	4.7
87-68-3	Hexachlorobutadiene	ND	4.7
591-78-6	2-Hexanone	ND	4.7
98-82-8	Isopropylbenzene	ND	4.7
99-87-6	4-Isopropyltoluene	ND	4.7
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	4.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.7
75-09-2	Methylene chloride	ND	4.7
91-20-3	Naphthalene	ND	4.7
103-65-1	n-Propylbenzene	ND	4.7
100-42-5	Styrene	ND	4.7
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	4.7
109-99-9	Tetrahydrofuran	ND	4.7
96-18-4	1,2,3-Trichloropropane	ND	4.7
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.7
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7
127-18-4	Tetrachloroethene (PCE)	ND	4.7
108-88-3	Toluene	ND	4.7
87-61-6	1,2,3-Trichlorobenzene	ND	4.7
120-82-1	1,2,4-Trichlorobenzene	ND	4.7
71-55-6	1,1,1-Trichloroethane	ND	4.7
79-00-5	1,1,2-Trichloroethane	ND	4.7
79-01-6	Trichloroethene (TCE)	ND	4.7
75-69-4	Trichlorofluoromethane	ND	4.7
95-63-6	1,2,4-Trimethylbenzene	ND	4.7
108-67-8	1,3,5-Trimethylbenzene	ND	4.7
75-01-4	Vinyl chloride	ND	4.7
95-47-6	o-Xylene	ND	4.7
108-38-3	m,p-Xylenes	ND	4.7

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	107%	85%-116%
Bromofluorobenzene	83%	63%-113%
Toluene-d8	89%	78%-128%

# VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, Inc	Client:	Fuss & O'Neill
PL Report No:	E711143	Location:	Franklin, MA
PL Sample No:	4	Project:	20050458.B10/Nu-Style Phase II
Preservative	METHANOL	Sample Description:	841071101-06
		Dilution (Target):	50
Date Collected:	11/1/2007		
Date Received:	11/2/2007	Matrix:	Solid
Date Analyzed:	11/06/2007	Percent Moisture:	17.2
		Method:	MADEP VPH
		Ext Method:	5030B

## (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	50	ND	6000	ug/kg
C9-C12 Aliphatics**	50	ND	6000	ug/kg
C9-C10 Aromatics***	50	ND	6000	ug/kg

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

## SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene	76	70%-130%
2,5-dibromotoluene #2	88	70%-130%

## TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	300	ug/kg
Ethylbenzene	ND	300	ug/kg
Methyl tert-butyl ether (MTBE)	ND	60	ug/kg
Naphthalene	ND	300	ug/kg
Toluene	ND	300	ug/kg
m,p-Xylenes	ND	300	ug/kg
o-Xylene	ND	300	ug/kg

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711143

Location: Franklin, MA

PL Sample No: 4

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071101-06

Date Collected: 11/1/2007

Matrix: Solid

Date Received: 11/2/2007

Percent Moisture: 17.2

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/05/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57581

Lab Data File: J32642.D

Units: ug/kg

CAS No.	Parameter	Result	DL
67-64-1	Acetone	35	5.2
71-43-2	Benzene	ND	5.2
108-86-1	Bromobenzene	ND	5.2
74-97-5	Bromochloromethane	ND	5.2
75-27-4	Bromodichloromethane	ND	5.2
75-25-2	Bromoform	ND	5.2
74-83-9	Bromomethane	ND	5.2
78-93-3	2-Butanone (MEK)	7.4	5.2
104-51-8	n-Butylbenzene	ND	5.2
135-98-8	sec-Butylbenzene	ND	5.2
98-06-6	tert-Butylbenzene	ND	5.2
75-15-0	Carbon disulfide	ND	5.2
56-23-5	Carbon tetrachloride	ND	5.2
108-90-7	Chlorobenzene	ND	5.2
75-00-3	Chloroethane	ND	5.2
67-66-3	Chloroform	ND	5.2
74-87-3	Chloromethane	ND	5.2
95-49-8	2-Chlorotoluene	ND	5.2
106-43-4	4-Chlorotoluene	ND	5.2
108-20-3	Di-isopropyl ether (DIPE)	ND	5.2
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.2
124-48-1	Dibromochloromethane	ND	5.2
106-93-4	1,2-Dibromoethane (EDB)	ND	5.2
74-95-3	Dibromomethane	ND	5.2
95-50-1	1,2-Dichlorobenzene	ND	5.2
541-73-1	1,3-Dichlorobenzene	ND	5.2
106-46-7	1,4-Dichlorobenzene	ND	5.2
75-71-8	Dichlorodifluoromethane	ND	5.2
75-34-3	1,1-Dichloroethane	ND	5.2
107-06-2	1,2-Dichloroethane	ND	5.2
75-35-4	1,1-Dichloroethene	ND	5.2
156-59-2	cis-1,2-Dichloroethene	ND	5.2
156-60-5	trans-1,2-Dichloroethene	ND	5.2
78-87-5	1,2-Dichloropropane	ND	5.2
142-28-9	1,3-Dichloropropane	ND	5.2
590-20-7	2,2-Dichloropropane	ND	5.2
563-58-6	1,1-Dichloropropene	ND	5.2
10061-01-5	cis-1,3-Dichloropropene	ND	5.2
10061-02-6	trans-1,3-Dichloropropene	ND	5.2
60-29-7	Diethyl ether	ND	5.2
123-91-1	1,4-Dioxane	ND	21

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, Inc

Customer: Fuss & O'Neill

PL Report No: E711143

Location: Franklin, MA

PL Sample No: 4 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071101-06

Date Collected: 11/1/2007

Matrix: Solid

Date Received: 11/2/2007

Percent Moisture: 17.2

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/05/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57581

Lab Data File: J32642.D

Units: ug/kg

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	5.2
100-41-4	Ethylbenzene	ND	5.2
87-68-3	Hexachlorobutadiene	ND	5.2
591-78-6	2-Hexanone	ND	5.2
98-82-8	Isopropylbenzene	ND	5.2
99-87-6	4-Isopropyltoluene	ND	5.2
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.2
75-09-2	Methylene chloride	ND	5.2
91-20-3	Naphthalene	ND	5.2
103-65-1	n-Propylbenzene	ND	5.2
100-42-5	Styrene	ND	5.2
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	5.2
109-99-9	Tetrahydrofuran	ND	5.2
96-18-4	1,2,3-Trichloropropane	ND	5.2
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2
127-18-4	Tetrachloroethene (PCE)	ND	5.2
108-88-3	Toluene	ND	5.2
87-61-6	1,2,3-Trichlorobenzene	ND	5.2
120-82-1	1,2,4-Trichlorobenzene	ND	5.2
71-55-6	1,1,1-Trichloroethane	ND	5.2
79-00-5	1,1,2-Trichloroethane	ND	5.2
79-01-6	Trichloroethene (TCE)	ND	5.2
75-69-4	Trichlorofluoromethane	ND	5.2
95-63-6	1,2,4-Trimethylbenzene	ND	5.2
108-67-8	1,3,5-Trimethylbenzene	ND	5.2
75-01-4	Vinyl chloride	ND	5.2
95-47-6	o-Xylene	ND	5.2
108-38-3	m,p-Xylenes	ND	5.2

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	105%	85%-116%
Bromofluorobenzene	85%	63%-113%
Toluene-d8	90%	78%-128%

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711143

Location: Franklin, MA

PL Sample No: 5

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071101-07

Date Collected: 11/1/2007

Matrix: Aqueous

Date Received: 11/2/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/05/07 By: DDD

Dilution Factor: 50

Method: 8260B

Soil Extract Volume:

QC Batch#: 57581

Lab Data File: J32636.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	250
71-43-2	Benzene	ND	250
108-86-1	Bromobenzene	ND	250
74-97-5	Bromochloromethane	ND	250
75-27-4	Bromodichloromethane	ND	250
75-25-2	Bromoform	ND	250
74-83-9	Bromomethane	ND	100
78-93-3	2-Butanone (MEK)	ND	250
104-51-8	n-Butylbenzene	ND	250
135-98-8	sec-Butylbenzene	ND	250
98-06-6	tert-Butylbenzene	ND	250
75-15-0	Carbon disulfide	ND	250
56-23-5	Carbon tetrachloride	ND	250
108-90-7	Chlorobenzene	ND	250
75-00-3	Chloroethane	ND	250
67-66-3	Chloroform	ND	250
74-87-3	Chloromethane	ND	250
95-49-8	2-Chlorotoluene	ND	250
106-43-4	4-Chlorotoluene	ND	250
108-20-3	Di-isopropyl ether (DIPE)	ND	250
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	250
124-48-1	Dibromochloromethane	ND	250
106-93-4	1,2-Dibromoethane (EDB)	ND	25
74-95-3	Dibromomethane	ND	250
95-50-1	1,2-Dichlorobenzene	ND	250
541-73-1	1,3-Dichlorobenzene	ND	250
106-46-7	1,4-Dichlorobenzene	ND	250
75-71-8	Dichlorodifluoromethane	ND	250
75-34-3	1,1-Dichloroethane	ND	250
107-06-2	1,2-Dichloroethane	ND	250
75-35-4	1,1-Dichloroethene	ND	50
156-59-2	cis-1,2-Dichloroethene	ND	250
156-60-5	trans-1,2-Dichloroethene	ND	250
78-87-5	1,2-Dichloropropane	ND	250
142-28-9	1,3-Dichloropropane	ND	250
590-20-7	2,2-Dichloropropane	ND	250
563-58-6	1,1-Dichloropropene	ND	250
10061-01-5	cis-1,3-Dichloropropene	ND	25
10061-02-6	trans-1,3-Dichloropropene	ND	25
60-29-7	Diethyl ether	ND	250
123-91-1	1,4-Dioxane	ND	1000

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711143

Location: Franklin, MA

PL Sample No: 5 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071101-07

Date Collected: 11/1/2007

Matrix: Aqueous

Date Received: 11/2/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/05/07 By: DDD

Dilution Factor: 50

Method: 8260B

Soil Extract Volume:

QC Batch#: 57581

Lab Data File: J32636.D

Units: ug/L

CAS No.	Parameter	Result	DL
	Ethyl tertiary-butyl ether (EtBE)	ND	250
100-41-4	Ethylbenzene	ND	250
87-68-3	Hexachlorobutadiene	ND	30
591-78-6	2-Hexanone	ND	250
98-82-8	Isopropylbenzene	ND	250
99-87-6	4-Isopropyltoluene	ND	250
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	250
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250
75-09-2	Methylene chloride	ND	250
91-20-3	Naphthalene	ND	250
103-65-1	n-Propylbenzene	ND	250
100-42-5	Styrene	ND	250
994-05-8	Tertiary-amyl methyl ether (TAME)	ND	250
109-99-9	Tetrahydrofuran	ND	250
96-18-4	1,2,3-Trichloropropane	ND	250
630-20-6	1,1,1,2-Tetrachloroethane	ND	250
79-34-5	1,1,2,2-Tetrachloroethane	ND	100
127-18-4	Tetrachloroethene (PCE)	ND	250
108-88-3	Toluene	ND	250
87-61-6	1,2,3-Trichlorobenzene	ND	250
120-82-1	1,2,4-Trichlorobenzene	ND	250
71-55-6	1,1,1-Trichloroethane	ND	250
79-00-5	1,1,2-Trichloroethane	ND	250
79-01-6	Trichloroethene (TCE)	ND	250
75-69-4	Trichlorofluoromethane	ND	250
95-63-6	1,2,4-Trimethylbenzene	ND	250
108-67-8	1,3,5-Trimethylbenzene	ND	250
75-01-4	Vinyl chloride	ND	100
95-47-6	o-Xylene	ND	250
108-38-3	m,p-Xylenes	ND	250

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	104%	81%-115%
Bromofluorobenzene	90%	85%-106%
Toluene-d8	88%	83%-114%



### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, Inc	Client:	Fuss & O'Neill
PL Report No:	E711143	Location:	Franklin, MA
PL Sample No:	2	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841071101-04
		Dilution (Target):	1
Date Collected:	11/1/2007		
Date Received:	11/2/2007	Matrix:	Solid
Date Extracted:	11/06/2007	Percent Moisture:	21.9
Date Analyzed:	11/07/2007	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	13000	ug/kg
C19-C36 Aliphatics	1	18000	13000	ug/kg
C11-C22 Aromatics*	1	60000	13000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	62	40% -140%
2-Bromonaphthalene	67	40% -140%
2-Fluorobiphenyl	68	40% -140%
o-Terphenyl	48	40% -140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	130	ug/kg
Acenaphthene	150	130	ug/kg
Acenaphthylene	260	130	ug/kg
Anthracene	640	130	ug/kg
Benzo[a]anthracene	1800	130	ug/kg
Benzo[a]pyrene	1600	130	ug/kg
Benzo[b]fluoranthene	1800	130	ug/kg
Benzo[g,h,i]perylene	ND	130	ug/kg
Benzo[k]fluoranthene	1300	130	ug/kg
Chrysene	1700	130	ug/kg
Dibenz[a,h]anthracene	ND	130	ug/kg
Fluoranthene	3900	130	ug/kg
Fluorene	280	130	ug/kg
Indeno[1,2,3-cd]pyrene	1200	130	ug/kg
Naphthalene	130	130	ug/kg
Phenanthrene	2800	130	ug/kg
Pyrene	3600	130	ug/kg

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, Inc	Client:	Fuss & O'Neill
PL Report No:	E711143	Location:	Franklin, MA
PL Sample No:	3	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841071101-05
		Dilution (Target):	1
Date Collected:	11/1/2007		
Date Received:	11/2/2007	Matrix:	Solid
Date Extracted:	11/06/2007	Percent Moisture:	18.0
Date Analyzed:	11/07/2007	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	12000	ug/kg
C19-C36 Aliphatics	1	ND	12000	ug/kg
C11-C22 Aromatics*	1	17000	12000	ug/kg

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	49	40% -140%
2-Bromonaphthalene	83	40% -140%
2-Fluorobiphenyl	80	40% -140%
o-Terphenyl	61	40% -140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	120	ug/kg
Acenaphthene	ND	120	ug/kg
Acenaphthylene	ND	120	ug/kg
Anthracene	ND	120	ug/kg
Benzo[a]anthracene	ND	120	ug/kg
Benzo[a]pyrene	ND	120	ug/kg
Benzo[b]fluoranthene	ND	120	ug/kg
Benzo[g,h,i]perylene	ND	120	ug/kg
Benzo[k]fluoranthene	ND	120	ug/kg
Chrysene	ND	120	ug/kg
Dibenz[a,h]anthracene	ND	120	ug/kg
Fluoranthene	180	120	ug/kg
Fluorene	ND	120	ug/kg
Indeno[1,2,3-cd]pyrene	ND	120	ug/kg
Naphthalene	ND	120	ug/kg
Phenanthrene	290	120	ug/kg
Pyrene	180	120	ug/kg

# EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, Inc	Client:	Fuss & O'Neill
PL Report No:	E711143	Location:	Franklin, MA
PL Sample No:	4	Project:	20050458.B10/Nu-Style Phase II
Preservative	None	Sample Description:	841071101-06
		Dilution (Target):	1
Date Collected:	11/1/2007		
Date Received:	11/2/2007	Matrix:	Solid
Date Extracted:	11/06/2007	Percent Moisture:	17.2
Date Analyzed:	11/07/2007	Method:	MADEP EPH
		Ext Method:	3545

## (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	12000	ug/kg
C19-C36 Aliphatics	1	ND	12000	ug/kg
C11-C22 Aromatics*	1	ND	12000	ug/kg

\* Excludes Targeted PAH Analytes

## SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	69	40% -140%
2-Bromonaphthalene	59	40% -140%
2-Fluorobiphenyl	59	40% -140%
o-Terphenyl	96	40% -140%

## TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	120	ug/kg
Acenaphthene	ND	120	ug/kg
Acenaphthylene	ND	120	ug/kg
Anthracene	ND	120	ug/kg
Benzo[a]anthracene	ND	120	ug/kg
Benzo[a]pyrene	ND	120	ug/kg
Benzo[b]fluoranthene	ND	120	ug/kg
Benzo[g,h,i]perylene	ND	120	ug/kg
Benzo[k]fluoranthene	ND	120	ug/kg
Chrysene	ND	120	ug/kg
Dibenz[a,h]anthracene	ND	120	ug/kg
Fluoranthene	ND	120	ug/kg
Fluorene	ND	120	ug/kg
Indeno[1,2,3-cd]pyrene	ND	120	ug/kg
Naphthalene	ND	120	ug/kg
Phenanthrene	ND	120	ug/kg
Pyrene	ND	120	ug/kg

FORM 3  
Soil 6010B Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/09/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: LCS

Location: Franklin, MA

Lab File ID: 110907A.lim

Compound	Spike Added (ppb)	Sample Concentration (ppb)	% Rec#	QC Limits Rec
Aluminum				-
Antimony				-
Arsenic				-
Barium				-
Beryllium				-
Boron				-
Cadmium				-
Calcium				-
Chromium				-
Cobalt				-
Copper				-
Iron				-
Lead				-
Magnesium				-
Manganese				-
Molybdenum				-
Nickel				-
Potassium				-
Selenium				-
Silver				-
Sodium				-
Thallium				-
Tin				-
Titanium				-
Vanadium				-
Zinc				-

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 4  
6010B Method Blank Summary

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Lab File ID: 110907A.lim

Lab Sample ID: Blank

Matrix: Soil

Date Analyzed: 11/09/07

Instrument ID: VarICP

Date Extracted:

Time Analyzed: 1354

This Method Blank Applies To The Following Samples, MD and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	LCS	LCS	110907A.lim	11/09/2007
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FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed: 11/05/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1105

Location: Franklin, MA

Lab File ID: J32628.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
1,1,1,2-Tetrachloroet...	50.00	45.28	90	72-120
1,1,1-Trichloroethane	50.00	42.97	86	77-123
1,1,2,2-Tetrachloroet...	50.00	43.72	87	72-120
1,1,2-Trichloroethane	50.00	43.51	87	80-116
1,1-Dichloroethane	50.00	42.24	84	75-115
1,1-Dichloroethene	50.00	44.20	88	73-129
1,1-Dichloropropene	50.00	42.42	85	75-117
1,2,3-Trichlorobenzene	50.00	43.34	87	70-127
1,2,4-Trichlorobenzene	50.00	47.06	94	70-123
1,2,4-Trimethylbenzene	50.00	47.06	94	76-126
1,2-Dibromoethane (EDB)	50.00	44.08	88	80-114
1,2-Dichlorobenzene	50.00	49.32	99	76-121
1,2-Dichloroethane	50.00	43.54	87	75-115
1,2-Dichloropropane	50.00	43.33	87	71-130
1,3,5-Trimethylbenzene	50.00	45.99	92	76-122
1,3-Dichlorobenzene	50.00	48.99	98	79-120
1,3-Dichloropropane	50.00	43.33	87	82-118
1,4-Dichlorobenzene	50.00	49.20	98	77-116
1,4-Dioxane	50.00	55.46	111	70-119
2,2-Dichloropropane	50.00	43.48	87	71-125
2-Butanone (MEK)	50.00	40.25	80	70-128
4-Chlorotoluene	50.00	48.33	97	77-117
4-Isopropyltoluene	50.00	44.97	90	71-124
4-Methyl-2-pentanone ...	50.00	43.04	86	75-121
Acetone	50.00	40.07	80	70-118
Benzene	50.00	44.34	89	77-118
Bromobenzene	50.00	47.13	94	79-116
Bromochloromethane	50.00	44.69	89	79-122

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed: 11/05/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1105

Location: Franklin, MA

Lab File ID: J32628.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
Bromodichloromethane	50.00	44.14	88	82-127
Bromoform	50.00	46.76	94	78-122
Bromomethane	50.00	45.12	90	70-130
Carbon disulfide	50.00	44.35	89	70-130
Carbon tetrachloride	50.00	48.72	97	77-125
Chlorobenzene	50.00	46.20	92	80-118
Chloroform	50.00	42.94	86	80-113
Chloromethane	50.00	46.15	92	70-130
cis-1,2-Dichloroethene	50.00	44.77	90	85-120
cis-1,3-Dichloropropene	50.00	42.17	84	79-116
Di-isopropyl ether (D...	50.00	40.96	82	78-121
Dibromochloromethane	50.00	41.85	84	79-122
Dibromomethane	50.00	45.34	91	78-120
Ethyl tertiary-butyl ...	50.00	41.23	82	81-122
Ethylbenzene	50.00	49.99	100	84-123
Hexachlorobutadiene	50.00	50.08	100	70-121
Isopropylbenzene	50.00	45.45	91	78-120
m,p-Xylenes	100.0	105.2	105	75-129
Methyl tert-butyl eth...	50.00	39.68	79	70-127
Methylene chloride	50.00	40.39	81	72-128
n-Butylbenzene	50.00	44.16	88	70-124
n-Propylbenzene	50.00	47.87	96	80-127
Naphthalene	50.00	43.09	86	70-126
o-Xylene	50.00	48.68	97	78-118
sec-Butylbenzene	50.00	45.08	90	78-118
Styrene	50.00	50.12	100	83-124
tert-Butylbenzene	50.00	46.10	92	76-118
Tertiary-amyl methyl ...	50.00	42.94	86	81-123

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/05/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1105

Location: Franklin, MA

Lab File ID: J32628.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
Tetrachloroethene (PCE)	50.00	43.97	88	77-122
Toluene	50.00	44.11	88	78-120
trans-1,2-Dichloroethene	50.00	43.65	87	80-120
trans-1,3-Dichloropro...	50.00	43.41	87	71-111
Trichloroethene (TCE)	50.00	45.14	90	74-119
Vinyl chloride	50.00	40.70	81	70-116

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits



FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed: 11/05/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS624

Location: Franklin, MA

Lab File ID: J32630.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
1,1,1-Trichloroethane	20.00	20.70	103	75-125
1,1,2,2-Tetrachloroet...	20.00	20.57	103	60-140
1,1,2-Trichloroethane	20.00	19.81	99	71-129
1,1-Dichloroethane	20.00	19.58	98	72-128
1,1-Dichloroethene	20.00	22.89	114	50-150
1,2-Dichlorobenzene	20.00	22.91	114	63-137
1,2-Dichloroethane	20.00	19.68	98	68-132
1,2-Dichloropropane	20.00	20.51	102	34-166
1,3-Dichlorobenzene	20.00	23.68	118	73-127
1,4-Dichlorobenzene	20.00	23.36	117	63-137
2-Chloroethyl vinyl e...	20.00	23.24	116	1-224
Benzene	20.00	21.43	107	64-136
Bromodichloromethane	20.00	19.60	98	66-135
Bromoform	20.00	19.22	96	71-129
Bromomethane	20.00	22.70	114	14-186
Carbon tetrachloride	20.00	23.40	117	73-127
Chlorobenzene	20.00	22.36	112	66-134
Chloroethane	20.00	16.71	84	38-162
Chloroform	20.00	19.74	99	68-133
Chloromethane	20.00	17.64	88	1-204
cis-1,3-Dichloropropene	20.00	19.17	96	24-176
Dibromochloromethane	20.00	17.37	87	68-133
Ethylbenzene	20.00	23.80	119	59-141
Methylene chloride	20.00	14.34	72	60-140
Tetrachloroethene (PCE)	20.00	22.36	112	74-127
Toluene	20.00	21.72	108	74-126
trans-1,2-Dichloroethene	20.00	21.40	107	70-131
trans-1,3-Dichloropro...	20.00	19.22	96	50-150

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/05/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS624

Location: Franklin, MA

Lab File ID: J32630.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
Trichloroethene (TCE)	20.00	21.66	108	66-134
Trichlorofluoromethane	20.00	21.00	105	48-152
Vinyl chloride	20.00	21.41	107	4-196

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed: 11/06/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1106

Location: Franklin, MA

Lab File ID: J32674B.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
1,1,1,2-Tetrachloroet...	50.00	45.93	92	72-120
1,1,1-Trichloroethane	50.00	45.83	92	77-123
1,1,2,2-Tetrachloroet...	50.00	50.44	101	72-120
1,1,2-Trichloroethane	50.00	45.97	92	80-116
1,1-Dichloroethane	50.00	49.35	99	75-115
1,1-Dichloroethene	50.00	54.20	108	73-129
1,1-Dichloropropene	50.00	47.98	96	75-117
1,2,3-Trichlorobenzene	50.00	45.95	92	70-127
1,2,4-Trichlorobenzene	50.00	45.37	91	70-123
1,2,4-Trimethylbenzene	50.00	42.74	85	76-126
1,2-Dibromoethane (EDB)	50.00	45.70	91	80-114
1,2-Dichlorobenzene	50.00	52.61	105	76-121
1,2-Dichloroethane	50.00	47.82	96	75-115
1,2-Dichloropropane	50.00	51.67	103	71-130
1,3,5-Trimethylbenzene	50.00	47.97	96	76-122
1,3-Dichlorobenzene	50.00	53.20	106	79-120
1,3-Dichloropropane	50.00	46.92	94	82-118
1,4-Dichlorobenzene	50.00	52.61	105	77-116
1,4-Dioxane	50.00	42.26	84	70-119
2,2-Dichloropropane	50.00	47.82	96	71-125
2-Butanone (MEK)	50.00	45.77	92	70-128
4-Chlorotoluene	50.00	52.93	106	77-117
4-Isopropyltoluene	50.00	40.84	82	71-124
4-Methyl-2-pentanone ...	50.00	42.39	85	75-121
Acetone	50.00	50.93	102	70-118
Benzene	50.00	50.47	101	77-118
Bromobenzene	50.00	53.48	107	79-116
Bromochloromethane	50.00	47.96	96	79-122

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/06/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1106

Location: Franklin, MA

Lab File ID: J32674B.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
Bromodichloromethane	50.00	48.45	97	82-127
Bromoform	50.00	52.24	104	78-122
Bromomethane	50.00	51.33	103	70-130
Carbon disulfide	50.00	53.49	107	70-130
Carbon tetrachloride	50.00	52.22	104	77-125
Chlorobenzene	50.00	50.38	101	80-118
Chloroform	50.00	46.57	93	80-113
Chloromethane	50.00	50.11	100	70-130
cis-1,2-Dichloroethene	50.00	49.09	98	85-120
cis-1,3-Dichloropropene	50.00	45.86	92	79-116
Di-isopropyl ether (D...	50.00	48.88	98	78-121
Dibromochloromethane	50.00	44.98	90	79-122
Dibromomethane	50.00	49.73	99	78-120
Ethyl tertiary-butyl ...	50.00	46.67	93	81-122
Ethylbenzene	50.00	51.69	103	84-123
Hexachlorobutadiene	50.00	49.52	99	70-121
Isopropylbenzene	50.00	50.39	101	78-120
m,p-Xylenes	100.0	112.5	112	75-129
Methyl tert-butyl eth...	50.00	44.74	89	70-127
Methylene chloride	50.00	46.85	94	72-128
n-Butylbenzene	50.00	44.20	88	70-124
n-Propylbenzene	50.00	49.80	100	80-127
Naphthalene	50.00	49.70	99	70-126
o-Xylene	50.00	50.68	101	78-118
sec-Butylbenzene	50.00	44.36	89	78-118
Styrene	50.00	51.55	103	83-124
tert-Butylbenzene	50.00	45.07	90	76-118
Tertiary-amyl methyl ...	50.00	47.56	95	81-123

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/06/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1106

Location: Franklin, MA

Lab File ID: J32674B.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
Tetrachloroethene (PCE)	50.00	47.10	94	77-122
Toluene	50.00	48.05	96	78-120
trans-1,2-Dichloroethene	50.00	49.05	98	80-120
trans-1,3-Dichloropro...	50.00	45.69	91	71-111
Trichloroethene (TCE)	50.00	49.95	100	74-119
Vinyl chloride	50.00	47.84	96	70-116

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 4  
8260B Method Blank Summary

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Lab File ID: J32677.D

Lab Sample ID: VBLK1106

Matrix: Water

Date Analyzed: 11/06/07

Instrument ID: MS8

Date Extracted:

Time Analyzed: 1111

This Method Blank Applies To The Following Samples, MD and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E711143-1	841071101-03	J32685.D	11/06/2007
2	E711143-2A	841071101-04	J32680.D	11/06/2007
3	VLCS1106	VLCS1106	J32674B.D	11/06/2007
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FORM 3  
Water MADEP VPH Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/06/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1106

Location: Franklin, MA

Lab File ID: 2110602.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
Benzene	25.00	25.55	102	70-130
Ethylbenzene	25.00	25.38	102	70-130
m,p-Xylenes	50.00	50.30	101	70-130
Methyl tert-butyl eth...	25.00	24.64	98	70-130
Naphthalene	25.00	23.29	93	70-130
o-Xylene	25.00	24.75	99	70-130
Toluene	25.00	25.14	100	70-130
Benzene #2	0.0	23.28	0.0	-
Ethylbenzene #2	0.0	26.06	0.0	-
Naphthalene #2	0.0	26.03	0.0	-
Toluene #2	0.0	24.56	0.0	-

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 3  
Water MADEP VPH Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/07/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: VLCS1106 DUP

Location: Franklin, MA

Lab File ID: 2110610.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec#	QC Limits Rec
Benzene	25.00	25.42	102	70-130
Ethylbenzene	25.00	25.34	101	70-130
m,p-Xylenes	50.00	50.32	101	70-130
Methyl tert-butyl eth...	25.00	24.96	100	70-130
Naphthalene	25.00	25.32	101	70-130
o-Xylene	25.00	24.43	98	70-130
Toluene	25.00	26.27	105	70-130
Benzene #2	0.0	26.90	0.0	-
Ethylbenzene #2	0.0	27.68	0.0	-
Naphthalene #2	0.0	29.47	0.0	-
Toluene #2	0.0	29.29	0.0	-

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits



FORM 4  
MADEP VPH Method Blank Summary

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Lab File ID: 2110604.D

Lab Sample ID: VBLK1106

Matrix: Water

Date Analyzed: 11/06/07

Instrument ID: GC2

Date Extracted:

Time Analyzed: 1611

This Method Blank Applies To The Following Samples, MD and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E711143-2B	841071101-04	2110605.D	11/06/2007
2	E711143-3B	841071101-05	2110606.D	11/06/2007
3	E711143-4B	841071101-06	2110607.D	11/06/2007
4	VLCS1106	VLCS1106	2110602.D	11/06/2007
5	VLCS1106 DUP	VLCS1106 DUP	2110610.D	11/07/2007
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FORM 3  
Soil MADEP EPH Lab Control Sample

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/07/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: LCS1106S-1

Location: Franklin, MA

Lab File ID: A23891.D

Compound	Spike Added ( )	Sample Concentration ( )	% Rec#	QC Limits Rec
2-Methylnaphthalene	4000	2027	51	40-140
Acenaphthene	4000	2152	54	40-140
Acenaphthylene	4000	2274	57	40-140
Anthracene	4000	2874	72	40-140
Benzo[a]anthracene	4000	3242	81	40-140
Benzo[a]pyrene	4000	3184	80	40-140
Benzo[b]fluoranthene	4000	3124	78	40-140
Benzo[g,h,i]perylene	4000	3179	79	40-140
Benzo[k]fluoranthene	4000	3201	80	40-140
Chrysene	4000	3064	77	40-140
Dibenz[a,h]anthracene	4000	3173	79	40-140
Fluoranthene	4000	2750	69	40-140
Fluorene	4000	2312	58	40-140
Indeno[1,2,3-cd]pyrene	4000	3128	78	40-140
Naphthalene	4000	1911	48	40-140
Phenanthrene	4000	2604	65	40-140
Pyrene	4000	2733	68	40-140

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Soil MADEP EPH Lab Control Sample Duplicate

Lab Name: Premier Laboratory, Inc    Date Analyzed: 11/07/07

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Sample No.: LCS1106S-1

Location: Franklin, MA

Lab File ID: A23892.D

Compound	Spike Added ( )	Sample Concentration ( )	% Rec#	RPD#	QC Limits	
					RPD	Rec
2-Methylnaphthalene	4000	1662	42	19.4	25	40-140
Acenaphthene	4000	1736	43	22.7	25	40-140
Acenaphthylene	4000	1811	45	23.5	25	40-140
Anthracene	4000	2312	58	21.5	25	40-140
Benzo[a]anthracene	4000	2435	61	28.2*	25	40-140
Benzo[a]pyrene	4000	2433	61	27.0*	25	40-140
Benzo[b]fluoranthene	4000	2360	59	27.7*	25	40-140
Benzo[g,h,i]perylene	4000	2345	59	29.0*	25	40-140
Benzo[k]fluoranthene	4000	2280	57	33.6*	25	40-140
Chrysene	4000	2348	59	26.5*	25	40-140
Dibenz[a,h]anthracene	4000	2316	58	30.6*	25	40-140
Fluoranthene	4000	2111	53	26.2*	25	40-140
Fluorene	4000	1860	46	23.1	25	40-140
Indeno[1,2,3-cd]pyrene	4000	2289	57	31.1*	25	40-140
Naphthalene	4000	1617	40	18.2	25	40-140
Phenanthrene	4000	2009	50	26.1*	25	40-140
Pyrene	4000	2137	53	24.8	25	40-140

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

FORM 4  
MADEP EPH Method Blank Summary

Project No.: E711143

Project: 20050458.B10/Nu-Style Phase

Lab File ID: A23893.D

Lab Sample ID: E1106BS-1

Matrix: Soil

Date Analyzed: 11/07/07

Instrument ID: GC1

Date Extracted:

Time Analyzed: 1923

This Method Blank Applies To The Following Samples, MD and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	LCS1106S-1	LCS1106S-1	A23891.D	11/07/2007
2	LCSD1106S-1	LCSD1106S-1	A23892.D	11/07/2007
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☒ 275 Promenade Street, Suite 350, Providence, RI 02908

☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

☐ Other \_\_\_\_\_

E711143

*[Signature]*

# CHAIN-OF-CUSTODY RECORD

14719

Turnaround

☐ 1 Day\*

☐ 2 Days\*

☐ 3 Days\*

☒ Standard (\_\_\_\_ days)

☐ Other \_\_\_\_\_ (days)

\*Surcharge Applies

PROJECT NAME

*Nu-Style Phase II*

PROJECT LOCATION

*Franklin, MA*

PROJECT NUMBER

*20050458-B10*

LABORATORY

*Preme*

REPORT TO:

*David Foss*

INVOICE TO:

*David Foss*

P.O. NO.:

*84120050458 B10*

Sampler's Signature:

*[Signature]*

Date: *11/1/07*

Source Codes:

MW=Monitoring Well

PW=Potable Water

S=Soil

W=Waste

SW=Surface Water

T=Treatment Facility

B=Sediment

A=Air

X=Other

*Trip Blank*

Analysis Request

Containers

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled	VOCs by EPA 8160				SVOCs by EPA 8210				Inorganic by EPA 8210				Comments
	1	2	3	4					YOC	PPB	VPH	EQH	Soil VOA Vial	Soil VOA Vial	Glass Soil Cont	Glass Soil Cont	Other	Water VOA Vial	Glass Amber (	Plastic - As Is	
1	✓	✓	✓		841071101-03	S	11/1/07	0900	✓												
2	✓	✓	✓		04	↓	↓	1100	✓	✓	✓	✓									
3	✓	✓	✓		05	↓	↓	1115	✓	✓	✓	✓									
4	✓	✓	✓		06	✓	↓	1025	✓	✓	✓	✓									
5	✓	✓	✓		07	X	✓	1215	✓											Trip Blank	

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<i>[Signature]</i>	<i>F.D. Lidge</i>	11/1/07	1600	See QAPP table for RL's - MCP Data Enhancement Project
2	<i>[Signature]</i>	<i>[Signature]</i>	11/1/07	1458	Additional Comments:
3	<i>[Signature]</i>	<i>William D. Kilcup</i>	11/1/07	1428	
4	<i>William D. Kilcup</i>	<i>[Signature]</i>	11/02/07	1536	

*Please complete data QA/QC checklist*

*1.00C*



**Modified Tier II  
Data Validation Narrative  
and Certification**

**Project: 20050458B10, Former Nu-Style Company, Inc. Facility**

**Premier Laboratory Project Number:** E711585

**Date Samples Received at Laboratory:** 11/8/2007

**Date of Review:** 12/14/2007

Ten groundwater samples, including two field duplicates, were collected from eight monitoring wells over two days. Five of the wells were sampled using low-flow methodology; the remaining five had poor recharge and therefore grab samples were collected. Samples were submitted to Premier Laboratory in Dayville, Connecticut for analysis of RCRA-8 metals by EPA Methods 6010B and 245.2, volatile organic compounds (VOCs) by EPA Method 8260B, and/or petroleum hydrocarbons by Massachusetts Extractable and Volatile Petroleum Hydrocarbon (EPH/VPH) methods of analysis. Analyses for individual samples were determined based upon constituents of concern in the area where the individual monitoring wells are located.

Dedicated sampling equipment was used; therefore, no equipment blank was indicated. Two aqueous trip blanks were submitted, one for each day of sampling. No VOCs were reported in either trip blank.

Results of primary and duplicate sample pairs were generally similar. The relative percent difference (RPD) calculated for lead in one sample pair was 46% which is above the 30% limit established by the QAPP for aqueous samples.

Surrogate recoveries were acceptable for all applicable analyses. With the exception of hexachlorobutadiene, reporting limits were low enough to compare to MADEP GW-2 and GW-3 criteria. The lowest achievable reporting limit for this compound is 0.5 µg/L.

I certify that the field and laboratory data associated with the above referenced project, to the best of my knowledge with the exceptions noted above, are compliant with the Quality Assurance Project Plan for the Former Nu-Style Company, Inc. Facility located in Franklin, Massachusetts dated September 2006.

Certified by:

  
Lynne P. Matteson  
QA/QC Officer



**PHASE II SITE ASSESSMENT  
 FORMER NU-STYLE COMPANY, INC. FACILITY  
 MODIFIED TIER I COMPLETENESS CHECKLIST**

	<u>YES</u>	<u>NO</u>
<b>1. SAMPLING AND FIELD MEASUREMENTS:</b>		
Field measurement calibration records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Groundwater field measurements (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Soil sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Sediment sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Surface water sampling field measurements (if applicable)	<input type="checkbox"/>	<input type="checkbox"/> N/A
Low-flow sampling field measurements (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Documentation of field activities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample numbering and labeling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicate samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A
<b>2. LABORATORY MEASUREMENTS:</b>		
Trip blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Instrument blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Laboratory control samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duplicates samples	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equipment blanks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Matrix spike/matrix spike duplicates	<input type="checkbox"/>	<input type="checkbox"/> N/A
Analysis type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chain-of-Custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Surrogate recoveries	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Split samples (if any)	<input type="checkbox"/>	<input type="checkbox"/> N/A

 TOTAL: 16 0

 PERCENT COMPLETE: 100 %



Premier  
Laboratory, LLC

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

## ANALYTICAL DATA REPORT

Report Number: E711585  
Project: 20050458.B10/Nu-Style Phase II

prepared for:

Fuss & O'Neill  
275 Promenade Street  
Providence, RI 02908

Attn: David Foss

Received Date: 11/8/2007  
Report Date: 11/20/2007

Premier Laboratory, LLC  
Authorized Signature



Certifications:  
CT (PH-0465), MA (M-CT008), ME (CT050), NH (2020), NJ (CT002), NY (11549), RI (RI246)





# Premier Laboratory, LLC

61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Premier Laboratory, LLC			Project #: E711585		
Project Location: Franklin, MA			MADEP RTN <sup>1</sup> :		
This Form provides certifications for the following data set:[list Laboratory Sample ID Number(s)] 1, 10, 11, 12, 2, 3, 4, 5, 6, 7, 8, 9					
Sample Matrices: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Soil/Sediment <input type="checkbox"/> Drinking Water <input type="checkbox"/> Other					
<b>MCP SW-846 Methods Used</b> As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8260B <input checked="" type="checkbox"/>	8151A <input type="checkbox"/>	8330 <input type="checkbox"/>	6010B <input checked="" type="checkbox"/>	7470A/1A <input type="checkbox"/>
	8270C <input type="checkbox"/>	8081A <input type="checkbox"/>	VPH <input checked="" type="checkbox"/>	6020 <input type="checkbox"/>	9014M <sup>2</sup> <input type="checkbox"/>
	8082 <input type="checkbox"/>	8021B <input type="checkbox"/>	EPH <input checked="" type="checkbox"/>	7000 S <sup>3</sup> <input type="checkbox"/>	7196A <input type="checkbox"/>
1 List Release Tracking Number (RTN), if known 2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method 3 S - SW-846 Methods 7000 Series List individual method and analyte.					
<b>An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status</b>					
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 (a),(b),(c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
D	<b>VPH and EPH Methods only:</b> Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>A response to questions E and F below is required for "Presumptive Certainty" status</b>					
E	Were all QC performance standards and recommendations for the specified methods achieved?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<sup>1</sup> All NO answers must be addressed in an attached Environmental Laboratory case narrative.					
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.					
Signature: _____			Position: Laboratory Director		
Printed Name: Robert Stevenson			Date: 11/20/2007		



61 Louisa Viens Drive  
Dayville, CT 06241  
FAX: 860-774-2689  
860-774-6814 800-932-1150

Report No: E711585  
Client: Fuss & O'Neill  
Project: 20050458.B10/Nu-Style Phase II

## **CASE NARRATIVE / METHOD CONFORMANCE SUMMARY**

Premier Laboratory received 12 samples from Fuss & O'Neill on 11/08/2007. The samples were analyzed from the following list of analyses:

Extractable Petroleum Hydrocarbon (EPH)

MADEP EPH[MADEP EPH]

Trace Metals by 6010B

6010B[3000]

Volatiles by 8260B (GA/GW-1/S-1)

8260B

Mercury by 245.2 in DW/WW

245.2[245.1]

Volatile Petroleum Hydrocarbon (VPH)

MADEP VPH

### **Variances:**

#### **SDG:**

The lowest requested standard for Hexachlorobutadiene of 0.45 ug/L was not achieved. The lowest possible detection limit of 0.5 ug/L for Hexachlorobutadiene was reported.

#### **Method:**

None reported.

#### **QA/QC:**

None reported.

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E711585  
 Date Received: 11/8/2007

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
(1) 841071106-01						
<u>Date Collected: 11/6/2007</u>		<u>Matrix: Aqueous</u>				
Trace Metals by 6010B						
Arsenic	ND	0.0050	mg/L	11/15/07	13:51	AMM
Barium	0.060	0.0020	mg/L	11/15/07	13:51	AMM
Cadmium	ND	0.0020	mg/L	11/15/07	13:51	AMM
Chromium	ND	0.0020	mg/L	11/15/07	13:51	AMM
Lead	ND	0.0020	mg/L	11/15/07	13:51	AMM
Selenium	ND	0.0050	mg/L	11/15/07	13:51	AMM
Silver	ND	0.0020	mg/L	11/15/07	13:51	AMM
Mercury by 245.2 in DW/WW	ND	0.00020	mg/L	11/15/07		KAW
(2) 841071106-02						
<u>Date Collected: 11/6/2007</u>		<u>Matrix: Aqueous</u>				
Trace Metals by 6010B						
Arsenic	ND	0.0050	mg/L	11/15/07	13:53	AMM
Barium	0.061	0.0020	mg/L	11/15/07	13:53	AMM
Cadmium	ND	0.0020	mg/L	11/15/07	13:53	AMM
Chromium	ND	0.0020	mg/L	11/15/07	13:53	AMM
Lead	ND	0.0020	mg/L	11/15/07	13:53	AMM
Selenium	ND	0.0050	mg/L	11/15/07	13:53	AMM
Silver	ND	0.0020	mg/L	11/15/07	13:53	AMM
Mercury by 245.2 in DW/WW	ND	0.00020	mg/L	11/15/07		KAW
(3) 841071106-03						
<u>Date Collected: 11/6/2007</u>		<u>Matrix: Aqueous</u>				
Trace Metals by 6010B						
Arsenic	ND	0.0050	mg/L	11/15/07	13:54	AMM
Barium	0.031	0.0020	mg/L	11/15/07	13:54	AMM
Cadmium	ND	0.0020	mg/L	11/15/07	13:54	AMM
Chromium	0.0029	0.0020	mg/L	11/15/07	13:54	AMM
Lead	0.0066	0.0020	mg/L	11/15/07	13:54	AMM
Selenium	ND	0.0050	mg/L	11/15/07	13:54	AMM
Silver	ND	0.0020	mg/L	11/15/07	13:54	AMM
Mercury by 245.2 in DW/WW	ND	0.00020	mg/L	11/15/07		KAW

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E711585  
 Date Received: 11/8/2007

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
(4) 841071106-04						
<u>Date Collected: 11/6/2007</u>		<u>Matrix: Aqueous</u>				
Trace Metals by 6010B						
Arsenic	ND	0.0050	mg/L	11/15/07	13:56	AMM
Barium	0.12	0.0020	mg/L	11/15/07	13:56	AMM
Cadmium	ND	0.0020	mg/L	11/15/07	13:56	AMM
Chromium	ND	0.0020	mg/L	11/15/07	13:56	AMM
Lead	ND	0.0020	mg/L	11/15/07	13:56	AMM
Selenium	ND	0.0050	mg/L	11/15/07	13:56	AMM
Silver	ND	0.0020	mg/L	11/15/07	13:56	AMM
Mercury by 245.2 in DW/WW	ND	0.00020	mg/L	11/15/07		KAW
(5) 841071106-05						
<u>Date Collected: 11/6/2007</u>		<u>Matrix: Aqueous</u>				
Trace Metals by 6010B						
Arsenic	ND	0.0050	mg/L	11/15/07	13:58	AMM
Barium	0.24	0.0020	mg/L	11/15/07	13:58	AMM
Cadmium	ND	0.0020	mg/L	11/15/07	13:58	AMM
Chromium	ND	0.0020	mg/L	11/15/07	13:58	AMM
Lead	0.0033	0.0020	mg/L	11/15/07	13:58	AMM
Selenium	ND	0.0050	mg/L	11/15/07	13:58	AMM
Silver	ND	0.0020	mg/L	11/15/07	13:58	AMM
Mercury by 245.2 in DW/WW	ND	0.00020	mg/L	11/15/07		KAW
(6) 841071106-06						
<u>Date Collected: 11/6/2007</u>		<u>Matrix: Aqueous</u>				
Trace Metals by 6010B						
Arsenic	ND	0.0050	mg/L	11/15/07	14:00	AMM
Barium	0.25	0.0020	mg/L	11/15/07	14:00	AMM
Cadmium	ND	0.0020	mg/L	11/15/07	14:00	AMM
Chromium	ND	0.0020	mg/L	11/15/07	14:00	AMM
Lead	0.0053	0.0020	mg/L	11/15/07	14:00	AMM
Selenium	ND	0.0050	mg/L	11/15/07	14:00	AMM
Silver	ND	0.0020	mg/L	11/15/07	14:00	AMM
Mercury by 245.2 in DW/WW	ND	0.00020	mg/L	11/15/07		KAW

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
 PL Report No: E711585  
 Date Received: 11/8/2007

Customer: Fuss & O'Neill  
 Location: Franklin, MA  
 Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
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**(8) 841071107-08**

**Date Collected: 11/7/2007**      **Matrix: Aqueous**

Trace Metals by 6010B

Arsenic	ND	0.0050	mg/L	11/15/07	14:20	AMM
Barium	0.11	0.0020	mg/L	11/15/07	14:20	AMM
Cadmium	ND	0.0020	mg/L	11/15/07	14:20	AMM
Chromium	ND	0.0020	mg/L	11/15/07	14:20	AMM
Lead	ND	0.0020	mg/L	11/15/07	14:20	AMM
Selenium	ND	0.0050	mg/L	11/15/07	14:20	AMM
Silver	ND	0.0020	mg/L	11/15/07	14:20	AMM
Mercury by 245.2 in DW/WW	ND	0.00020	mg/L	11/15/07		KAW

**(9) 841071107-09**

**Date Collected: 11/7/2007**      **Matrix: Aqueous**

Trace Metals by 6010B, Dissolved

Arsenic	ND	0.0050	mg/L	11/15/07		AMM
Barium	0.39	0.0020	mg/L	11/15/07		AMM
Cadmium	ND	0.0020	mg/L	11/15/07		AMM
Chromium	ND	0.0020	mg/L	11/15/07		AMM
Lead	0.094	0.0020	mg/L	11/15/07		AMM
Selenium	ND	0.0050	mg/L	11/15/07		AMM
Silver	ND	0.0020	mg/L	11/15/07		AMM
Mercury by 245.2 in DW/WW, Dissolved	ND	0.00020	mg/L	11/15/07		KAW

**(10) 841071107-10**

**Date Collected: 11/7/2007**      **Matrix: Aqueous**

Trace Metals by 6010B, Dissolved

Arsenic	ND	0.0050	mg/L	11/15/07		AMM
Barium	0.18	0.0020	mg/L	11/15/07		AMM
Cadmium	ND	0.0020	mg/L	11/15/07		AMM
Chromium	ND	0.0020	mg/L	11/15/07		AMM
Lead	0.0026	0.0020	mg/L	11/15/07		AMM
Selenium	ND	0.0050	mg/L	11/15/07		AMM
Silver	ND	0.0020	mg/L	11/15/07		AMM
Mercury by 245.2 in DW/WW, Dissolved	ND	0.00020	mg/L	11/15/07		KAW

# INORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC  
PL Report No: E711585  
Date Received: 11/8/2007

Customer: Fuss & O'Neill  
Location: Franklin, MA  
Project: 20050458.B10/Nu-Style Phase II

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(11) 841071107-11</b>						
<b><u>Date Collected: 11/7/2007</u>      <u>Matrix: Aqueous</u></b>						
Trace Metals by 6010B, Dissolved						
Arsenic	ND	0.0050	mg/L	11/15/07	AMM	
Barium	0.17	0.0020	mg/L	11/15/07	AMM	
Cadmium	ND	0.0020	mg/L	11/15/07	AMM	
Chromium	ND	0.0020	mg/L	11/15/07	AMM	
Lead	0.0060	0.0020	mg/L	11/15/07	AMM	
Selenium	ND	0.0050	mg/L	11/15/07	AMM	
Silver	ND	0.0020	mg/L	11/15/07	AMM	
Mercury by 245.2 in DW/WW, Dissolved	ND	0.00020	mg/L	11/15/07	KAW	

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E711585	Location:	Franklin, MA
PL Sample No:	1	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841071106-01
		Dilution (Target):	1
Date Collected:	11/6/2007	Matrix:	Aqueous
Date Received:	11/8/2007	Percent Moisture:	N/A
Date Analyzed:	-11/16/07	Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	1	ND	100	ug/L
C9-C12 Aliphatics**	1	ND	100	ug/L
C9-C10 Aromatics***	1	ND	100	ug/L

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene #2	93	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
Naphthalene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
m,p-Xylenes	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 1

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-01

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32815.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 1 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-01

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32815.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	ND	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0
Surrogate	Recovery	Limits	
1,2-Dichloroethane-d4	101%	89%-113%	
Bromofluorobenzene	86%	83%-107%	
Toluene-d8	99%	88%-108%	

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E711585	Location:	Franklin, MA
PL Sample No:	2	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841071106-02
		Dilution (Target):	1
Date Collected:	11/6/2007	Matrix:	Aqueous
Date Received:	11/8/2007	Percent Moisture:	N/A
Date Analyzed:	-11/16/07	Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	1	ND	100	ug/L
C9-C12 Aliphatics**	1	ND	100	ug/L
C9-C10 Aromatics***	1	ND	100	ug/L

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene #2	100	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
Naphthalene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
m,p-Xylenes	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 2

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-02

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32816.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 2 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-02

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32816.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	ND	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0
Surrogate	Recovery	Limits	
1,2-Dichloroethane-d4	103%	89%-113%	
Bromofluorobenzene	87%	83%-107%	
Toluene-d8	93%	88%-108%	

### VOLATILE PETROLEUM HYDROCARBON (VPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E711585	Location:	Franklin, MA
PL Sample No:	3	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841071106-03
		Dilution (Target):	1
Date Collected:	11/6/2007	Matrix:	Aqueous
Date Received:	11/8/2007	Percent Moisture:	N/A
Date Analyzed:	-11/16/07	Method:	MADEP VPH
		Ext Method:	5030B

### (VPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C5-C8 Aliphatics*	1	ND	100	ug/L
C9-C12 Aliphatics**	1	ND	100	ug/L
C9-C10 Aromatics***	1	ND	100	ug/L

\* Excludes MTBE, Benzene, and Toluene

\*\* Excludes Ethylbenzene, Xylenes

\*\*\* Excludes Naphthalene

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
2,5-dibromotoluene #2	93	70%-130%

### TARGETED VPH ANALYTES

Analyte	Results	QL	Units
Benzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
Naphthalene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
m,p-Xylenes	ND	5.0	ug/L
o-Xylene	ND	5.0	ug/L

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 3

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-03

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32817.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 3 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-03

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32817.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	ND	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0
Surrogate	Recovery	Limits	
1,2-Dichloroethane-d4	105%	89%-113%	
Bromofluorobenzene	86%	83%-107%	
Toluene-d8	98%	88%-108%	

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 4

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-04

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32818.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 4 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-04

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32818.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	12	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	20	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	105%	89%-113%
Bromofluorobenzene	89%	83%-107%
Toluene-d8	96%	88%-108%

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 5

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-05

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32819.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 5 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-05

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32819.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	1.5	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	290	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	60	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0
Surrogate	Recovery	Limits	
1,2-Dichloroethane-d4	102%	89%-113%	
Bromofluorobenzene	87%	83%-107%	
Toluene-d8	98%	88%-108%	

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 6

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-06

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/14/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57868

Lab Data File: J32827.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 6 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-06

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/14/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57868

Lab Data File: J32827.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	1.4	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	260	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	56	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0
Surrogate	Recovery	Limits	
1,2-Dichloroethane-d4	100%	89%-113%	
Bromofluorobenzene	88%	83%-107%	
Toluene-d8	99%	88%-108%	

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 7

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-07

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32804.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 7 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071106-07

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32804.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	ND	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	102%	89%-113%
Bromofluorobenzene	88%	83%-107%
Toluene-d8	96%	88%-108%

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 8

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071107-08

Date Collected: 11/7/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/14/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57868

Lab Data File: J32828.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 8 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071107-08

Date Collected: 11/7/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/14/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57868

Lab Data File: J32828.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	41	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	45	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0
Surrogate	Recovery	Limits	
1,2-Dichloroethane-d4	103%	89%-113%	
Bromofluorobenzene	88%	83%-107%	
Toluene-d8	96%	88%-108%	

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 9

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071107-09

Date Collected: 11/7/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/14/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57868

Lab Data File: J32829.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 9 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071107-09

Date Collected: 11/7/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/14/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57868

Lab Data File: J32829.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	1.3	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0
Surrogate	Recovery	Limits	
1,2-Dichloroethane-d4	102%	89%-113%	
Bromofluorobenzene	88%	83%-107%	
Toluene-d8	100%	88%-108%	

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 10

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071107-10

Date Collected: 11/7/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/14/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57868

Lab Data File: J32830.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	1.7	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 10 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071107-10

Date Collected: 11/7/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/14/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57868

Lab Data File: J32830.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	23	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	25	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0
Surrogate	Recovery	Limits	
1,2-Dichloroethane-d4	100%	89%-113%	
Bromofluorobenzene	87%	83%-107%	
Toluene-d8	96%	88%-108%	

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 11

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071107-11

Date Collected: 11/7/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/14/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57868

Lab Data File: J32831.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 11 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071107-11

Date Collected: 11/7/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/14/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57868

Lab Data File: J32831.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	74	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	59	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0

Surrogate	Recovery	Limits
1,2-Dichloroethane-d4	102%	89%-113%
Bromofluorobenzene	88%	83%-107%
Toluene-d8	96%	88%-108%

# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 12

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071107-12

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32805.D

Units: ug/L

CAS No.	Parameter	Result	DL
67-64-1	Acetone	ND	10
107-13-1	Acrylonitrile	ND	0.50
71-43-2	Benzene	ND	1.0
108-86-1	Bromobenzene	ND	1.0
74-97-5	Bromochloromethane	ND	1.0
75-27-4	Bromodichloromethane	ND	0.50
75-25-2	Bromoform	ND	1.0
74-83-9	Bromomethane	ND	1.0
78-93-3	2-Butanone (MEK)	ND	5.0
104-51-8	n-Butylbenzene	ND	1.0
135-98-8	sec-Butylbenzene	ND	1.0
98-06-6	tert-Butylbenzene	ND	1.0
75-15-0	Carbon disulfide	ND	1.0
56-23-5	Carbon tetrachloride	ND	1.0
108-90-7	Chlorobenzene	ND	1.0
75-00-3	Chloroethane	ND	1.0
67-66-3	Chloroform	ND	1.0
74-87-3	Chloromethane	ND	1.0
95-49-8	2-Chlorotoluene	ND	1.0
106-43-4	4-Chlorotoluene	ND	1.0
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50
124-48-1	Dibromochloromethane	ND	0.50
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50
74-95-3	Dibromomethane	ND	1.0
95-50-1	1,2-Dichlorobenzene	ND	1.0
541-73-1	1,3-Dichlorobenzene	ND	1.0
106-46-7	1,4-Dichlorobenzene	ND	1.0
75-71-8	Dichlorodifluoromethane	ND	1.0
75-34-3	1,1-Dichloroethane	ND	1.0
107-06-2	1,2-Dichloroethane	ND	1.0
75-35-4	1,1-Dichloroethene	ND	1.0
156-59-2	cis-1,2-Dichloroethene	ND	1.0
156-60-5	trans-1,2-Dichloroethene	ND	1.0
78-87-5	1,2-Dichloropropane	ND	1.0
142-28-9	1,3-Dichloropropane	ND	1.0
590-20-7	2,2-Dichloropropane	ND	1.0
563-58-6	1,1-Dichloropropene	ND	1.0
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
60-29-7	Diethyl ether	ND	1.0
123-91-1	1,4-Dioxane	ND	20



# VOLATILE ORGANIC ANALYSIS DATA SHEET

Laboratory: Premier Laboratory, LLC

Customer: Fuss & O'Neill

PL Report No: E711585

Location: Franklin, MA

PL Sample No: 12 (continued)

Project: 20050458.B10/Nu-Style Phase II

Sample Description: 841071107-12

Date Collected: 11/6/2007

Matrix: Aqueous

Date Received: 11/8/2007

Percent Moisture: N/A

Date Extracted: By:

Sample Weight/Volume:

Date Analyzed: 11/13/07 By: DDD

Dilution Factor: 1

Method: 8260B

Soil Extract Volume:

QC Batch#: 57819

Lab Data File: J32805.D

Units: ug/L

CAS No.	Parameter	Result	DL
100-41-4	Ethylbenzene	ND	1.0
87-68-3	Hexachlorobutadiene	ND	0.50
591-78-6	2-Hexanone	ND	5.0
98-82-8	Isopropylbenzene	ND	1.0
99-87-6	4-Isopropyltoluene	ND	1.0
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0
75-09-2	Methylene chloride	ND	5.0
91-20-3	Naphthalene	ND	1.0
103-65-1	n-Propylbenzene	ND	1.0
100-42-5	Styrene	ND	1.0
109-99-9	Tetrahydrofuran	ND	1.0
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0
96-18-4	1,2,3-Trichloropropane	ND	1.0
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethene (PCE)	ND	1.0
108-88-3	Toluene	ND	1.0
87-61-6	1,2,3-Trichlorobenzene	ND	1.0
120-82-1	1,2,4-Trichlorobenzene	ND	1.0
71-55-6	1,1,1-Trichloroethane	ND	1.0
79-00-5	1,1,2-Trichloroethane	ND	1.0
79-01-6	Trichloroethene (TCE)	ND	1.0
75-69-4	Trichlorofluoromethane	ND	1.0
95-63-6	1,2,4-Trimethylbenzene	ND	1.0
108-67-8	1,3,5-Trimethylbenzene	ND	1.0
75-01-4	Vinyl chloride	ND	1.0
95-47-6	o-Xylene	ND	1.0
108-38-3	m,p-Xylenes	ND	1.0
Surrogate	Recovery	Limits	
1,2-Dichloroethane-d4	103%	89%-113%	
Bromofluorobenzene	89%	83%-107%	
Toluene-d8	98%	88%-108%	

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E711585	Location:	Franklin, MA
PL Sample No:	1	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841071106-01
		Dilution (Target):	1
Date Collected:	11/6/2007		
Date Received:	11/8/2007	Matrix:	Aqueous
Date Extracted:	11/12/07	Percent Moisture:	N/A
Date Analyzed:	-11/12/07	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	100	ug/L
C19-C36 Aliphatics	1	ND	100	ug/L
C11-C22 Aromatics*	1	ND	100	ug/L

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	78	40%-140%
2-Bromonaphthalene	NA	40%-140%
2-Fluorobiphenyl	NA	40%-140%
o-Terphenyl	116	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	1.0	ug/L
Acenaphthene	ND	1.0	ug/L
Acenaphthylene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Benzo[a]anthracene	ND	1.0	ug/L
Benzo[a]pyrene	ND	0.20	ug/L
Benzo[b]fluoranthene	ND	1.0	ug/L
Benzo[g,h,i]perylene	ND	0.50	ug/L
Benzo[k]fluoranthene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
Dibenz[a,h]anthracene	ND	0.50	ug/L
Fluoranthene	ND	1.0	ug/L
Fluorene	ND	1.0	ug/L
Indeno[1,2,3-cd]pyrene	ND	0.50	ug/L
Naphthalene	ND	1.0	ug/L
Phenanthrene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E711585	Location:	Franklin, MA
PL Sample No:	2	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841071106-02
		Dilution (Target):	1
Date Collected:	11/6/2007		
Date Received:	11/8/2007	Matrix:	Aqueous
Date Extracted:	11/12/07	Percent Moisture:	N/A
Date Analyzed:	-11/12/07	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	100	ug/L
C19-C36 Aliphatics	1	ND	100	ug/L
C11-C22 Aromatics*	1	ND	100	ug/L

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	66	40%-140%
2-Bromonaphthalene	NA	40%-140%
2-Fluorobiphenyl	NA	40%-140%
o-Terphenyl	94	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	1.0	ug/L
Acenaphthene	ND	1.0	ug/L
Acenaphthylene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Benzo[a]anthracene	ND	1.0	ug/L
Benzo[a]pyrene	ND	0.20	ug/L
Benzo[b]fluoranthene	ND	1.0	ug/L
Benzo[g,h,i]perylene	ND	0.50	ug/L
Benzo[k]fluoranthene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
Dibenz[a,h]anthracene	ND	0.50	ug/L
Fluoranthene	ND	1.0	ug/L
Fluorene	ND	1.0	ug/L
Indeno[1,2,3-cd]pyrene	ND	0.50	ug/L
Naphthalene	ND	1.0	ug/L
Phenanthrene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L

### EXTRACTABLE PETROLEUM HYDROCARBON (EPH)

Laboratory:	Premier Laboratory, LLC	Client:	Fuss & O'Neill
PL Report No:	E711585	Location:	Franklin, MA
PL Sample No:	3	Project:	20050458.B10/Nu-Style Phase II
Preservative	HCL	Sample Description:	841071106-03
		Dilution (Target):	1
Date Collected:	11/6/2007		
Date Received:	11/8/2007	Matrix:	Aqueous
Date Extracted:	11/12/07	Percent Moisture:	N/A
Date Analyzed:	-11/12/07	Method:	MADEP EPH
		Ext Method:	3545

### (EPH) RANGE RESULTS

Parameter	Parameter Dilution	Results	QL	Units
C9-C18 Aliphatics	1	ND	100	ug/L
C19-C36 Aliphatics	1	ND	100	ug/L
C11-C22 Aromatics*	1	ND	100	ug/L

\* Excludes Targeted PAH Analytes

### SURROGATE RECOVERIES

Surrogate	%Recovery	Acceptance Range
1-Chlorooctadecane	69	40%-140%
2-Bromonaphthalene	NA	40%-140%
2-Fluorobiphenyl	NA	40%-140%
o-Terphenyl	104	40%-140%

### TARGETED PAH ANALYTES

Analyte	Results	QL	Units
2-Methylnaphthalene	ND	1.0	ug/L
Acenaphthene	ND	1.0	ug/L
Acenaphthylene	ND	1.0	ug/L
Anthracene	ND	1.0	ug/L
Benzo[a]anthracene	ND	1.0	ug/L
Benzo[a]pyrene	ND	0.20	ug/L
Benzo[b]fluoranthene	ND	1.0	ug/L
Benzo[g,h,i]perylene	ND	0.50	ug/L
Benzo[k]fluoranthene	ND	1.0	ug/L
Chrysene	ND	1.0	ug/L
Dibenz[a,h]anthracene	ND	0.50	ug/L
Fluoranthene	ND	1.0	ug/L
Fluorene	ND	1.0	ug/L
Indeno[1,2,3-cd]pyrene	ND	0.50	ug/L
Naphthalene	ND	1.0	ug/L
Phenanthrene	ND	1.0	ug/L
Pyrene	ND	1.0	ug/L

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/13/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: VLCS1113

Location: Franklin, MA

Lab File ID: J32799.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
1,1,1,2-Tetrachloroethane	50.00	51.91	104	79-115
1,1,1-Trichloroethane	50.00	56.37	113	77-123
1,1,2,2-Tetrachloroethane	50.00	48.58	97	72-120
1,1,2-Trichloroethane	50.00	52.59	105	80-114
1,1-Dichloroethane	50.00	52.08	104	80-114
1,1-Dichloroethene	50.00	53.40	107	75-128
1,1-Dichloropropene	50.00	54.77	110	75-117
1,2,3-Trichlorobenzene	50.00	57.60	115	70-127
1,2,4-Trichlorobenzene	50.00	56.08	112	70-123
1,2,4-Trimethylbenzene	50.00	49.42	99	76-126
1,2-Dibromoethane (EDB)	50.00	53.76	108	82-118
1,2-Dichlorobenzene	50.00	48.74	97	76-121
1,2-Dichloroethane	50.00	52.78	106	75-115
1,2-Dichloropropane	50.00	53.83	108	71-130
1,3,5-Trimethylbenzene	50.00	52.54	105	76-122
1,3-Dichlorobenzene	50.00	47.88	96	79-120
1,3-Dichloropropane	50.00	53.66	107	82-118
1,4-Dichlorobenzene	50.00	47.00	94	77-116
1,4-Dioxane	50.00	52.06	104	70-119
2,2-Dichloropropane	50.00	58.48	117	71-125
2-Butanone (MEK)	50.00	43.24	86	70-128
4-Chlorotoluene	50.00	48.53	97	77-117
4-Isopropyltoluene	50.00	47.06	94	78-124
4-Methyl-2-pentanone (MIBK)	50.00	40.64	81	75-121
Acetone	50.00	46.56	93	70-118
Benzene	50.00	53.41	107	77-118
Bromobenzene	50.00	49.86	100	79-116
Bromochloromethane	50.00	56.85	114	80-122

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/13/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: VLCS1113

Location: Franklin, MA

Lab File ID: J32799.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Bromodichloromethane	50.00	52.84	106	82-127
Bromoform	50.00	47.79	96	78-122
Bromomethane	50.00	49.13	98	70-130
Carbon disulfide	50.00	44.61	89	70-130
Carbon tetrachloride	50.00	49.86	100	77-125
Chlorobenzene	50.00	51.05	102	80-118
Chloroform	50.00	53.55	107	80-113
Chloromethane	50.00	44.36	89	70-130
cis-1,2-Dichloroethene	50.00	53.68	107	85-120
cis-1,3-Dichloropropene	50.00	53.26	106	79-116
Di-isopropyl ether (DIPE)	50.00	44.12	88	78-121
Dibromochloromethane	50.00	51.74	103	79-122
Dibromomethane	50.00	55.36	111	78-120
Ethyl tertiary-butyl ether (EtBE)	50.00	40.66	81	81-122
Ethylbenzene	50.00	55.16	110	84-123
Hexachlorobutadiene	50.00	46.71	93	70-121
Isopropylbenzene	50.00	52.30	105	78-120
m,p-Xylenes	100.0	108.8	109	75-129
Methyl tert-butyl ether (MTBE)	50.00	46.32	93	70-127
Methylene chloride	50.00	48.66	97	72-128
n-Butylbenzene	50.00	51.38	103	70-124
n-Propylbenzene	50.00	53.08	106	80-127
Naphthalene	50.00	54.02	108	70-126
o-Xylene	50.00	51.22	102	78-118
sec-Butylbenzene	50.00	48.99	98	78-118
Styrene	50.00	50.60	101	83-124
tert-Butylbenzene	50.00	51.64	103	76-118
Tertiary-amyl methyl ether (TAME)	50.00	42.46	85	81-123

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/13/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: VLCS1113

Location: Franklin, MA

Lab File ID: J32799.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Tetrachloroethene (PCE)	50.00	52.86	106	77-122
Toluene	50.00	53.03	106	78-120
trans-1,2-Dichloroethene	50.00	51.41	103	80-120
trans-1,3-Dichloropropene	50.00	45.16	90	71-111
Trichloroethene (TCE)	50.00	54.97	110	74-118
Vinyl chloride	50.00	46.46	93	70-116

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/14/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: VLCS1114

Location: Franklin, MA

Lab File ID: J32823.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
1,1,1,2-Tetrachloroethane	50.00	52.23	104	79-115
1,1,1-Trichloroethane	50.00	52.41	105	77-123
1,1,2,2-Tetrachloroethane	50.00	51.17	102	72-120
1,1,2-Trichloroethane	50.00	52.61	105	80-114
1,1-Dichloroethane	50.00	49.18	98	80-114
1,1-Dichloroethene	50.00	53.70	107	75-128
1,1-Dichloropropene	50.00	50.68	101	75-117
1,2,3-Trichlorobenzene	50.00	59.88	120	70-127
1,2,4-Trichlorobenzene	50.00	57.79	116	70-123
1,2,4-Trimethylbenzene	50.00	49.10	98	76-126
1,2-Dibromoethane (EDB)	50.00	51.65	103	82-118
1,2-Dichlorobenzene	50.00	51.06	102	76-121
1,2-Dichloroethane	50.00	50.83	102	75-115
1,2-Dichloropropane	50.00	50.65	101	71-130
1,3,5-Trimethylbenzene	50.00	50.44	101	76-122
1,3-Dichlorobenzene	50.00	49.28	98	79-120
1,3-Dichloropropane	50.00	52.48	105	82-118
1,4-Dichlorobenzene	50.00	48.90	98	77-116
1,4-Dioxane	50.00	52.73	105	70-119
2,2-Dichloropropane	50.00	56.22	112	71-125
2-Butanone (MEK)	50.00	49.02	98	70-128
4-Chlorotoluene	50.00	48.34	97	77-117
4-Isopropyltoluene	50.00	49.52	99	78-124
4-Methyl-2-pentanone (MIBK)	50.00	45.16	90	75-121
Acetone	50.00	47.94	96	70-118
Benzene	50.00	48.76	98	77-118
Bromobenzene	50.00	49.47	99	79-116
Bromochloromethane	50.00	52.95	106	80-122

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits



FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/14/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: VLCS1114

Location: Franklin, MA

Lab File ID: J32823.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Bromodichloromethane	50.00	51.82	104	82-127
Bromoform	50.00	50.98	102	78-122
Bromomethane	50.00	51.64	103	70-130
Carbon disulfide	50.00	47.41	95	70-130
Carbon tetrachloride	50.00	55.70	111	77-125
Chlorobenzene	50.00	50.04	100	80-118
Chloroform	50.00	50.00	100	80-113
Chloromethane	50.00	47.30	95	70-130
cis-1,2-Dichloroethene	50.00	51.44	103	85-120
cis-1,3-Dichloropropene	50.00	51.10	102	79-116
Di-isopropyl ether (DIPE)	50.00	49.54	99	78-121
Dibromochloromethane	50.00	53.17	106	79-122
Dibromomethane	50.00	52.08	104	78-120
Ethyl tertiary-butyl ether (EtBE)	50.00	45.85	92	81-122
Ethylbenzene	50.00	52.29	104	84-123
Hexachlorobutadiene	50.00	47.69	95	70-121
Isopropylbenzene	50.00	50.14	100	78-120
m,p-Xylenes	100.0	105.6	106	75-129
Methyl tert-butyl ether (MTBE)	50.00	50.72	101	70-127
Methylene chloride	50.00	46.78	94	72-128
n-Butylbenzene	50.00	51.81	104	70-124
n-Propylbenzene	50.00	51.38	103	80-127
Naphthalene	50.00	57.64	115	70-126
o-Xylene	50.00	51.56	103	78-118
sec-Butylbenzene	50.00	50.96	102	78-118
Styrene	50.00	50.50	101	83-124
tert-Butylbenzene	50.00	51.80	104	76-118
Tertiary-amyl methyl ether (TAME)	50.00	44.14	88	81-123

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/14/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: VLCS1114

Location: Franklin, MA

Lab File ID: J32823.D (continued)

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Tetrachloroethene (PCE)	50.00	50.30	101	77-122
Toluene	50.00	49.44	99	78-120
trans-1,2-Dichloroethene	50.00	51.53	103	80-120
trans-1,3-Dichloropropene	50.00	47.24	94	71-111
Trichloroethene (TCE)	50.00	51.68	103	74-118
Vinyl chloride	50.00	49.81	100	70-116

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 4  
8260B Method Blank Summary

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Lab File ID: J32802.D

Lab Sample ID: VBLK1113

Matrix: Water

Date Analyzed: 11/13/07

Instrument ID: MS8

Date Extracted:

Time Analyzed: 1112

This Method Blank Applies To The Following Samples, MD and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E711585-1A	841071106-01	J32815.D	11/13/2007
2	E711585-2A	841071106-02	J32816.D	11/13/2007
3	E711585-3A	841071106-03	J32817.D	11/13/2007
4	E711585-4A	841071106-04	J32818.D	11/13/2007
5	E711585-5A	841071106-05	J32819.D	11/13/2007
6	E711585-7	841071106-07	J32804.D	11/13/2007
7	E711585-12	841071107-12	J32805.D	11/13/2007
8	VLCS1113	VLCS1113	J32799.D	11/13/2007
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FORM 4  
8260B Method Blank Summary

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Lab File ID: J32826.D

Lab Sample ID: VELK1114

Matrix: Water

Date Analyzed: 11/14/07

Instrument ID: MS8

Date Extracted:

Time Analyzed: 1103

This Method Blank Applies To The Following Samples, MD and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E711585-6A	841071106-06	J32827.D	11/14/2007
2	E711585-8A	841071107-08	J32828.D	11/14/2007
3	E711585-9A	841071107-09	J32829.D	11/14/2007
4	E711585-10A	841071107-10	J32830.D	11/14/2007
5	E711585-11A	841071107-11	J32831.D	11/14/2007
6	VLCS1114	VLCS1114	J32823.D	11/14/2007
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FORM 3  
Water MADEP VPH Lab Control Sample

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/16/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: VLCS1116

Location: Franklin, MA

Lab File ID: 2111623.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Benzene	25.00	24.67	99	70-130
Ethylbenzene	25.00	24.51	98	70-130
m,p-Xylenes	50.00	48.09	96	70-130
Methyl tert-butyl ether (MTBE)	25.00	23.49	94	70-130
Naphthalene	25.00	21.57	86	70-130
o-Xylene	25.00	23.82	95	70-130
Toluene	25.00	24.10	96	70-130
Benzene #2	25.00	23.55	94	70-130
Ethylbenzene #2	25.00	24.21	97	70-130
Naphthalene #2	25.00	21.58	86	70-130
Toluene #2	25.00	23.77	95	70-130

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 3  
Water MADEP VPH Lab Control Sample

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/16/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: VLCS1116 DUP

Location: Franklin, MA

Lab File ID: 2111634.D

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Benzene	25.00	23.71	95	70-130
Ethylbenzene	25.00	23.89	96	70-130
m,p-Xylenes	50.00	46.67	93	70-130
Methyl tert-butyl ether (MTBE)	25.00	23.34	93	70-130
Naphthalene	25.00	23.19	93	70-130
o-Xylene	25.00	23.14	92	70-130
Toluene	25.00	23.32	93	70-130
Benzene #2	25.00	24.23	97	70-130
Ethylbenzene #2	25.00	23.85	95	70-130
Naphthalene #2	25.00	23.10	92	70-130
Toluene #2	25.00	23.71	95	70-130

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 4  
MADEP VPH Method Blank Summary

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Lab File ID: 2111622.D

Lab Sample ID: VELK1116

Matrix: Water

Date Analyzed: 11/16/07

Instrument ID: GC2

Date Extracted:

Time Analyzed: 1631

This Method Blank Applies To The Following Samples, MD and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E711585-1A	841071106-01	2111625.D	11/16/2007
2	E711585-2A	841071106-02	2111626.D	11/16/2007
3	E711585-3A	841071106-03	2111627.D	11/16/2007
4	VLCS1116	VLCS1116	2111623.D	11/16/2007
5	VLCS1116 DUP	VLCS1116 DUP	2111634.D	11/16/2007
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FORM 3  
Water MADEP EPH Lab Control Sample

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/12/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: LCS1112A-1

Location: Franklin, MA

Lab File ID: A23912.D

Compound	Spike Added ( )	Sample Concentration ( )	% Rec #	QC Limits Rec
2-Methylnaphthalene	40.00	34.30	86	40-140
Acenaphthene	40.00	32.28	81	40-140
Acenaphthylene	40.00	32.67	82	40-140
Anthracene	40.00	38.44	96	40-140
Benzo[a]anthracene	40.00	35.43	88	40-140
Benzo[a]pyrene	40.00	35.89	90	40-140
Benzo[b]fluoranthene	40.00	35.20	88	40-140
Benzo[g,h,i]perylene	40.00	41.55	104	40-140
Benzo[k]fluoranthene	40.00	34.60	86	40-140
Chrysene	40.00	33.86	85	40-140
Decane	40.00	38.21	96	40-140
Dibenz[a,h]anthracene	40.00	39.53	99	40-140
Docosane	40.00	42.90	107	40-140
Dodecane	40.00	40.94	102	40-140
Eicosane	40.00	43.01	108	40-140
Fluoranthene	40.00	34.25	86	40-140
Fluorene	40.00	32.83	82	40-140
Hexacosane	40.00	41.85	105	40-140
Hexadecane	40.00	40.15	100	40-140
Hexatriacontane	40.00	56	140	40-140
Indeno[1,2,3-cd]pyrene	40.00	40.08	100	40-140
Naphthalene	40.00	34.52	86	40-140
Nonadecane	40.00	42.87	107	40-140
Nonane	40.00	37.03	92	30-140
Octacosane	40.00	40.95	102	40-140
Octadecane	40.00	43.85	110	40-140
Phenanthrene	40.00	29.67	74	40-140
Pyrene	40.00	33.84	85	40-140

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits



FORM 3  
Water MADEP EPH Lab Control Sample

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/12/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: LCS1112A-1

Location: Franklin, MA

Lab File ID: A23912.D (continued)

Compound	Spike Added ( )	Sample Concentration ( )	% Rec #	QC Limits Rec
Tetracosane	40.00	42.25	106	40-140
Tetradecane	40.00	39.93	100	40-140
Triacontane	40.00	44.34	111	40-140

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

FORM 3  
Water MADEP EPH Lab Control Sample Duplicate

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/12/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: LCS1112A-1

Location: Franklin, MA

Lab File ID: A23913.D

Compound	Spike Added ( )	Sample Concentration ( )	% Rec #	RPD #	QC Limits	
					RPD	Rec
2-Methylnaphthalene	40.00	28.86	72	17.7	25	40-140
Acenaphthene	40.00	27.77	69	16.0	25	40-140
Acenaphthylene	40.00	27.62	69	17.2	25	40-140
Anthracene	40.00	33.10	83	14.5	25	40-140
Benzo[a]anthracene	40.00	32.01	80	9.52	25	40-140
Benzo[a]pyrene	40.00	33.18	83	8.09	25	40-140
Benzo[b]fluoranthene	40.00	31.86	80	9.52	25	40-140
Benzo[g,h,i]perylene	40.00	37.88	95	9.04	25	40-140
Benzo[k]fluoranthene	40.00	31.30	78	9.76	25	40-140
Chrysene	40.00	30.53	76	11.2	25	40-140
Decane	40.00	32.28	81	16.9	25	40-140
Dibenz[a,h]anthracene	40.00	35.97	90	9.52	25	40-140
Docosane	40.00	38.46	96	10.8	25	40-140
Dodecane	40.00	34.19	85	18.2	25	40-140
Eicosane	40.00	37.83	94	13.9	25	40-140
Fluoranthene	40.00	30.15	75	13.7	25	40-140
Fluorene	40.00	27.95	70	15.8	25	40-140
Hexacosane	40.00	38.16	95	10.0	25	40-140
Hexadecane	40.00	34.21	86	15.0	25	40-140
Hexatriacontane	40.00	51.45	129	10.3	25	40-140
Indeno[1,2,3-cd]pyrene	40.00	36.34	91	9.42	25	40-140
Naphthalene	40.00	29.02	72	17.7	25	40-140
Nonadecane	40.00	37.46	94	12.9	25	40-140
Nonane	40.00	33.02	82	11.5	25	30-140
Octacosane	40.00	38.31	96	6.06	25	40-140
Octadecane	40.00	37.62	94	15.7	25	40-140
Phenanthrene	40.00	30.10	75	1.34	25	40-140
Pyrene	40.00	29.98	75	12.5	25	40-140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

FORM 3  
Water MADEP EPH Lab Control Sample Duplicate

Lab Name: Premier Laboratory, LLC

Date Analyzed: 11/12/07

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Sample No.: LCS1112A-1

Location: Franklin, MA

Lab File ID: A23913.D (continued)

Compound	Spike Added ( )	Sample Concentration ( )	% Rec #	RPD #	QC Limits	
					RPD	Rec
Tetracosane	40.00	38.39	96	9.90	25	40-140
Tetradecane	40.00	33.63	84	17.4	25	40-140
Triacontane	40.00	40.97	102	8.45	25	40-140

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

FORM 4  
MADEP EPH Method Blank Summary

Project No.: E711585

Project: 20050458.B10/Nu-Style Phase II

Lab File ID: A23914.D

Lab Sample ID: E1112BA-1

Matrix: Water

Date Analyzed: 11/12/07

Instrument ID: GC1

Date Extracted:

Time Analyzed: 1124

This Method Blank Applies To The Following Samples, MD and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E711585-1C	841071106-01	A23917.D	11/12/2007
2	E711585-2C	841071106-02	A23918.D	11/12/2007
3	E711585-3C	841071106-03	A23919.D	11/12/2007
4	LCS1112A-1	LCS1112A-1	A23912.D	11/12/2007
5	LCSD1112A-1	LCSD1112A-1	A23913.D	11/12/2007
6				
7				
8				
9				
10				
11				
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23				
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25				
26				
27				
28				
29				
30				



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☐ 610 Lynndale Court, Suite E, Greenville, NC 27858

☐ 24 Madison Avenue Extension, Albany, NY 12203

☒ 275 Promenade Street, Suite 350, Providence, RI 02908

☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

☐ Other \_\_\_\_\_

**E-711585 BCG**

# CHAIN-OF-CUSTODY RECORD

14728

Turnaround

☐ 1 Day\*  
☐ 2 Days\*

☐ 3 Days\*  
☒ Standard (\_\_\_\_ days)

☐ Other \_\_\_\_\_ (days)  
\*Surcharge Applies

PROJECT NAME

Nu-Style Phase II

PROJECT LOCATION

Franklin, MA

PROJECT NUMBER

20050458-B10

LABORATORY

Premier

REPORT TO:

David Foss

INVOICE TO:

David Foss

P.O. No.:

84120050458-B10

Sampler's Signature:

[Signature]

Date:

11/7/07

Source Codes:

MW=Monitoring Well

PW=Potable Water

S=Soil

W=Waste

SW=Surface Water

T=Treatment Facility

B=Sediment

A=Air

X=Other

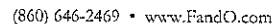
Trip Blank

Analysis Request

Containers

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
1	✓	841071106-01	MW	11/6/07	1000	✓	4	
2	✓	-02			1010	✓	4	
3	✓	-03			1100	✓	4	
4	✓	-04			1340	✓	2	
5	✓	-05			1420	✓	2	
6	✓	-06			1530	✓	2	
7	✓	-07	X	✓	1600	✓	1	Trip Blank
8	✓	841071107-08	MW	11/7/07	1020	✓	2	
9	✓	-09			1100	✓	2	Field-filtered metals
10	✓	-10			1130	✓	2	

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<u>[Signature]</u>	<u>[Signature]</u>	11/6/07	1700	SEE ATTACHED DATA TABLE FOR RL'S
2	<u>[Signature]</u>	<u>[Signature]</u>	11/7/07	1330	Additional Comments:
3	<u>[Signature]</u>	<u>[Signature]</u>	11/8/07	0945	PLEASE COMPLETE ATTACHED CHECKLIST
4	<u>[Signature]</u>	<u>[Signature]</u>	11-8-07	1608	



- ☐ 78 Interstate Drive, West Springfield, MA 01089
- ☐ 610 Lynndale Court, Suite E, Greenville, NC 27858
- ☐ 24 Madison Avenue Extension, Albany, NY 12203

- ☒ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601  
☐ Other

E711585 BCB

## 14729

## INTRODUCTION

- ☐ 1 Day\*    ☐ 3 Days\*    ☐ Other \_\_\_\_\_ (days)  
☐ 2 Days\*    ☒ Standard (\_\_\_\_ days)    \*Surcharge Applies

PROJECT NAME

## PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Franklin, MA

2030458.B10

Prems

REPORT TO: Daniel Foss

## Analysis Request

INVOICE TO: David Fox

P.O. No.: 84-2050458 B10

Sampler's Signature: 

Date: 4/2/17

Source Codes:

MW=Monitoring Well

PW=Potable Water

S=Soil

W=Waste

SW=Surface Water

T=Treatment Facility

B=Sediment

$$\Lambda = \Lambda_{\text{ir}}$$

X=Other

Too Blank

[illegible]

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<i>[Signature]</i>	<i>[Signature]</i>	11/7/07	1330	SEE ATTACHED TABLE FOR RL'S
2	<i>[Signature]</i>	<i>[Signature]</i>	11/8/07	0945	Additional Comments:  Please complete attached checklist
3	<i>[Signature]</i>	<i>[Signature]</i>	11/8/07	0950	
4	<i>[Signature]</i>	<i>[Signature]</i>	11-9-07		



**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS**

**PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\***

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
1. SDG Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Traffic Report	<input type="checkbox"/>	<input type="checkbox"/>	N/A
3. Volatiles Data			
a. Sample Data			
Target Compound List (TCL) Results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Reconstructed total ion chromatograms (RIC) for each Sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For each sample:			
Raw spectra and background-subtracted mass spectra of target compounds identified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	N/A
b. Standards Data (all instruments)			
Initial Calibration Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal Standard Area Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Raw QC Data			
Blank Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Matrix Spike Duplicate Data	<input type="checkbox"/>	<input type="checkbox"/>	N/A
4. Semivolatiles Data			
a. QC Summary			
Surrogate Percent Recovery Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MS/MSD Summary	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Method Blank Summary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	N/A



**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
ORGANIC COMPOUNDS  
(Continued)**

**PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS\*\***

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
b. Sample Data			
TCL Results	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tentatively Identified Compounds	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Reconstructed total ion chromatograms (RIC) for each Sample	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
For each sample:			
Raw spectra and background-subtracted mass spectra of TCL compounds	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Mass spectra of TICs with 3 best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
GPC chromatograms (if GPC performed)	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
c. Standards Data (all instruments)			
Initial Calibration Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and Quan Reports for all Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal Standard Areas Summary	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Internal Standard Areas Summary	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
d. Raw QC Data			
Decafluorotriphenylphosphine (DFTPP)	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Blank Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Data	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Matrix Spike Duplicate Data	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
5. Miscellaneous Data			
Original preparation and analysis forms or copies of preparation and analysis log book pages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal sample & sample extract transfer chain-of custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Screening Records	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
All instrument output, including strip charts from screening activities (describe or list)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	






**PHASE II SITE ASSESSMENT  
 FORMER NU-STYLE COMPANY, INC. FACILITY  
 LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
 ORGANIC COMPOUNDS  
 (Continued)**

PERFORMED AND, WHERE APPLICABLE,  
 WITHIN ACCEPTABLE LIMITS?\*\*

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
6. Chain-of-Custody Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sample Log-in Sheet (Lab & DC1)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
Miscellaneous Shipping/Receiving Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	N/A
<hr/>			
7. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	
<hr/>			
8. Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	
<hr/>			
<hr/>			
9. Comments:			
<hr/>			
<hr/>			
<hr/>			

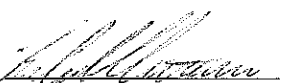
\*\* See laboratory Quality Assurance Plan for limits.

Completed by:   
 (Lab) (Signature)

Gregory Plante *organics manager*  
 (Printed Name/Title)

11/19/07  
 Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by:   
 (Lab) (Signature)

Robert Stevenson/Lab Director  
 (Printed Name/Title)

11-19-07  
 Date



**PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
INORGANIC COMPOUNDS**

**PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\***

	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
1. SDG Project Narratives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Inorganic Analysis Data Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Initial and Continuing Calibration Verification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. CRDL Standard for AA and ICP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Blanks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. ICP Interference Check Sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Spike Sample Recovery	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Post Digest Spike Sample Recovery	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NA
9. Duplicates	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Laboratory Control Sample	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Standard Addition Results	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NA
12. ICP Serial Dilutions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. Instrument Detection Limits, Quarterly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14. ICP Interelement Correction Factors, Annually	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15. ICP Linear Ranges Quarterly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16. Preparation Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17. Analysis Run Log	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
18. ICP Raw Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19. Furnace AA Raw Data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NA
20. Mercury Raw Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
21. Percent Solids Calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
22. Digestion Logs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
23. EPA Shipping/Receiving Records			
(List all individual records)	<input type="checkbox"/>	<input type="checkbox"/>	
Chain-of Custody Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sample Log-In sheet	<input type="checkbox"/>	<input type="checkbox"/>	
24. Miscellaneous Shipping/Receiving Records	<input type="checkbox"/>	<input type="checkbox"/>	
(List all individual records)			

PHASE II SITE ASSESSMENT  
FORMER NU-STYLE COMPANY, INC. FACILITY  
LABORATORY MODIFIED TIER II DATA VALIDATION CHECKLIST  
INORGANIC COMPOUNDS  
(Continued)PERFORMED AND, WHERE APPLICABLE,  
WITHIN ACCEPTABLE LIMITS? \*\*

	YES	NO	COMMENTS
25. Internal Lab Sample Transfer Records and Tracking Sheets (Describe or List)			
			logbook
26. Internal Original Sample Preparation and analysis Records (Describe or List)	<input type="checkbox"/>	<input type="checkbox"/>	
Preparation Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	logbook
Analysis Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	hardcopy + electronic
Description	<input type="checkbox"/>	<input type="checkbox"/>	
27. Other Records (Describe or List)			
28. Comments:			

\*\* See laboratory Quality Assurance Plan for limits.

Completed by: B. Supryczynski Barbara Supryczynski / Inorganic Hg 11/19/07  
(Lab) (Signature) (Printed Name/Title) Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for seven (7) years following certification of this document.

Certified by: [Signature] Robert Stevenson / Lab Director 11-19-07  
(Lab) (Signature) (Printed Name/Title) Date



## APPENDIX E

### Copy of BWSC107 Transmittal Forms



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107

**TIER CLASSIFICATION TRANSMITTAL FORM**

Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

-

**A. DISPOSAL SITE LOCATION:**

1. Disposal Site Name: \_\_\_\_\_
2. Street Address: \_\_\_\_\_
3. City/Town: \_\_\_\_\_ 4. ZIP Code: \_\_\_\_\_

**B. THIS FORM IS BEING USED TO:** (check all that apply)

- ☐ 1. Submit a new **Tier Classification Submittal for a Tier I Site**, including a **Numerical Ranking Scoresheet** (BWSC107A) (check one). A Tier I Permit Application must also be submitted.
- ☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC
- ☐ 2. Submit a new **Tier Classification Submittal for a Tier II Site**, including the **Numerical Ranking Scoresheet** (BWSC107A) and the **Tier II Compliance History** (BWSC107B).
- ☐ 3. Submit a **Phase I Completion Statement** as per 310 CMR 40.0480.
- If previously submitted, provide date \_\_\_\_\_  
mm/dd/yyyy
- ☐ 4. Submit a **Phase II Scope of Work** as per 310 CMR 40.0834.
- If previously submitted, provide date \_\_\_\_\_  
mm/dd/yyyy
- ☐ 5. Submit a **Phase II Conceptual Scope of Work supporting a Tier Classification Submittal**.
- ☐ 6. Submit a **Tier II Extension Submittal** for Response Actions at a Tier II Site including the **Tier II Compliance History** (BWSC107B).
- ☐ 7. Submit a **Tier II Transfer Submittal** for a change in person(s) undertaking Response Actions at a Tier II Site including the **Tier II Compliance History** (BWSC107B) and the **Tier II Transferor Certification** (BWSC107C).

Proposed effective date of transfer : \_\_\_\_\_  
mm/dd/yyyy

- ☐ 8. Submit a **Revised Tier Classification Submittal**, including a **Numerical Ranking Scoresheet** (BWSC107A). A Major Permit Modification may also need to be submitted.
- If this revised submittal is re-classifying the site check the new classification.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☐ d. Tier II

- ☐ 9. Submit a **Notice that an additional Release Tracking Number(s) is (are) being linked to this Tier Classified Site** (Primary RTN). Future response actions addressing the Release or Threat of Release notification condition associated with additional Release Tracking Numbers (RTNs) will be conducted as part of the Response Actions planned or ongoing at the Primary Site listed above. For a previously Tier Classified Primary Site, if there is a reasonable likelihood that the addition of the new secondary RTN(s) would change the classification of the site, a **Revised Tier Classification Submittal** must also be made.

Provide Release Tracking Number(s): a.  -  b.  -

All future Response Actions must occur according to the deadlines applicable to the Primary RTN. Use only the Primary RTN when making future submittals for this site unless specifically relating to response actions started before the linking occurred.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107

**TIER CLASSIFICATION TRANSMITTAL FORM**

Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

 - 

**C. LSP SIGNATURE AND STAMP:**

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B of this form indicates that a **Tier I or Tier II Classification Submittal** including the **Numerical Ranking System Scoresheet** is being submitted, this Tier Classification Submittal has been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Phase I Completion Statement** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Phase II Scope of Work** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Tier II Extension Submittal** or a **Tier II Transfer Submittal** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: \_\_\_\_\_

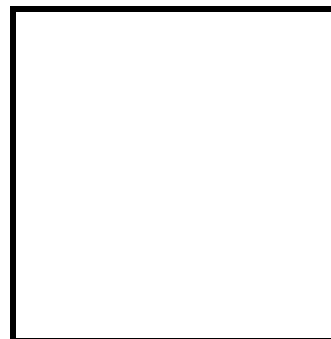
2. First Name: \_\_\_\_\_ 3. Last Name: \_\_\_\_\_

4. Telephone: \_\_\_\_\_ 5. Ext.: \_\_\_\_\_ 6. FAX: \_\_\_\_\_

7. Signature: \_\_\_\_\_ Submitted via e-DEP

8. Date: \_\_\_\_\_  
mm/dd/yyyy

9. LSP Stamp:





**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC107**

**TIER CLASSIFICATION TRANSMITTAL FORM**

Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

-

**D. PERSON MAKING SUBMITTAL:**

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response actions
2. Name of Organization: \_\_\_\_\_
3. Contact First Name: \_\_\_\_\_ 4. Last Name: \_\_\_\_\_
5. Street: \_\_\_\_\_ 6. Title: \_\_\_\_\_
7. City/Town: \_\_\_\_\_ 8. State: \_\_\_\_\_ 9. ZIP Code: \_\_\_\_\_
10. Telephone: \_\_\_\_\_ 11. Ext.: \_\_\_\_\_ 12. FAX: \_\_\_\_\_

**E. RELATIONSHIP OF PERSON MAKING SUBMITTAL TO DISPOSAL SITE:**

- ☐ 1. RP or PRP ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter
- ☐ e. Other RP or PRP Specify: \_\_\_\_\_
- ☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- ☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- ☐ 4. Any Other Person Making Submittal Specify Relationship: \_\_\_\_\_

**F. REQUIRED ATTACHMENT AND SUBMITTALS:**

- ☐ 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
- ☐ 2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.
- ☐ 3. Check here to certify that a Legal Notice of a Tier Classification or Re-classification Submittal has been or will be made according to 310 CMR 40.1403, and a copy of the notice sent to DEP, the Chief Municipal Officer and the Local Board of Health.
- ☐ 4. For a Tier II Extension Submittal, check here to certify that a statement summarizing why a Permanent or Temporary Solution has not been achieved at the Disposal Site is attached.
- ☐ 5. For a Tier II Transfer Submittal, check here to certify that a statement summarizing the reasons for the proposed change in person(s) undertaking the Response Actions is attached. All Response Actions must be completed by the deadline applicable to the person who first filed either a Tier Classification Submittal for the Disposal Site or received a Waiver of Approvals.
- ☐ 6. Check here if any non-updatable information provided on this form is incorrect, e.g., Site Name or Street Address. Send corrections to the DEP Regional Office.
- ☐ 7. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC107**

**TIER CLASSIFICATION TRANSMITTAL FORM**

Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

-

**G. CERTIFICATION OF PERSON MAKING SUBMITTAL:**

1. I, \_\_\_\_\_, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

If submitting a Tier II Classification, Extension or Transfer, I also attest under the pains and penalties of perjury that (i) I/the person(s) or entity(ies) on whose behalf this submittal is made has/have personally examined and am/is familiar with the requirements of M.G.L. c. 21E and 310 CMR 40.0000; (ii) based upon my inquiry of the/those Licensed Site Professional(s) employed or engaged to render Professional Services for the disposal site which is the subject of this Transmittal Form and of the person(s) or entity(ies) on whose behalf this submittal is made, and my/that person's(s') or entity's(ies') understanding as to the estimated costs of necessary response actions, that/those person(s) or entity(ies) has/have the technical, financial and legal ability to proceed with response actions for such site in accordance with M.G.L. c. 21E, 310 CMR 40.0000 and other applicable requirements; and (iii) that I am fully authorized to make this attestation on behalf of the person(s) or entity(ies) legally responsible for this submittal. I/the person(s) or entity(ies) on whose behalf this submittal is made is aware of the requirements in 310 CMR 40.0172 for notifying the Department in the event that I/the person(s) or entity(ies) on whose behalf this submittal is made learn(s) that it/they is/are unable to proceed with the necessary response actions.

2. By: Submitted via e-DEP

3. Title: \_\_\_\_\_

Signature

4. For: \_\_\_\_\_

(Name of person or entity recorded in Section D)

5. Date: \_\_\_\_\_

mm/dd/yyyy

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section D.

7. Street: \_\_\_\_\_

8. City/Town: \_\_\_\_\_ 9. State: \_\_\_\_\_ 10. ZIP Code: \_\_\_\_\_

11. Telephone: \_\_\_\_\_ 12. Ext.: \_\_\_\_\_ 13. FAX: \_\_\_\_\_

**YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.**

Date Stamp (DEP USE ONLY):





**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC107A**

**NUMERICAL RANKING SYSTEM (NRS) SCORESHEET**

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number

-

**A. NRS SCORESHEET SUMMARY SECTION:**

1. Classification Submittal: (check one) ☐ a. Initial NRS Score ☐ b. Revised NRS Score

2. Disposal Site Score: 

II	III	IV	V	VI	Total

3. Disposal Site Classification: (check one)

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☐ d. Tier II

**B. DISPOSAL SITE INFORMATION (NRS SECTION I):**

1. UTM Coordinates: a. UTM N: \_\_\_\_\_ b. UTM E: \_\_\_\_\_

2. Check which, if any, of the Tier I inclusionary criteria are met by the Disposal Site, pursuant to 310 CMR 40.0520(2):

- ☐ a. Groundwater is located within an Interim Wellhead Protection Area or a Zone II, and there is evidence of groundwater contamination by an Oil or Hazardous Material at the time of Tier Classification at concentrations equal to or exceeding the applicable RCGW-1 Reportable Concentration set forth in 310 CMR 40.0360.
- ☐ b. An Imminent Hazard is present at the time of Tier Classification.

**C. EXPOSURE PATHWAYS (NRS SECTION II):**

1. Exposure Pathways, and Oil and Hazardous Material (OHM) Sources:

For A. through D., score according to 310 CMR 40.1512 - Exposure Pathway Designation Criteria and NRS Table II.  
For E., score using NRS Table II.E.

	Score
<b>A. Soil (includes sediment)</b>	
<b>B. Groundwater</b>	
<b>C. Surface Water (includes wetlands)</b>	
<b>D. Air</b>	
<b>E. Number of OHM Sources</b>	
<b>Total NRS Section II Score (15 - 700)</b>	

2. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☐ b. No



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC107A**

**NUMERICAL RANKING SYSTEM (NRS) SCORESHEET**

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number

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3. Summary Rationale for Exposure Pathway Values, A. through D., and Phase I Report References:

**D. DISPOSAL SITE CHARACTERISTICS (NRS SECTION III):**

1. Oil and Hazardous Material (OHM) Toxicity Score (NRS Section III.A.):

a. List the Four Highest OHM Toxicity Scores from NRS Table III.A.:

OHM Scored	Concentration and Media	Toxicity Score (1 - 80)

b. Score using NRS Worksheet III.A.1. to determine the OHM Toxicity Score for OHM not listed in NRS Table III.A.:

OHM	Human Health-based Toxicity Value	Concentration (Soil - ug/g)	Concentration (Water - ug/l)	Toxicity Score

c. Use the Highest OHM Toxicity Score from either NRS Table III.A. or Worksheet III.A.1.:

OHM Scored	Toxicity Score



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC107A**

**NUMERICAL RANKING SYSTEM (NRS) SCORESHEET**

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number

-

**2. Multiple OHMs (NRS Section III.B.):**

Was the Toxicity Score of more than one OHM greater than or equal to 30? ☐ a. Yes (30) ☐ b. No (0)

**3. OHM Mobility and Persistence (NRS Section III.C.):**

Score according to 310 CMR 40.1514 - OHM Mobility and Persistence

a. OHM Scored	b. Score (0 - 50)
<input type="text"/>	<input type="text"/>

**4. Disposal Site Hydrogeology (NRS Section III.D.):**

Score according to 310 CMR 40.1515 - Soil Permeability, and NRS Table III.D.

Site Hydrogeology Score (2-20)
<input type="text"/>

**5. Total NRS Section III Score:**

A.	B.	C.	D.	Total for Section III (3 - 180)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

6. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☐ b. No

**E. HUMAN POPULATION AND LAND USES (NRS SECTION IV):**

**1. Human Population (NRS Section IV.A.):**

Score using NRS Table IV.A.

Residential Population within 1/2 Mile	Institutions within 500 Feet	On-site Workers	Population Score (0 - 40)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**2. Aquifers (NRS Section IV.B.):**

a. Sole Source Aquifer: ☐ i. Yes (25) ii. Name:  ☐ iii. No (0)

b. Potentially Productive Aquifer: ☐ i. Medium or High (15) ☐ ii. No (0)

**3. Water Use (NRS Section IV.C.):**

Score using NRS Table IV.C.

Proximity to Public Drinking Water Source	Persons Served by Public Drinking Water Supply	Private Water Supplies within 500 Feet	Alternate Public Water Supply Available	Water Use Score (0 -125)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**4. Total NRS Section IV Score:**

A.	B.	C.	Total for Section IV (0 - 205)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

5. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☐ b. No



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC107A**

**NUMERICAL RANKING SYSTEM (NRS) SCORESHEET**

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number

-

**F. ECOLOGICAL POPULATION (NRS SECTION V):**

1. Environmental Resource Areas (NRS Section V.A.): Score using NRS Table V.A.

Area of Critical Environmental Concern	Species of Special Concern, Threatened or Endangered Species Habitat	Wetlands, Certified Vernal Pool, or Outstanding Resource Water	Fish Habitat	Protected Open Space	Environmental Resource Area Score (0 - 150)

2. Environmental Toxicity Score (NRS Section V.B.):

Score only if Environmental Resource Area Score is greater than or equal to 30.

a. List the Three Highest Environmental Toxicity Scores from NRS Table V.B.:

OHM Scored	Concentration and Media	Toxicity Score (0 - 35)

b. Score using NRS Worksheet V.B.1. to determine the Environmental Toxicity Score for OHM not listed in NRS Table V.B. See 310 CMR 40.1516 for Environmental Toxicity Values for each OHM.

OHM	Environmental Toxicity Value	Concentration (Soil - ug/g)	Concentration (Water - ug/l)	Environmental Toxicity Score

c. Use the Highest Environmental Toxicity Score from either NRS Table V.B. or from Worksheet V.B.1.:

OHM Scored	Toxicity Score

3. Total NRS Section V Score:

A.	B.	Total for Section V (0 - 185)

4. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☐ b. No

## NUMERICAL RANKING SYSTEM (NRS) SCORESHEET

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number

$$\boxed{\phantom{000}} - \boxed{\phantom{000000}}$$

**G. MITIGATING DISPOSAL SITE -SPECIFIC CONDITIONS (NRS SECTION VI):**

1. Disposal site-specific conditions that warrant amending the site score. Changes directly related to NRS Sections or Subsection scores may not reduce the score more than the relevant subsection value assigned for the disposal site in that subsection. Section VI must reference specific pages of the Phase I. Section VI may not exceed plus or minus 50 points and may be scored only in 5-point increments.

[illegible]

☐ 2. Check here if additional pages are provided in an attachment.

3. Disposal Site Amendment (Not to exceed plus or minus 50 points):

**Total Score**  
**Section VI**

--	--



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC107B**

**TIER II COMPLIANCE HISTORY**  
Pursuant to 310 CMR 40.0540 (Subpart E)

Release Tracking Number

-

**A. DISPOSAL SITE COMPLIANCE HISTORY SUMMARY:**

☐ 1. Check here if a Tier II Compliance History of the person listed in BWSC107, Section D, was previously submitted, and there has been no change in that person's compliance history. If this box is checked, this section does not have to be completed.

2. List all permits or licenses that have been issued by the Department that are relevant to this Disposal Site:

Program	Permit Number	Permit Category	Facility ID
a. Air Quality			
b. Hazardous Waste (M.G.L. c. 21C)			
c. Solid Waste			
d. Industrial Wastewater Management			
e. Water Supply			
f. Water Pollution Control/Surface Water			
g. Water Pollution Control/Groundwater			
h. Water Pollution Control/Sewer Connection			
i. Wetland & Waterways			

3. List all other Federal, state or local permits, licenses, certifications, registrations, variances, or approvals that are relevant to this Disposal Site:

Issuing Authority or Program, or Documentation Type	Identification Number	Date Issued mm/dd/yyyy

☐ 4. Check here to certify that, if needed, a statement further describing the Compliance History of this Disposal Site is attached.

This statement must describe the compliance history of the person or entity named in BWSC107, Section D with the following: (1) DEP regulations; and (2) other laws for the protection of health, safety, public welfare and the environment administered or enforced by any other government agency. Such a statement should identify information such as: (1) actions relevant to the Disposal Site taken by the Department to enforce its requirements including, but not limited to, a Notice of Noncompliance (NON), Notice of Intent to Assess Civil Administrative Penalty (PAN), Notice of Intent to Take Response Action (NORA), and an administrative enforcement order; (2) administrative consent orders; (3) judicial consent judgements; (4) similar administrative actions taken by other Federal, state or local agencies; (5) civil or criminal actions relevant to the Disposal Site brought on behalf of the DEP or other Federal, state, or local agencies; and (6) any additional relevant information. For each action identified, provide the following information: (1) name of the issuing authority, type of action, identification number and date issued; (2) description of noncompliance cited; (3) current status of the matter; and (4) final disposition, if any.



## APPENDIX F

### Public Notification Documentation



# FUSS & O'NEILL

*Disciplines to Deliver*

May 14, 2008

Section Chief  
Bureau of Waste Site Cleanup  
Massachusetts Department of Environmental Protection  
Central Region Main Office  
627 Main Street  
Worcester, MA 01608

RE: Copy of Legal Notice  
Tier Classification and Phase I – Initial Site Investigation Report  
Former Nu-Style Company, Inc.  
87 Grove Street  
Franklin, Massachusetts  
**RTN: 2-16694**

Dear Section Chief:

In accordance with the Massachusetts Contingency Plan (MCP; 310 CMR 40.1403 (6)), Fuss & O'Neill, Inc. has prepared this letter on behalf of the Town of Franklin, Massachusetts, the owner of the subject property, to provide you with a copy of the legal notice published in The Milford Daily News, Milford, Massachusetts on May 19, 2008. The legal notice indicated the Tier Classification for the release identified by the Massachusetts Department of Environmental Protection (MADEP) as Release Tracking Number (RTN) 2-16694. The site has been classified as a Tier II. A copy of the legal notice is attached. Copies of the cover letter sent to the Chief Municipal Officer and Health Agent of the City of Attleboro are also attached.

Sincerely,

317 Iron Horse Way  
Suite 204  
Providence, RI 02908

David J.P. Foss

t (401) 861-3070  
(800) 286-2469  
f (401) 861-3076

www.FandO.com

Senior Project Manager

Attachment: Legal Notice  
Cover Letter to Town Administrator Jeffrey Nutting  
Cover Letter to Health Agent David E. McKearney, R.S.

Connecticut

Massachusetts

New York

Rhode Island

North Carolina

South Carolina

C: Town of Franklin  
Ms. Stephanie Mercandetti, Norfolk County





**COMMUNITY  
NEWSPAPER  
COMPANY**

GateHouse Media New England

**Community Newspaper Co. – Legal Advertising Proof**

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**Order Number:** CN11669992

**Salesperson:** Mary Joyce Waite

Liz Cassidy  
Franklin Planning Board  
355 East Central Street  
Franklin, Ma 02038

**Title:** Milford Daily News  
**Start date:** 5/19/2008  
**Insertions:** 1

**Class:** Legals  
**Stop date:** 5/19/2008  
**#Lines:** 72 ag **Price:** \$93.15

**Payment Information**

**Receipt#** 87 Grove Street

**Pmt. Type:** Invoice **Total:** \$93.15

**LEGAL NOTICE  
NOTICE OF INITIAL SITE  
INVESTIGATION AND  
TIER II CLASSIFICATION**

**FORMER NU-STYLE PROPERTY  
87 GROVE STREET, FRANKLIN, MASSACHUSETTS  
RELEASE TRACKING NUMBER 2-16694**

A release of oil and/or hazardous materials has occurred at this location, which is a disposal site as defined by M.G.L. c. 21E, § 2 and the Massachusetts Contingency Plan, 310 CMR 40.0000. To evaluate the release, a Phase I Initial Site Investigation was performed pursuant to 310 CMR 40.0480. As a result of this investigation, the site has been classified as Tier II pursuant to 310 CMR 40.0500. On May 14, 2008 the Town of Franklin, Massachusetts filed a Tier II Classification Submittal with the Department of Environmental Protection (MassDEP). To obtain more information on this disposal site, please contact Mr. David Foss, Fuss & O'Neill, Inc., 317 Iron Horse Way, Suite 204, Providence, RI 02908, 401-861-3070 ext. 4579.

The Tier II Classification Submittal and the disposal site file can be reviewed at MassDEP Central Region Main Office, 627 Main Street, Worcester, MA 01608, 508-792-7650.

Additional public involvement opportunities are available under 310 CMR 40.1403(9) and 310 CMR 40.1404.

AD#11669992  
MDN 5/19/08



# FUSS & O'NEILL

*Disciplines to Deliver*

May 14, 2008

Jeffrey Nutting  
Town Administrator  
Franklin Town Hall  
355 East Central Street  
Franklin, MA 02038

Re: Notice of Availability of Tier Classification and Phase I – Initial Site Investigation Report and  
Copy of Legal Notice  
Former Nu-Style Company, Inc.  
87 Grove Street  
Franklin, Massachusetts  
RTN: 2-16694

Dear Mr. Nutting:

Fuss & O'Neill, Inc. has prepared this letter on behalf of the Town of Franklin, Massachusetts, the owner of the subject property, to provide notice in accordance with the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) that a Tier Classification and Phase I – Initial Site Investigation Report has been submitted to the Massachusetts Department of Environmental Protection (MADEP) for the release identified by the MADEP as Release Tracking Number (RTN) 2-16694. The documents indicate that volatile organic compounds and metals were identified in on-site soil and groundwater and polycyclic aromatic hydrocarbons were identified in on-site sediment. The site has been classified as a Tier II.

The reports and supporting documentation are available for review or to be copied at the following location:

Massachusetts Department of Environmental Protection  
Central Region Main Office  
627 Main Street  
Worcester, MA 01608  
Telephone: 508-792-7650


In accordance with the MCP (310 CMR 40.1403 (6)), Fuss & O'Neill, Inc. has also prepared this letter to provide you with a copy of the legal notice published in The Milford Daily News, Milford, Massachusetts on May 19, 2008. The legal notice indicated the Tier Classification for the release identified above. A copy of the legal notice is attached.

317 Iron Horse Way  
Suite 204  
Providence, RI 02908

t (401) 861-3070  
(800) 286-2469  
f (401) 861-3076

www.FandO.com

Sincerely,

  
David J.P. Foss  
Senior Project Manager

Attachment: Legal Notice

C: Ms. Stephanie Mercandetti, Norfolk County  
MADEP

F:\P2005\0458\F10\Phase I SIR\Public Notice\public notice letters-040408-bek.doc



## FUSS & O'NEILL

*Disciplines to Deliver*

May 14, 2008

David E. McKearney, R.S.  
Health Agent/Director  
Franklin Town Hall  
355 East Central Street  
Franklin, MA 02038

Re: Notice of Availability of Tier Classification and Phase I – Initial Site Investigation Report and  
Copy of Legal Notice  
Former Nu-Style Company, Inc.  
87 Grove Street  
Franklin, Massachusetts  
RTN: 2-16694

Dear Mr. McKearney:

Fuss & O'Neill, Inc. has prepared this letter on behalf of the Town of Franklin, Massachusetts, the owner of the subject property, to provide notice in accordance with the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) that a Tier Classification and Phase I – Initial Site Investigation Report has been submitted to the Massachusetts Department of Environmental Protection (MADEP) for the release identified by the MADEP as Release Tracking Number (RTN) 2-16694. The documents indicate that volatile organic compounds and metals were identified in on-site soil and groundwater and polycyclic aromatic hydrocarbons were identified in on-site sediment. The site has been classified as a Tier II.

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(800) 286-2469  
f (401) 861-3076

www.FandO.com

Sincerely,

David J.P. Foss  
Senior Project Manager

Connecticut  
Massachusetts

New York

Rhode Island

North Carolina

South Carolina

Attachment: Legal Notice

C: Ms. Stephanie Mercandetti, Norfolk County  
MADEP