

# **Phase II Site Assessment Report**

## **Former Nu-Style Property**

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

## **Town of Franklin**

September 2010



317 Iron Horse Way, Suite 204  
Providence, RI 02908

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# 1 Introduction

This report, prepared in accordance with the Massachusetts Contingency Plan (MCP) 310 CMR 40.0835, serves as documentation for a Phase II Environmental Site Assessment (ESA) for response actions conducted at the disposal site (the “site”) identified by the Massachusetts Department of Environmental Protection (MassDEP) 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 grants from the United States Environmental Protection Agency (USEPA) and a grant from MassDevelopment. Fuss & O’Neill’s Limitations of Work Product are included in *Section 10*.

## 2 Disposal Site Description

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### 2.1 Site Description

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

The subject property was identified as the Town 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 subject property was acquired via tax title by the Town as a result of foreclosure. Details of the site history were presented in the Phase I Initial Site Investigation, prepared by Fuss & O’Neill on behalf of the Town and Norfolk County, and submitted to MassDEP on May 16, 2008.

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.

Formal development plans have not been established or approved by the Town of Franklin. Utilities located on the subject property included a water line located along the right-of-way known as Old Grove Street, and stormwater drainage lines located throughout the property. 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.

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*.

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## **2.2 Geographic 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 (fbg) during drilling conducted on the site as part of the ESA activities.

Bedrock beneath the site was mapped as grayish-pink to greenish-gray, equigranular to slightly porphyritic, Dedham Granite (Zen, 1983). During drilling activities conducted on the exterior portion of the site in 2007 and 2008, bedrock was encountered at depths of between four and 12.5 fbg. Bedrock chips observed at two locations during drilling activities appeared to be granitic in composition, consistent with the mapped bedrock geology. Drilling conducted in May 2009 in the basement of the Lot 27 building to install wells MW-18 and MW-19, depicted on *Figure 2*, encountered bedrock directly under the concrete floor slab.

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## **2.3 Groundwater Classification**

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. The site is not located within a 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. 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, due to the Town's intent to redevelop the site and the potential of an occupied structure at the site as a result future site redevelopment.

## **3 Release History**

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### **3.1 UST Removal and CERCLA Removal Action**

Four underground storage tanks (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.

### **3.2 Initial Environmental Assessments**

Environmental assessments were conducted at the site by IES, Inc. (IES) in 1990 and 1991. In 1991, 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. IES produced the following reports, portions of which were made available to Fuss & O'Neill and were summarized in the 2008 Phase I Initial Site Investigation Report.

- 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 conducted environmental assessment activities at the subject property in 2006 and 2007, under two Brownfield Assessment grants. 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.

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### **3.3 120-Day Release Notification**

To further investigate the RECs listed in the Phase I ESA, Fuss & O'Neill began subsurface investigations activities at the site in 2006 under the Brownfield Assessment grants, on behalf of Norfolk County and the Town of Franklin.

Based on the results of the initial subsurface assessments, a 120-day reportable condition was identified at the site, pursuant to 310 CMR 40.0315. A release notification form was submitted to MassDEP on May 10, 2007. MassDEP subsequently assigned release tracking number (RTN) 2-16694 to the disposal site.

## **4 Comprehensive Site Assessment**

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### **4.1 Initial Site Investigation**

The May 2008 Phase I Initial Site Investigation Report summarized the results of all site assessment data collected through spring 2008. The Numerical Ranking System score for the disposal site was 212. In accordance with the MCP, the disposal site was Tier Classified as Tier II. The Phase I Initial Site Investigation Report further presented a conceptual site model (CSM) documenting the source, nature, extent and migration pathways of contaminants identified at the site.

Initial Site Investigation activities conducted between May 2006 and November 2007 included the sampling of soil, overburden and bedrock groundwater, and surface water and sediment from Mine Brook. These activities 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.
- Installation of seven (7) shallow overburden monitoring wells and two bedrock monitoring wells.
- Collection of groundwater samples from the monitoring wells.
- Collection of nine (9) sediment samples, including quality control samples, from the banks of Mine Brook.
- Collection of five (5) surface water samples, including quality control samples, from Mine Brook.
- Closure of a 5,000-gallon #2 heating oil underground storage tank (UST) on May 1 and 2, 2007. Six (6) confirmation samples were collected from the limits of the excavation for laboratory analysis. 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 Phase I Initial Site Investigation Report.

Details of these activities were documented in the Phase I Initial Site Investigation Report received by MassDEP on May 16, 2008.



**Table 1**  
Summary of Subsurface Initial Site Investigations  
May 2006 – November 2007

Date	Media	No. Samples*	Target Analytes
11/30/2006	Soil	17	VOC, PP13 metals plus barium, total cyanide, PCBs, VPH, EPH
12/1/2006	Soil	7	VOC, PP13 metals plus barium, total cyanide, PCBs, VPH, EPH
12/8/2006	GW	6	VOC, PP13 metals plus barium, VPH, EPH
5/1/2007	Soil (UST grave)	6	VOC, PP13 metals, VPH, EPH
10/31/2007	Soil	1	VOC
11/1/2007	Soil	4	VOC, PP13 metals plus barium, VPH, EPH
11/6/2007	GW	10	VOC, dissolved/total RCRA 8 metals
4/26/2007	Surface Water	5	VOC, PP13 metals plus barium, VPH, EPH
4/26/2007	Sediment	5	VOC, PP13 metals plus barium, VPH, EPH, PCBs, cyanide
10/25/2007	Sediment	4	SVOC

**Notes:** MW = monitoring well  
fbg = feet below grade  
\* includes duplicate samples

The CSM identified a data gap with respect to groundwater quality in the bedrock aquifer beneath the site building located on Lot 27. To address this data gap, Fuss & O'Neill installed two groundwater monitoring wells in the basement of the Lot 27 building, and collected groundwater samples for laboratory analysis from both the newly installed and pre-existing wells at the site. Fuss & O'Neill utilized groundwater data collected during these additional subsurface investigations to update the CSM. The updated CSM is presented in *Section 6.0*.

## 4.2 Monitoring Well Installation and Development

Prior to the installation of the bedrock monitoring wells, the Town contracted Fuss & O'Neill to abate asbestos-containing material (ACM) from the proposed work area. Abatement activities were conducted on May 11, 2009, prior to the installation of two (2) groundwater monitoring wells described below.

On May 22, 2009, Fuss & O'Neill oversaw the installation of two one-inch diameter polyvinyl chloride (PVC) groundwater monitoring wells, designated MW-18 and MW-19, at the site. Monitoring wells were installed into two borings advanced through the basement floor slab of the Lot 27 building, in the vicinity of the boiler room. The borings were advanced to the first water-bearing fracture encountered during drilling, utilizing a hand-operated hammer drill operated by Geosearch, Inc. of Fitchburg, Massachusetts. The locations of the monitoring wells are depicted on *Figure 2*. Well MW-18 was installed approximately five feet east of the barrel

boiler, to a depth of approximately 6.5 fbg. Well MW-19 was installed approximately 25 feet east of the barrel boiler, adjacent to a water tube boiler and in the vicinity of two narrow trenches running across the basement floor. Well MW-19 was installed to a depth of approximately eight fbg. Boring logs and monitoring well completion reports are included in *Appendix A*.

Fuss & O'Neill developed wells MW-18 and MW-19 on June 2, 2009. Development procedures included purging groundwater to remove fine particles from the sand filter pack and improve hydraulic communication between the sand filter pack and the surrounding aquifer. Rapid recharge was observed at well MW-19. Low recharge was observed at well MW-18.

Fuss & O'Neill surveyed the relative elevations of the newly installed monitoring wells at the subject site on June 4, 2009. The survey was conducted relative to an assumed vertical datum to evaluate the relative elevation and hydraulic gradient of shallow and deep groundwater beneath the subject site. Monitoring well elevations are included in *Table 2*.

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### **4.3 Groundwater Sampling**

On June 4, 2009 and June 24, 2010, Fuss & O'Neill gauged groundwater elevations and sampled the ten monitoring wells throughout the subject site. These wells were gauged to determine depth to groundwater and then sampled using low flow methods with a peristaltic pump. Groundwater elevations measured during these sampling events are included in *Table 3*. One sample from each well was submitted to Premier Laboratory of Dayville, Connecticut (Premier) for analysis of volatile organic compounds (VOC) by USEPA Method 8260B. Samples collected in June 2010 were additionally submitted for analysis of dissolved lead by USEPA Method 6010B. One trip blank was submitted for analysis of VOC. One duplicate sample, as well as one matrix spike and matrix spike duplicate (MS/MSD) pairing were collected during the June 2010 groundwater monitoring event for quality control purposes. Due to the use of dedicated equipment, no equipment or field blanks were collected. A summary of groundwater sampling activities is included in *Table 2* below:

**Table 2**  
Well Construction and Groundwater Sampling Summary  
June 4, 2009 and June 24, 2010

Well ID	Aquifer Screened	Sample ID (2009 event)	Sample ID (2010 event)	Well Diameter (inches)	Screened Interval (fbg)
MW-1	Overburden	04-10	24-11	2	2-12
MW-2	Overburden	04-05	24-10	2	2-12
MW-3	Overburden	04-04	24-07	2	2.5-10.5
MW-4	Overburden	---	---	2	2.5-10.5
MW-5	Overburden	04-08	24-03	2	2-12
MW-13	Bedrock	04-03	24-08; 24-08MS; 24-08 MSD	2	25-35
MW-14	Bedrock	04-07	24-04; 24-05	2	11-21
MW-16	Overburden	04-06	24-06	2	5-10
MW-17	Overburden	04-09	24-09	2	4-14
MW-18	Bedrock	04-01	24-01	1	3.5-6.5
MW-19	Bedrock	04-02	24-02	1	3-8

**Notes:** MW = monitoring well  
fbg = feet below grade  
Sample ID: Only the last 4 digits of the sample identification number are listed.  
--- : Well MW-4 was destroyed prior to the November 2007 groundwater sampling event.  
MS / MSD: matrix spike and matrix spike duplicate (metals only)

## 5 Subsurface Investigation Results

### 5.1 Initial Site Investigation Results

Analytical results collected during the Initial Site Investigation were documented in the May 2008 Initial Site Investigation Report, and are not discussed further in this section. A summary of these analytical results was included in *Table 4* through *Table 8*, and were incorporated into the CSM and Risk Assessment documented herein. All sample locations are depicted on *Figure 2*.

### 5.2 Groundwater Analytical Results

Groundwater sampling results for the June 4, 2009 and June 24, 2010 groundwater monitoring events are included in *Table 3*, along with the groundwater sampling results for samples collected by Fuss & O'Neill between December 2006 and November 2007. Premier's analytical reports for the June 2009 and June 2010 groundwater analyses is included in *Appendix B*. Reported VOC concentrations in the June 2009 and June 2010 groundwater analyses were similar to the analytical results of previous sampling rounds with regard to the speciation of VOC detected in samples from a particular monitoring well and the concentrations of VOC, particularly tetrachloroethene (PCE) and trichloroethene (TCE), detected in samples collected from a particular monitoring well. The following VOC were detected at concentrations above laboratory reporting limits in the June 2009 analyses:

- acetone

- 1,1,1-trichloroethane
- cis-1,2-dichloroethylene
- methyl tert-butyl ether (MTBE)
- PCE
- TCE

The June 2010 analyses included the same compounds, with two exceptions. Acetone was not detected in any sample during the June 2010 monitoring event, while 1,1-dichloroethylene was detected in one groundwater sample collected from monitoring well MW-19, one of the two bedrock wells installed in the basement of the site building.

## 6 Conceptual Site Model

A conceptual site model (CSM) was 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. The CSM was used to develop conclusions regarding the apparent extent of contamination, the media affected by the releases, and sufficiency of investigations.

Groundwater data from the Limited Site Assessment documented herein was utilized to update the CSM presented in the Phase I Initial Site Investigation Report.

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### 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 most prevalent in the upper two feet of soil. The soil deposits extended to at least 14 fbg based on the deepest overburden soil boring (MW-17). No wide-ranging impermeable confining layer was identified in the available soil data at the site. Bedrock was encountered as shallow as four fbg at exterior soil boring B-15, and was observed directly below the basement floor slab at location MW-19. At location MW-18, a layer of broken rock approximately 1.5 feet thick was encountered directly below the floor slab. Solid bedrock was encountered below the layer of broken rock.

Four groundwater monitoring events have been conducted at the disposal site by Fuss & O'Neill 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 exterior of the site. Shallow (overburden) groundwater flow direction was generally to the south-southwest toward Mine Brook. Four monitoring wells, designated MW-13, MW-14, MW-18 and MW-19 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 south-southeast, in the direction of Mine Brook. Both of the groundwater monitoring events which included all four bedrock monitoring wells were conducted during the month of June, and therefore seasonal variations in the bedrock groundwater flow regime have not been evaluated.

Groundwater elevations at these bedrock wells compared to the elevation of shallow groundwater in overburden monitoring wells indicated a potentially slight upward vertical

hydraulic gradient from the bedrock aquifer to the overburden aquifer. However, the hydraulic connection of the bedrock and overburden aquifers as well as the degree of continuity between subsurface fractures was not established during the site investigation. Based on the limited number of groundwater monitoring events, the seasonal variation in vertical hydraulic gradient has not been characterized. Equipotential contour maps of overburden and shallow groundwater based on gauging data collected on June 4, 2009 are presented as *Figure 3* and *Figure 4*, respectively. As noted on *Table 3*, the groundwater elevations measured in June 2010 were not significantly different from those measured in June 2009, and therefore equipotential groundwater contours have not been calculated for that monitoring event.

Based on a review of MCP GW-1 inclusionary criteria and the Site Scoring Map contained in the 2008 Phase I Initial Site Investigation, groundwater at the site and the surrounding area was not used for drinking water and was not considered a potential drinking water source.

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## 6.2 Contaminant Source

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.

Environmental investigations conducted by Fuss & O'Neill since 2006 have identified releases to soil, sediment, shallow overburden groundwater, and bedrock groundwater at the site. The following sections present the known releases identified at the site to date, organized according to the environmental media impacted by the release.

### 6.2.1 Soil

A release of chlorinated VOCs (PCE and TCE) and lead was identified in shallow site soil (0-5 fbg). The release areas pertaining to these contaminants are depicted on *Figure 2* and denoted with blue lines. The dashed lines indicate areas where the horizontal extent is approximate based on the available data.

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 soil borings 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.

Boring MW-5 was the only soil sample located adjacent to the former loading dock of the Lot 27 building. Both the shallow (0.4-2 fbg) and deeper (5-7 fbg) soil samples collected from boring MW-5 contained elevated concentrations of lead, chromium, antimony and zinc when compared to borings elsewhere on the disposal site. The presence of elevated metals in soil at

boring MW-5 may be attributed to surface spills of metal-containing cyanide and sulfate compounds used in historic site activities, including former jewelry manufacturing operations.

### 6.2.2 Sediment

Polynuclear aromatic hydrocarbons (PAH) in sediment were identified in the vicinity of sediment samples SD-1, SD-5, SD-6, and SD-7 at the western portion of the site and at downstream locations of Mine Brook.

The sources of PAH in sediment were 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. The PAH compounds in sediment may also be attributed to historic discharges from the former manufacturing facility including potential discharges associated with the boiler and chimney system abutting Mine Brook on the southern side of the Lot 27 building.

### 6.2.3 Surface Water

None of the contaminants of concern were detected in surface water at concentrations exceeding the MassDEP Method 1 GW-3 groundwater standards. One sample, collected from surface water sample location SW-3, east of the roadway over Mine Brook, contained lead at a concentration exceeding the USEPA Chronic Criteria Continuous Concentration. The GW-3 Groundwater Standards are intended to be protective of surface water quality impacts from groundwater releases, while the Chronic Criteria Continuous Concentrations are intended to be protective water-borne organisms under long-term conditions in surface waters.

### 6.2.4 Shallow Overburden Groundwater

Groundwater samples collected from wells screened in overburden soil identified a release of chlorinated VOC and lead to shallow groundwater. The interval of overburden soil comprising the saturated overburden aquifer is generally five to 15 fbg. As described previously, the depth to the top of bedrock generally ranges from 10 to 15 fbg around the perimeter of the building.

VOC in shallow groundwater were identified in samples collected from monitoring wells MW-03, MW-04, and MW-16. The approximate extents of overburden groundwater containing VOC are depicted on *Figure 2* as an orange line, while a bolder orange line depicts the area containing VOC during the June 2010 groundwater monitoring event which exceeded the MassDEP Method 1 GW-2 Groundwater Standards for VOC. These wells were located in the vicinity of soil containing VOC, likely as a result of surficial spills that migrated to groundwater. The dissolved-phase VOC in these areas indicated that VOC migrated to groundwater as a result of the historic spills.

Total lead in shallow groundwater was detected in samples collected from monitoring wells MW-01, MW-03, and MW-05 at concentrations exceeding the MassDEP GW-3 groundwater standard in 2006, and dissolved lead was detected in a groundwater sample collected from MW-05 in November 2007 at a concentration exceeding the MassDEP GW-3 groundwater standard. During the June 2010 groundwater monitoring event, Fuss & O'Neill collected groundwater samples from each of the ten on-site wells for analysis of dissolved lead.



Dissolved lead was detected in the sample from one of these monitoring wells, MW-05, at a concentration which exceeded the MassDEP GW-3 groundwater standard. This location is denoted on *Figure 2* as a bold orange line. The elevated concentrations of total and dissolved lead historically identified at the site may have been an artifact of sample turbidity and fine particles mobilized as a result of low well yields in overburden monitoring wells.

### 6.2.5 Bedrock Groundwater

Chlorinated VOC in bedrock groundwater were detected in the samples collected from all bedrock wells, including exterior wells MW-13 and MW-14, and interior wells MW-18 and MW-19. The approximate extent of bedrock groundwater containing VOC is depicted on *Figure 2* as a red line, while a bolder red line depicts the monitoring wells from which samples were collected that contained VOC during the June 2010 groundwater monitoring event at concentrations that exceeded the MassDEP Method 1 GW-2 Groundwater Standards. The relatively high concentration of PCE and TCE identified at well MW-19 suggest that a point source release of VOC may have occurred beneath the site building. The source of chlorinated VOC in the exterior monitoring wells may be attributed to a combination of both surficial releases of VOC to the subsurface as well as potential migration in bedrock groundwater from beneath the Lot 27 building. Levels of chlorinated VOC in well MW-18 were approximately two orders of magnitude lower than the concentrations detected at well MW-19, located 20 feet to the east of well MW-18.

The full extents of chlorinated VOC in bedrock are not currently known. Due to the structural condition of the building and the existing access to the basement, the installation of bedrock wells was not practical during the investigation activities documented herein. Further assessment of bedrock groundwater will be conducted following the demolition of the on-site building. Neither the horizontal nor vertical extent of potential dissolved phase VOC in bedrock groundwater has been fully delineated.

Additional investigation of VOC in bedrock beneath the site building, including further delineation of the potential source area in the vicinity of well MW-19, will be warranted following the demolition of the building in support of future regulatory closure efforts.

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## 6.3 Current Delineation of Contaminants

The investigation activities documented herein have documented the following releases to environmental media at concentrations exceeding the applicable regulatory criteria:

- VOC in shallow soil near the northwestern corner of the site building
- Lead in shallow and deeper soil (greater than five fbg) at the northeastern corner of the site building
- Dissolved lead at the northeastern corner of the site building
- VOC in overburden groundwater west of the site building
- VOC in bedrock groundwater at the southwestern corner of the site building

The contaminants of concern identified in various environmental media, as described above, were assessed over a period of approximately four years. The concentrations of VOC in groundwater samples have not been observed to decrease significantly over the investigation period. Soil contaminants included lead, which is generally persistent, and chlorinated VOC.

The delineation of the soil conditions depicted on *Figure 2* is approximate. The release areas were generally shown to extend to the midpoint between sample locations exceeding the applicable regulatory standards and sample locations with reported concentrations at levels less than MCP Method 1 standards. The release of lead at the northeastern corner of the site is inferred to relate to historical operation of the loading dock, and therefore is depicted as a limited area proximal to the former loading dock. Soil samples elsewhere at the site did not contain concentrations of lead greater than the regulatory criteria, and therefore this release is generally confined to the northeastern corner of the site.

The current groundwater monitoring network consists of 11 monitoring wells, including four bedrock wells and seven overburden groundwater wells. Based on the delineation depicted on *Figure 2* and the measured groundwater flow direction, the overburden monitoring well network is sufficient to delineate VOC at concentrations greater than MCP method 1 standards in overburden groundwater, with the exception that the western edge of the VOC plume is approximate, and is based on the local shallow groundwater flow direction. An endpoint to the west of monitoring well MW-16 has not been identified. Further evaluation of overburden groundwater in this area is warranted as a portion of future assessment activities at the site. The bedrock wells were advanced to the depth of the first accessible water-bearing fracture. The extent of the VOC in bedrock is currently not defined horizontally or vertically. Due to the structural condition of the site building, building demolition will be required before bedrock wells can be installed into deeper fractures and the full nature and extents of groundwater containing VOC can be delineated.

Indoor air and soil vapor have not been evaluated as a portion of the site assessment activities conducted to date. This evaluation is recommended after the site building is demolished and a site redevelopment plan is developed.

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## 6.4 Nature and Extent of Contamination

Based on the results of soil, groundwater, sediment, and surface water monitoring conducted at the site, and acknowledging the limitations in the assessment program detailed above, the lateral extent of the disposal site has been approximately estimated, and is shown on *Figure 2*.

The installation and sampling of well MW-19 in the basement of the Lot 27 building identified chlorinated VOC concentrations two orders of magnitude greater than concentrations observed in exterior wells, suggesting that a VOC source area may exist under the Lot 27 building.

Migration of COC through the crystalline bedrock aquifer is considered to occur via fracture flow, and may therefore exhibit a potentially complex migration path or paths. The present groundwater quality dataset, as summarized on *Table 5*, documents chlorinated VOC concentrations in groundwater at levels below the typical saturation values for PCE and TCE in



water. However, two monitoring wells screened across the top of the bedrock aquifer may not be considered sufficient to adequately evaluate the nature and extent of chlorinated VOC in groundwater sampled from the bedrock aquifer, and additional delineation of the source and/or extent of VOC in the bedrock aquifer may be warranted following the demolition of the site building. Further assessment may include further evaluation of the contaminant distribution and groundwater flow in the bedrock.

PAH concentrations greater than the MassDEP Freshwater Sediment Screening Criteria were identified in sediment samples collected from the banks of Mine Brook. The presence of PAHs may be attributed to the historic application of fill material at the site, and/or industrial discharges to Mine Brook. Further delineation of PAH in sediment may be warranted to adequately characterize the extent of PAH in sediment at the site.

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## 6.5 Migration Pathways

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. VOC in shallow soil can potentially also volatilize and migrate into building structures located above soil containing VOC. The on-site building is not presently occupied, and under foreseeable conditions will not be occupied due to its compromised structure. Prior to future redevelopment of the site VOC migration in unsaturated soil should be evaluated.

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 with depth from overburden groundwater to bedrock groundwater may indicate a chlorinated VOC pathway downward to the deeper bedrock aquifer.

The elevated chlorinated VOC concentrations identified beneath the site building at well MW-19 may indicate a historical direct release from the facility to the bedrock aquifer. A system of trench drains in the basement may have served as a historical direct migration pathway to the shallow bedrock fractures. Migration of COC in the bedrock aquifer is considered to be via fracture flow, and may not be well defined by the equipotential contours representing 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 through site soil and sediment and into on-site buildings is not expected due to the generally low mobility of metals and PAH in these media.

## 7 Preliminary MCP Risk Characterization

This preliminary Method 1 risk characterization was prepared to address the requirements set forth in 310 CMR 40.0900 of the MCP.

Per 310 CMR 40.0942(1)(b), and based on the available analytical data collected to date, a combined Method 1 and Method 3 risk characterization will be appropriate to characterize risks prior to achieving a permanent solution at this disposal site. Method 1 is appropriate to characterize risk to human health from COC detected in soil and groundwater samples collected at the site. A Method 3 risk characterization is appropriate to characterize exposure risks posed by OHM in sediment, potential ecological risks, and may also be required to characterize risk associated with a potential vapor intrusion pathway.

CSA activities conducted at the disposal site have identified the presence of PAH in sediment at levels above the MassDEP-published Stage I Freshwater Sediment Screening Criteria, as identified on *Table 6*. In accordance with MassDEP-published guidance, the presence of one or more contaminants in sediment at concentrations above the Stage I screening values requires a Stage II Risk Characterization. A characterization of the risk associated with the sediment exposure pathway utilizing Method 3 will be conducted following additional assessment and/or remediation activities, and will be incorporated into the Response Action Outcome. If future development plans for the site include the construction of occupied structures, the Method 3 Risk Characterization may include an assessment of risk associated with a potential vapor intrusion pathway, potential bioaccumulating COC, and other exposure pathways outside the defined scope of an MCP Method 1 risk characterization.

The preliminary Method 1 Risk Characterization documented in the following sections was performed in accordance with 310 CMR 40.0942 and 310 CMR 40.0970 to assess the risk of harm to human health, public welfare, and the environment from the soil and groundwater exposure pathways. Free product was not observed at the site nor has free product been detected in any on-site monitoring well.

As detailed below, site specific data do not support the conclusion that there is a “Condition of No Significant Risk” at the disposal site.

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### 7.1 Hazard Identification

#### 7.1.1 Identification of Constituents of Concern

CSA activities documented the following COC in environmental media at the site at concentrations greater than background levels:

- **Soil:** lead, nickel, chromium, petroleum (EPH & VPH fractions), PAH, PCE, PCE
- **Shallow Overburden Groundwater:** lead, PCE, TCE
- **Bedrock Groundwater:** PCE, TCE

- **Sediment:** PAH
- **Surface Water:** Lead

### 7.1.2 Background Levels

Background is assumed to be non-detect for petroleum and VOC in soil and groundwater. Site-specific background values for sediment and surface water may be established as part of the forthcoming Method 3 risk characterization, and are not addressed herein.

A comparison of soil analytical data from the disposal site to MassDEP-published background concentrations for “natural” soil indicates that PAH concentrations in disposal-site soil were generally less than published background concentrations. At borings MW-2 and MW-3, PAH concentrations in soil samples were within one order of magnitude of the published natural soil values. Metals in soil at the disposal site were generally below the background concentrations in 21 of the 26 soil samples analyzed for metals. Concentrations of metals exceeded background in soil samples collected from borings MW-2, B-4, MW-5 and B-10.

Chlorinated solvents were detected in groundwater samples collected from shallow overburden wells MW-2, MW-3, MW-4, and MW-16, and from all four bedrock wells (MW-13, MW-14, MW-18 and MW-19). Low levels of the VOCs methyl tert-butyl ether (MTBE), 1,1-dichloroethene, cis-1,2-dichloroethene and acetone were detected in groundwater samples collected from wells MW-4, MW-13, MW-18 and MW-19. Reported concentrations of petroleum hydrocarbons (VPH and EPH fractions) were below MCP Method 1 soil and groundwater standards.

Metals were detected in groundwater samples collected from each well at the site. Samples collected from wells MW-18 and MW-19 were not analyzed for metals, as the purpose of those wells was to evaluate a potential VOC source beneath the Lot 27 building.

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## 7.2 Exposure Assessment

### 7.2.1 Exposure Pathways

Based on current site use, the primary risk to human health through exposure to COC at the disposal site is through either ingestion or direct contact with contaminated soil or groundwater, and/or through the migration of volatile COC to indoor air. Lead, nickel, chromium and PAH have typically low solubility and are relatively immobile in environmental media. Due to their low volatility, metals and PAH present at the disposal site are not expected to migrate as vapors to indoor air. Chlorinated VOC dissolved in groundwater or present as DNAPL may volatilize and migrate through soil gas and/or bedrock fractures to indoor air. An evaluation of the indoor air pathway using multiple lines of evidence may be warranted, although the design and execution of a vapor intrusion investigation should proceed only when site development plans are finalized and the future use(s) of the site is established.

## 7.2.2 Identification of Human Receptors

Under current use, human receptors identified for the disposal site include site workers and trespassers, ranging from children to adults. The frequency of use by these receptors would be considered “low,” and the intensity of use would be considered “low,” in accordance with 310 CMR 40.0933(4). Future uses may also include children and adult receptors, and the intensity and frequency of use may be considered “low” or “high” depending on the specific future use. Both the intensity and frequency of use for a future residential use would be considered “high” in accordance with 310 CMR 40.0933(4), if paved areas or structures are not sufficiently restricting access to contaminated environmental media.

## 7.2.3 Identification of Environmental Receptors

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 MassDEP Bureau of Waste Site Cleanup Site Scoring Map, included with the Phase I Initial Site Investigation Report, 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.

Prior to achieving a permanent solution at the disposal site, a Method 3 risk characterization will be warranted to characterize risk to environmental receptors.

## 7.2.4 Current and Reasonably Foreseeable Site Activities and Uses

Currently, the disposal site is a vacant former light industrial property. Surficial areas of the disposal site consist of non-paved areas with interspersed areas of deteriorated pavement, an asphalt-paved parking area located south of Mine Brook, and areas beneath the concrete building foundations. Based on the Phase I Initial Site Assessment, there are no municipal wells or public water supply wells within the disposal site or within 0.5 mile of the disposal site.

The site buildings are currently in poor condition, and will need to be razed as part of any future development plan. The disposal site is located within a commercial and light industrial area of Franklin, with residential zones to the south and west. The Town’s preferred future use(s) for the site is commercial and/or light industrial. For the purpose of this preliminary risk characterization, future use of the property considered restricted commercial/industrial, non-

residential use. An Activity and Use Restriction (AUL) would be required to maintain such a restricted use.

## 7.2.5 Applicable Soil Category

In accordance with 310 CMR 40.0933, soil categories are determined by four site-specific factors: frequency of site use, intensity of site use, accessibility of the soil, and the age of human receptors present at the site. Based on the present determination of current and reasonably foreseeable uses of the disposal site, soil is categorized as S-2 and S-3 for current and reasonably foreseeable uses. The rationale for this designation is as follows:

Frequency of use: As the site is currently an abandoned and dilapidated manufacturing facility, , the frequency of use for adults and children trespassers is “low.”

- Intensity of use: For current uses, intensity of use by both children and adults is considered “low” because present site activities are not expected to result in direct contact of adults and children with site soil.
- Accessibility: Residual contamination in soil is present at several locations on the disposal site at depths within three (3) feet below the ground surface. These areas are generally unpaved, or have deteriorated pavement. Therefore, soil is characterized as “accessible.”

## 7.2.6 Applicable Groundwater Category

Per 310 CMR 40.0932(2), groundwater beneath all disposal sites in the Commonwealth is categorized as GW-3. Because the disposal site is served by public water and there are no private wells within 500 feet of the disposal site, groundwater beneath the disposal site is not classified as GW-1. Per 310 CMR 40.0932(6), groundwater is “...defined to be in category GW-2 if it is located within 30 feet of an existing or planned building or structure that is or will be occupied, and the average annual depth to groundwater in that area is 15 feet or less.” Under present use, the dilapidated site buildings are not considered “occupied.” Future site development plans may include the construction of an occupied structure or structures on the disposal site. Groundwater beneath the disposal site within 30 feet of such occupied structures would be additionally classified as GW-2. As summarized in *Section 2.3*, above, none of the MCP GW-1 inclusionary criteria apply to the site.

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## 7.3 Quantification of Exposure

### 7.3.1 Soil Exposure Points

Three soil exposure points were considered: the primary exposure point included the majority of the disposal site, a second exposure point at the discrete “hot spot” centered around boring B-4, and a third exposure point centered around boring B-15, as depicted on *Figure 2*. The basement of the Lot 27 building was constructed directly on bedrock, and so no exposure risk was assessed for soil in this area of the site. Soil in the vicinity of boring B-15 contained elevated levels of chlorinated VOC relative to the majority of the site. Soil in the vicinity of

boring MW-5 contained elevated concentrations of metals relative to the majority of the site. However, these concentrations did not constitute a “hot spot” and were thus incorporated into the exposure point encompassing the majority of the site. Per 310 40.0924(4), a separate EPC was calculated for each exposure point, including the hot spot. Outside of the boring B-4 hot spot, the exposure point concentrations (EPC) for each COC was calculated as the arithmetic mean of COC concentrations from soil sample points located within the disposal site, or within the B-15 exposure point. *Table 9* represents the resulting EPCs and applicable MCP Method 1 standards. Soil EPCs exceed the MCP Method 1 S-2 soil standards for TCE and PCE within both the hot spot centered on boring B-4 and for the exposure point centered on boring B-15. Soil EPCs are less than applicable S-2 and S-3 soil standards for GW-2 and GW-3 groundwater areas over the remaining portion of the disposal site. Therefore, with respect to soil, a condition of “No Significant Risk” does not exist for the disposal site for both current and reasonably foreseeable uses.

### 7.3.2 Groundwater Exposure Points

Consistent with MassDEP risk guidance, each monitoring well located within the disposal site boundary was considered as an exposure point. For all COC the maximum groundwater concentration of each COC detected in groundwater samples collected at the site was compared to applicable GW-2 and GW-3 standards. A summary of groundwater EPCs and applicable standards are presented in *Table 10*.

The EPC for lead, both dissolved and total, exceeded the MCP Method 1 GW-3 standard. The EPCs for TCE and PCE exceeded the GW-2 standard, but were below the GW-3 standard. With respect to the current groundwater dataset, a condition of No Significant Risk exists for the disposal site for current uses, i.e. parking and unoccupied structures. However, under foreseeable uses for the subject property that include the construction of one or more occupied structures, a condition of No Significant Risk does not exist with respect to COC in groundwater.

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## 7.4 Characterization of Risk to Safety

In accordance with 310 CMR 40.0960, site conditions have been evaluated to determine whether they pose, or will in the future pose, a threat of physical harm or bodily injury to people. Examples of potential safety risks include the presence of corroded drums containing oil or hazardous material, or the presence of explosive vapors. Pursuant to the MCP, the disposal site, in its current condition, does not pose a risk to human safety, or the environment from hazards associated with disposal site-related OHM.

The purpose of evaluating the risk of harm to safety is to identify conditions that have resulted or may result in a release of OHM currently or in the foreseeable future that will pose a threat of physical harm or bodily injury to people. A level of no significant risk to safety exists at the disposal site for current and reasonably foreseeable uses because:

- There are no dangerous structures associated with the documented release of OHM at the disposal site, rusted or corroded drums or containers, open pits or lagoons at the disposal site.



- The threat of fire or explosion does not exist from residual soil and groundwater contamination.
- Residual soil and groundwater contamination does not exhibit the characteristics of corrosivity, reactivity or flammability, as described at 310 CMR 40.0347.

Although not a risk to safety pursuant to 310 CMR 40.0960, the Lot 27 building has been condemned and may represent a general physical safety hazard to trespassers. The site buildings have been boarded and otherwise secured by the Town of Franklin to limit access to potential trespassers. Future development plans are anticipated to include the demolition of the site building. An assessment conducted in the Lot 27 building identified hazardous building materials that will be addressed as part of future building demolition.

## 8 Conclusions

The investigations documented herein accomplished the objectives of a CSA as defined by 310 CMR 40.0830 and identified the following conclusions:

- The current conceptual site model includes a release of metals and VOC to shallow soil, a release of VOC to shallow overburden groundwater, and a source of VOC contamination beneath the Lot 27 building.
- Laboratory analysis of groundwater samples documented concentrations of chlorinated VOCs in bedrock groundwater located beneath the Lot 27 building at levels exceeding Method 1 standards. The presence of VOCs in well MW-19 at levels two orders of magnitude greater than the VOC concentrations observed in exterior wells may be attributed to a release originating from beneath the Lot 27 building.
- A Method 1 Risk Characterization documents that a condition of No Significant Risk does not exist with respect to COC in soil at the disposal site. Soil exposure point concentrations for chlorinated VOC exceeded the MCP Method 1 S-2 Standard within a “hot spot” centered around boring B-4, and within a second exposure point centered on boring B-15. The soil exposure point concentrations over the remaining portion of the disposal site were below MCP Method 1 standards.
- Reported concentrations of chlorinated VOC in several wells exceeded the GW-2 standard, but were below the GW-3 standard. A Method 1 Risk Characterization indicated that a condition of No Significant Risk does not exist with respect to TCE and PCE in shallow and bedrock groundwater at the disposal site, under foreseeable uses of the disposal site that includes the construction of an occupied structure.
- A Method 3 Ecological Risk Assessment is warranted to assess the risk to potential receptors from the presence of COC in sediment within Mine Brook. A Method 3 Risk Characterization may also include an assessment of the vapor intrusion pathway at the disposal site, depending on the nature of future site development plans.

- This ESA did not fully define the vertical and horizontal delineation of COC at the disposal site. Physical limitations including the presence of the on-site building limited access for the evaluation of bedrock groundwater. The limitations to the description of the nature and extent of the documented release are described herein. The ESA does not completely define the nature and extent of the bedrock groundwater conditions and the presence or absence of DNAPL. Further assessment of these conditions will be completed following the demolition of the building. Additionally, the shallow soil “hot-spots” were vertically defined. However, the lateral extents of these “hot-spots” are approximate at this time.
- Comprehensive Remedial Actions are required to achieve a Response Action Outcome and permanent solution with respect to the documented OHM releases at the disposal site.



## 9 References

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## 10 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.
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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.
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13. Any use of or reliance on the work product shall constitute acceptance of the terms hereof.

## Tables

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**Table 3**  
**Summary of Groundwater Elevations**

**RTN 2-16694**

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
Prepared for the Town of Franklin

September 2010

Location	Elevation of PVC <sup>a</sup> (feet)	DTW <sup>b</sup> December 8, 2006	Groundwater Elevation December 8, 2006 (feet)	DTW <sup>b</sup> November 6, 2007	Groundwater Elevation November 6, 2007 (feet)	DTW <sup>b</sup> June 4, 2009	Groundwater Elevation June 4, 2009 (feet)	DTW <sup>b</sup> June 24, 2010	Groundwater Elevation June 24, 2010 (feet)
MW-1	100.35	4.16	96.19	4.60	95.75	4.60	95.75	4.48	95.87
MW-2	98.54	7.96	90.58	8.16	90.38	8.14	90.40	8.15	90.39
MW-3	99.73	8.18	91.55	8.07	91.66	8.25	91.48	8.29	91.44
MW-4	98.23	7.56	90.67	*	*	*	*	*	*
MW-5	104.47	8.49	95.98	9.20	95.27	8.80	95.67	9.25	95.22
MW-13	99.31	---	---	6.99	92.32	7.03	92.28	6.97	92.34
MW-14	104.40	---	---	10.41	93.99	10.46	93.94	10.35	94.05
MW-16	100.81	---	---	7.15	93.66	7.21	93.60	7.15	93.66
MW-17	100.37	---	---	4.61	95.76	4.24	96.13	4.12	96.25
MW-18	96.23	---	---	---	---	5.20	91.03	5.29	90.94
MW-19	94.87	---	---	---	---	3.68	91.19	4.41	90.46

**NOTES:**

<sup>a</sup> elevation measured relative to an arbitrary 100.00-foot benchmark at the top of the steel road box of MW-105.

<sup>b</sup> DTW: depth to water in feet, measured from high-point of pvc well casing.

\* Monitoring well destroyed

---: well was not yet installed

Created by: DCL

Reviewed by: PHG

Table 4  
Summary of Detected Parameters in Soil

RTN 2-16694  
Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
Prepared for the Town of Franklin, Massachusetts

September 2010

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		Primary	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	Duplicate 1				
Starting Depth (ftg)		0	5	0	5	0.4	5	0	1	0	5	0	5	0	2	0.5	3	0	5	0	5	0	0	5	0.4	5	10	0.3	6	6			
Ending Depth (ftg)		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)		Units																															
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 < 0.50	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	ND < 0.50	ND < 0.50	ND < 0.50	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	3.2	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)		Units																															
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 < 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 < 5.5	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 < 9.8	ND < 9.2	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 < 1,100	ND < 110	ND < 5.0	ND < 5.3	ND < 110	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	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 < 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 (MassDEP Method)		Units																															
C11-C22 Aromatic Hydrocarbons		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 < 10,000	ND < 11,000	ND < 11,000	NA	60,000	17,000	ND < 12,000
C19-C36 Aliphatic Hydrocarbons		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 < 10,000	38,000	ND < 11,000	ND < 11,000	ND < 10,000	ND < 11,000	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	340	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	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 <																				

**Table 4 (Continued)**  
**MassDEP Criteria for Detected Compounds in Soil and Sediment**

Former Nu-Style Property  
 Grove Street  
 Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
 Prepared for the Town of Franklin, Massachusetts

September 2010

		MassDEP Method 1 Soil Standards				MassDEP Stage I Freshwater Sediment Screening Criteria*
		S-2 Standard for GW-2 area	S-2 Standard for GW-3 area	S-3 Standard for GW-2 area	S-3 Standard for GW-3 area	
<b>Total Metals</b> (EPA Method 6010/7471)	Units					
Antimony	mg/Kg	30	30	30	30	NE
Arsenic	mg/Kg	20	20	20	20	33
Barium	mg/Kg	3,000	3,000	5,000	5,000	NE
Beryllium	mg/Kg	200	200	200	200	NE
Cadmium	mg/Kg	30	30	30	30	5.0
Chromium	mg/Kg	200	200	200	200	110
Copper	mg/Kg	----	----	----	----	150
Lead	mg/Kg	300	300	300	300	130
Mercury	mg/Kg	30	30	30	30	0.18
Nickel	mg/Kg	700	700	700	700	49
Thallium	mg/Kg	60	60	80	80	NE
Zinc	mg/Kg	3,000	3,000	5,000	5,000	460
<b>VPH</b> (MassDEP Method)						
C9-C12 Aliphatics	µg/Kg	3,000,000	3,000,000	5,000,000	5,000,000	
<b>VOC</b> (EPA Method 8260B)						
1,1,1-trichloroethane	µg/Kg	600,000	1,000,000	600,000	3,000,000	NE
Acetone	µg/Kg	50,000	400,000	50,000	400,000	NE
Xylenes (mixed isomers)	µg/Kg	300,000	1,000,000	300,000	3,000,000	NE
Methyl ethyl ketone	µg/Kg	50,000	400,000	50,000	400,000	NE
Naphthalene	µg/Kg	40,000	1,000,000	40,000	3,000,000	180
Tetrachloroethylene	µg/Kg	10,000	200,000	10,000	1,000,000	NE
Toluene	µg/Kg	1,000,000	1,000,000	2,000,000	3,000,000	NE
Trichloroethylene	µg/Kg	2,000	700,000	2,000	2,000,000	NE
<b>EPH</b> (MassDEP Method)						
C19-C36 Aliphatics	µg/Kg	5,000,000	5,000,000	5,000,000	5,000,000	NE
C11-C22 Aromatics	µg/Kg	3,000,000	3,000,000	5,000,000	5,000,000	NE
2-Methylnaphthalene	µg/Kg	80,000	500,000	80,000	500,000	NE
Acenaphthene	µg/Kg	3,000,000	3,000,000	5,000,000	5,000,000	NE
Acenaphthylene	µg/Kg	600,000	10,000	600,000	10,000	NE
Anthracene	µg/Kg	3,000,000	3,000,000	5,000,000	5,000,000	57
Benzo(a)anthracene	µg/Kg	40,000	40,000	300,000	300,000	110
Benzo(a)pyrene	µg/Kg	4,000	4,000	30,000	30,000	150
Benzo(b)fluoranthene	µg/Kg	40,000	40,000	300,000	300,000	NE
Benzo(g,h,i)perylene	µg/Kg	3,000,000	3,000,000	5,000,000	5,000,000	NE
Benzo(k)fluoranthene	µg/Kg	400,000	400,000	3,000,000	3,000,000	NE
Chrysene	µg/Kg	400,000	400,000	3,000,000	3,000,000	170
Dibenzo(a,h)anthracene	µg/Kg	4,000	4,000	30,000	30,000	33
Fluoranthene	µg/Kg	3,000,000	3,000,000	5,000,000	5,000,000	420
Fluorene	µg/Kg	3,000,000	3,000,000	5,000,000	5,000,000	77
Indeno (1,2,3-cd)pyrene	µg/Kg	40,000	40,000	300,000	300,000	NE
Naphthalene	µg/Kg	40,000	1,000,000	40,000	3,000,000	180
Phenanthrene	µg/Kg	1,000,000	1,000,000	3,000,000	3,000,000	200
Pyrene	µg/Kg	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  
 VOC: volatile organic compounds

VPH: Volatile Petroleum Hydrocarbons  
 EPH: Extractable Petroleum Hydrocarbons  
 EPA: United States Environmental Protection Agency  
 MassDEP: Massachusetts Department of Environmental Protection  
 \* Sediment Screening Criteria incorporate Threshold Effect Concentrations  
 of MacDonald et al. (2000) and revised Sediment Screening Criteria published  
 by MassDEP (2005).

Created by: SAH  
 Reviewed by: PHG

Table 5  
Summary of Detected Parameters and Objectives in Groundwater

RTN 2-16694  
Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
Prepared for the Town of Franklin

September 2010

Sample Location		MW-01					MW-02				MW-03				MW-04	MW-05					MassDEP Groundwater Standards	
Sample ID		841061208-27	841061208-28	841071106-03	1028090604-10	1080100624-11	841061208-30	841071107-10	1028090604-05	1080100624-10	841061208-32	841071107-11	1028090604-04	1080100624-07	841061208-29	841061208-31	841071107-09	1028090604-08	1080100624-03		Method 1 GW-2 Groundwater Standard	Method 1 GW-3 Groundwater Standard
Date Collected		12/8/2006	12/8/2006	11/6/2007	6/4/2009	6/24/2010	12/8/2006	11/7/2007	6/4/2009	6/24/2010	12/8/2006	11/7/2007	6/4/2009	6/24/2010	12/8/2006	12/8/2006	11/7/2007	6/4/2009	6/24/2010			
Sample Type		Primary	Duplicate	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary			
Sample Depth (ftg)		9	9	10	10	10	8.5	9	9	8.5	9.5	10	9	9.5	9	9.5	10	9.5	10			
Groundwater Parameters		Units																				
pH		---	5.97	5.97	6.35	6.02	6.19	6.59	6.86	6.26	*	6.33	5.91	*	*	5.97	NA	6.03	5.63	*	----	----
Specific Conductance		µS/cm	464	464	470	689	730	1,727	1,547	4375	*	1,534	3,129	*	2,010	NA	NA	2,981	*	----	----	----
Temperature		C deg	13.1	13.1	17	13	16.7	8.3	13.7	13.9	*	7.6	14.1	*	10.5	NA	13.2	14.8	*	----	----	----
Turbidity		ntu	36	36	20.5	17	13	50	NA	95	*	500	NA	*	15	NA	NA	496	*	----	----	----
Dissolved Oxygen		mg/L	0.4	0.4	0.1	0.3	1.06	7.7	4.9	5.3	*	6.9	4.9	*	2.6	NA	NA	4.7	*	----	----	----
Metals (EPA Method 6010)																						
Barium, Total		mg/L	0.042	0.038	0.031	NA	NA	0.15	NA	NA	0.21	NA	NA	NA	0.14	0.83	NA	NA	NA	NE	50	
Barium, Dissolved		mg/L	NA	NA	NA	NA	NA	0.18	NA	NA	NA	0.17	NA	NA	NA	0.39	NA	NA	NA	NE	50	
Beryllium		mg/L	ND < 0.0010	ND < 0.0010	NA	NA	NA	ND < 0.0010	NA	NA	0.0087	NA	NA	NA	ND < 0.0010	0.0018	NA	NA	NA	NE	0.2	
Cadmium		mg/L	ND < 0.0020	ND < 0.0020	ND < 0.0020	NA	NA	ND < 0.0020	NA	NA	ND < 0.0020	NA	NA	NA	ND < 0.0020	0.0034	NA	NA	NA	NE	0.004	
Chromium		mg/L	ND < 0.010	ND < 0.010	0.0029	NA	NA	ND < 0.010	NA	NA	0.036	NA	NA	NA	ND < 0.01	0.092	NA	NA	NA	NE	0.3	
Copper		mg/L	ND < 0.010	ND < 0.010	NA	NA	NA	0.015	NA	NA	0.018	NA	NA	NA	ND < 0.01	0.073	NA	NA	NA	NE	NE	
Lead, Total		mg/L	0.014	0.012	0.0066	NA	NA	ND < 0.0040	NA	NA	0.098	NA	NA	NA	ND < 0.0040	1.9	NA	NA	NA	NE	0.01	
Lead, Dissolved		mg/L	NA	NA	NA	NA	ND < 0.0010	NA	0.0026	NA	ND < 0.0010	NA	0.006	NA	ND < 0.0010	NA	NA	0.094	NA	0.020	NE	0.01
Nickel		mg/L	ND < 0.010	ND < 0.010	NA	NA	NA	0.15	NA	NA	0.054	NA	NA	NA	0.017	0.12	NA	NA	NA	NE	0.2	
Zinc		mg/L	0.023	0.015	NA	NA	NA	0.057	NA	NA	0.17	NA	NA	NA	0.028	0.73	NA	NA	NA	NE	0.9	
VOC (EPA Method 8260)																						
Acetone		µg/L	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	50,000	50,000
1,1,1-trichloroethane		µg/L	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	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	4,000	20,000
1,1-dichloroethylene		µg/L	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	80	30,000
cis-1,2-dichloroethylene		µg/L	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.7	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	8	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	100	50,000
Methyl tert butyl ether		µg/L	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	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	50,000	50,000
Tetrachloroethylene		µg/L	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	6.6	23	23	43	74	35	28	240	ND < 1.0	1.3	ND < 1.0	ND < 1.0	ND < 1.0	50	30,000
Trichloroethylene		µg/L	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	6.6	25	17	17	40	59	20	28	150	ND < 1.0	ND < 1.0	1.1	1.2	30	5,000

Sample Location		MW-13				MW-14				MW-16			MW-17			MW-18		MW-19		MassDEP Regulatory Standards			
Sample ID		841071106-05	841071106-06	1028090604-03	1080100624-08	841071106-04	1028090604-07	1080100624-04	1080100624-05	841071107-08	1028090604-06	1080100624-06	841071106-01	841071106-02	1028090604-09	1080100624-09	1028090604-01	1080100624-01	1028090604-02	1080100624-02	Method 1 GW Std Application for GW-2 area	Method 1 GW Std Application for GW-3 area	
Date Collected		11/6/2007	11/6/2007	6/4/2009	6/24/2010	11/6/2007	6/4/2009	6/24/2010	6/24/2010	11/7/2007	6/4/2009	6/24/2010	11/6/2007	11/6/2007	6/4/2009	6/24/2010	6/4/2009	6/24/2010	6/4/2009	6/24/2010			
Sample Type		Primary	Duplicate	Primary	Primary	Primary	Primary	Primary	Duplicate	Primary	Primary	Primary	Primary	Duplicate	Primary	Primary	Primary	Primary	Primary	Primary			
Sample Depth (ftg)		30	30	32	32	20	15	22	22	8	8	8	10	10	8	12	6	8	8	6			
Groundwater Parameters		Units																					
pH		---	5.68	5.68	5.7	4.54	5.78	5.64	5.65	5.65	5.91	5.64	4.81	6.36	6.36	6.32	6.27	*	*	5.97	6.15	----	----
Specific Conductance		µS/cm	3,761	3,761	6,148	4,798	3,065	6,171	4,685	4,685	2,543	4,281	3,150	494	494	748	673	*	*	4,836	4,203	----	----
Temperature		C deg	12	12	10.9	13.39	15.5	12.5	15.73	15.73	14.9	12.7	17.9	17.9	14.5	18.41	*	*	10.5	12.22	----	----	
Turbidity		ntu	4.6	4.6	4.1	**	3.3	30	4.4	4.4	8.9	80	2.8	4.4	4.4	32	49	110	*	4.7	0.05	----	----
Dissolved Oxygen		mg/L	2.8	2.8	11.2	4.78	3.5	10.6	4.85	4.85	1.6	10.5	3.83	0.1	0.1	2.6	0.46	*	*	5.9	1.72	----	----
Metals (EPA Method 6010)																							
Barium, Total		mg/L	0.24	0.25	NA	NA	0.12	NA	NA	NA	0.11	NA	NA	0.06	0.061	NA	NA	NA	NA	NA	NE	50	
Barium, Dissolved		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NE	50	
Beryllium		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NE	0.2	
Cadmium		mg/L	ND < 0.0020	ND < 0.0020	NA	NA	ND < 0.0020	NA	NA	NA	ND < 0.0020	NA	NA	ND < 0.0020	ND < 0.0020	NA	NA	NA	NA	NA	NE	0.004	
Chromium		mg/L	ND < 0.0020	ND < 0.0020	NA	NA	ND < 0.0020	NA	NA	NA	ND < 0.0020	NA	NA	ND < 0.0020	ND < 0.0020	NA	NA	NA	NA	NA	NE	0.3	
Copper		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NE	NE	
Lead, Total		mg/L	0.0033	0.0053	NA	NA	ND < 0.0020	NA	NA	NA	ND < 0.0020	NA	NA	ND < 0.0020	ND < 0.0020	NA	NA	NA	NA	NA	NE	0.01	
Lead, Dissolved		mg/L	NA	NA	NA	ND < 0.0010	NA	NA	0.0026	ND < 0.0010	NA	NA	ND < 0.0010	NA	NA	NA	ND < 0.0010	NA	ND < 0.0010	NA	0.0015	NE	0.01
Nickel		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NE	0.2	
Zinc		mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NE	0.9	
VOC (EPA Method 8260)																							
Acetone		µg/L	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10	37	ND < 10	ND < 400	ND < 10	50,000	50,000
1,1,1-trichloroethane		µg/L	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	19	ND < 1.0	120	82	4,000	20,000
1,1-dichloroethylene		µg/L	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 40	1.0	80	30,000
cis-1,2-dichloroethylene		µg/L	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.9	1.9	2.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	2.5	1.2	ND < 40	8.4	100	50,000
Methyl tert butyl ether		µg/L	1.5	1.4	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 40	1.6	50,000	50,000
Tetrachloroethylene		µg/L	290	260	64	27	12	6.0	18	16	41	81	79	ND < 1.0	ND < 1.0	ND < 1.0	1.2	7.2	39	3,600	2,500	50	30,000
Trichloroethylene		µg/L	60	56	12	13	20	6.8	19	18	45	64	69	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	13	27	1,800	1,300	30	5,000



**Table 6**  
**Summary of Detected Parameters in Sediment**

**RTN 2-16694**

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
Prepared for the Town of Franklin, Massachusetts

September 2010

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		Primary	Primary	Primary	Duplicate	Primary	Primary	Duplicate	Primary	Primary
Starting Depth (fbg)		0	0	0	0	0	0	0	0	0
Ending Depth (fbg)		0.2	0.2	0.2	0.2	0.2	0.25	0.25	0.25	0.25
<b>Metals</b> (EPA Method 6010)	Units									
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</b> (EPA Method 8260)										
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</b> (MassDEP Method/EPA Method 8270)										
C11-C22 Aromatic Hydrocarbons	µg/Kg	14,000	ND < 12,000	ND < 12,000	ND < 12,000	ND < 12,000	NA	NA	NA	NA
C19-C36 Aliphatic Hydrocarbons	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

fbg: feet below grade

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 MassDEP Method

Bold and shaded values indicate exceedance of Sediment Screening Criteria listed in Table 4.

Created by: SAH

Reviewed by: PHG

**Table 7**  
**Summary of Detected Parameters and Objectives in Surface Water**

**RTN 2-16694**  
Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
Prepared for the Town of Franklin, Massachusetts

September 2010

Sample Location		SW-01	SW-02	SW-03	SW-03	SW-04	MassDEP Method 1 GW-3 Groundwater Standard	EPA Chronic Criteria Continuous Concentrations
Sample ID		841070426-01	841070426-02	841070426-03	841070426-04	841070426-05		
Date Collected		4/26/2007	4/26/2007	4/26/2007	4/26/2007	4/26/2007		
Sample Type		Primary	Primary	Primary	Duplicate	Primary		
<b>Metals</b> (EPA Method 6010)	Units							
Barium	mg/L	0.086	0.085	0.084	0.083	0.083	50	NE
Copper	mg/L	0.0040	0.0023	ND < 0.0020	0.0041	0.0023	NE	0.0090
Lead	mg/L	ND < 0.0020	ND < 0.0020	0.0033	ND < 0.0020	ND < 0.0020	0.01	0.0025
Zinc	mg/L	0.018	0.017	0.017	0.016	0.015	0.9	0.12
<b>VOC</b> (EPA Method 8260)	µg/L	ND < varies	ND < varies	ND < varies	ND < varies	ND < varies	Varies	Varies
<b>VPH</b> (MassDEP Method)								
Methyl tert-butyl ether (MTBE)	µg/L	ND < 1.0	1.1	ND < 1.0	1.1	ND < 1.0	50,000	NE
<b>EPH</b> (MassDEP Method)	µg/L	ND < varies	ND < varies	ND < varies	ND < varies	ND < varies	Varies	Varies

**NOTES:**

MassDEP: Massachusetts Department of Environmental Protection  
EPA: United States Environmental Protection Agency  
VOC: volatile organic compounds  
VPH: Volatile petroleum hydrocarbons  
EPH: Extractable petroleum hydrocarbons  
ND <X: compound not detected above laboratory reporting limit  
NE: not established

Created by: SAH  
Reviewed by: PHG

**Table 8**  
**Summary of Detected Parameters in Confirmation Soil Samples**

**RTN 2-16694**  
Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
Prepared for the Town of Franklin, Massachusetts

September 2010

	Sample Location	East Sidewall	West Sidewall	North Sidewall	East Bottom	West Bottom	South Sidewall
	Sample Number	841070502-01	841070502-02	841070502-03	841070502-04	841070502-05	841070502-06
	Sample Depth (fbg)	3.0	4.0	3.0	8.0	9.0	4.0
Metals (EPA Method 6010)	Units						
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
EPH (MassDEP Method)							
C9-C18 Aliphatic Hydrocarbons	µg/Kg	19,000	ND < 10,000	ND < 10,000	66,000	ND < 10,000	ND < 10,000
C19-C36 Aliphatic Hydrocarbons	µg/Kg	61,000	ND < 10,000	ND < 10,000	140,000	ND < 10,000	ND < 10,000
C11-C22 Aromatic Hydrocarbons	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	1100	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
VOCs (EPA Method 8260)							
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:**

MassDEP: Massachusetts Department of Environmental Protection  
EPA: United States Environmental Protection Agency  
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 **SAH**  
Reviewed by **PLG**

**Table 9**  
**Summary of Soil Exposure Point Concentrations**

**RTN 2-16694**

Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
Prepared for the Town of Franklin, Massachusetts

September 2010

		B-4 Hot Spot EPC-MEAN	B-15 Area EPC-MEAN	Remaining Disposal Site EPC-MEAN
<b>Metals (EPA Method 6010)</b>	Units			
Antimony	mg/Kg	ND	ND	1.2
Arsenic	mg/Kg	1.3	0.8	1.5
Barium	mg/Kg	36	19.9	30
Beryllium	mg/Kg	0.35	0.49	0.24
Cadmium	mg/Kg	0.27	0.20	0.20
Chromium	mg/Kg	6.9	5.1	10
Copper	mg/Kg	16	15	31
Lead	mg/Kg	15	32	79
Mercury (EPA Method 7471)	mg/Kg	0.043	0.033	0.04
Nickel	mg/Kg	30	4.3	11
Zinc	mg/Kg	23	31	49
<b>VOC (EPA Method 8260)</b>				
1,1,1-trichloroethane	µg/Kg	ND	ND	8.6
Acetone	µg/Kg	ND	ND	21
M/P-xylenes	µg/Kg	ND	ND	5.3
Methyl ethyl Ketone	µg/Kg	ND	ND	9.7
Naphthalene	µg/Kg	ND	ND	25
Tetrachloroethylene	µg/Kg	<b>17,500</b>	<b>15,732</b>	32
Toluene	µg/Kg	ND	ND	6.4
Trichloroethylene	µg/Kg	<b>25,000</b>	<b>5,086</b>	22
<b>EPH with Targets (MassDEP Method)</b>				
C11-C22 Aromatic Hydrocarbons	µg/Kg	50,500	34,750	34,158
C19-C36 Aliphatic Hydrocarbons	µg/Kg	ND	14,000	14,632
2-Methylnaphthalene	µg/Kg	ND	ND	119
Acenaphthene	µg/Kg	ND	ND	173
Acenaphthylene	µg/Kg	240	170	223
Anthracene	µg/Kg	155	203	396
Benzo(a)anthracene	µg/Kg	320	570	746
Benzo(a)pyrene	µg/Kg	ND	583	595
Benzo(b)fluoranthene	µg/Kg	335	583	785
Benzo(k)fluoranthene	µg/Kg	140	298	366
Chrysene	µg/Kg	615	288	785
Fluoranthene	µg/Kg	395	615	1,508
Fluorene	µg/Kg	ND	ND	166
Indeno (1,2,3-cd)pyrene	µg/Kg	ND	148	165
Phenanthrene	µg/Kg	170	238	1,107
Pyrene	µg/Kg	440	703	1,303
<b>VPH with Targets (MassDEP Method)</b>				
C9-C12 Aliphatic Hydrocarbons	µg/Kg	ND	ND	7,532

**NOTES:**

MassDEP: Massachusetts Department of Environmental Protection

mg/Kg: milligrams per kilogram

µg/Kg: micrograms per kilogram

VOC: volatile organic compounds

EPH: Extractable Petroleum Hydrocarbons

VPH: Volatile Petroleum Hydrocarbons

ND: compound not detected above laboratory reporting limit in samples located within the boundaries of the exposure point

EPC-MEAN: Exposure Point Concentration - The arithmetic mean of compound-of-concern concentrations.

Non-detect results were set equal to the full reporting limit.

Bold and shaded values indicate exceedence of one or more regulatory criteria listed on Table 4.

Created by: SAH

Reviewed by: PHG

Table 10  
Summary of Groundwater Exposure Point Concentrations

RTN 2-16694  
Former Nu-Style Property  
Grove Street  
Franklin, Massachusetts

Phase II Comprehensive Site Assessment Report  
Prepared for the Town of Franklin

September 2010

		Monitoring Well ID	EPC-MAX	MassDEP Groundwater Standards	
				Method 1 GW-2 Groundwater Standard	Method 1 GW-3 Groundwater Standard
Metals (EPA Method 6010)	Units				
Barium, Total	mg/L	MW-5	0.83	NE	50
Barium, Dissolved	mg/L	MW-5	0.39	NE	50
Beryllium	mg/L	MW-3	0.0087	NE	0.2
Cadmium	mg/L	MW-5	0.0034	NE	0.004
Chromium	mg/L	MW-5	0.092	NE	0.3
Copper	mg/L	MW-5	0.073	NE	NE
Lead, Total	mg/L	MW-5	1.9	NE	0.01
Lead, Dissolved	mg/L	MW-5	0.094	NE	0.01
Nickel	mg/L	MW-2	0.15	NE	0.2
Zinc	mg/L	MW-5	0.73	NE	0.9
VOC (EPA Method 8260)					
Acetone	µg/L	MW-18	37	50,000	50,000
1,1,1-trichloroethane	µg/L	MW-18	120	4,000	20,000
cis-1,2-dichloroethylene	µg/L	MW-4	8	100	50,000
Methyl tert butyl ether	µg/L	MW-4	2	50,000	50,000
Tetrachloroethylene	µg/L	MW-19	3,600	50	30,000
Trichloroethylene	µg/L	MW-19	1,800	30	5,000

NOTES:

MassDEP: Massachusetts Department of Environmental Protection

EPA: United States Environmental Protection Agency

EPC - MAX: Exposure Point Concentration - The maximum concentration of a compound of concern detected in water sample in any monitoring round.

NE: not established

fbg: feet below grade

mg/L: milligrams per liter

µg/L: micrograms per liter

VOC: Volatile organic compounds

Bold and shaded values indicate exceedence of one or more regulatory criteria.

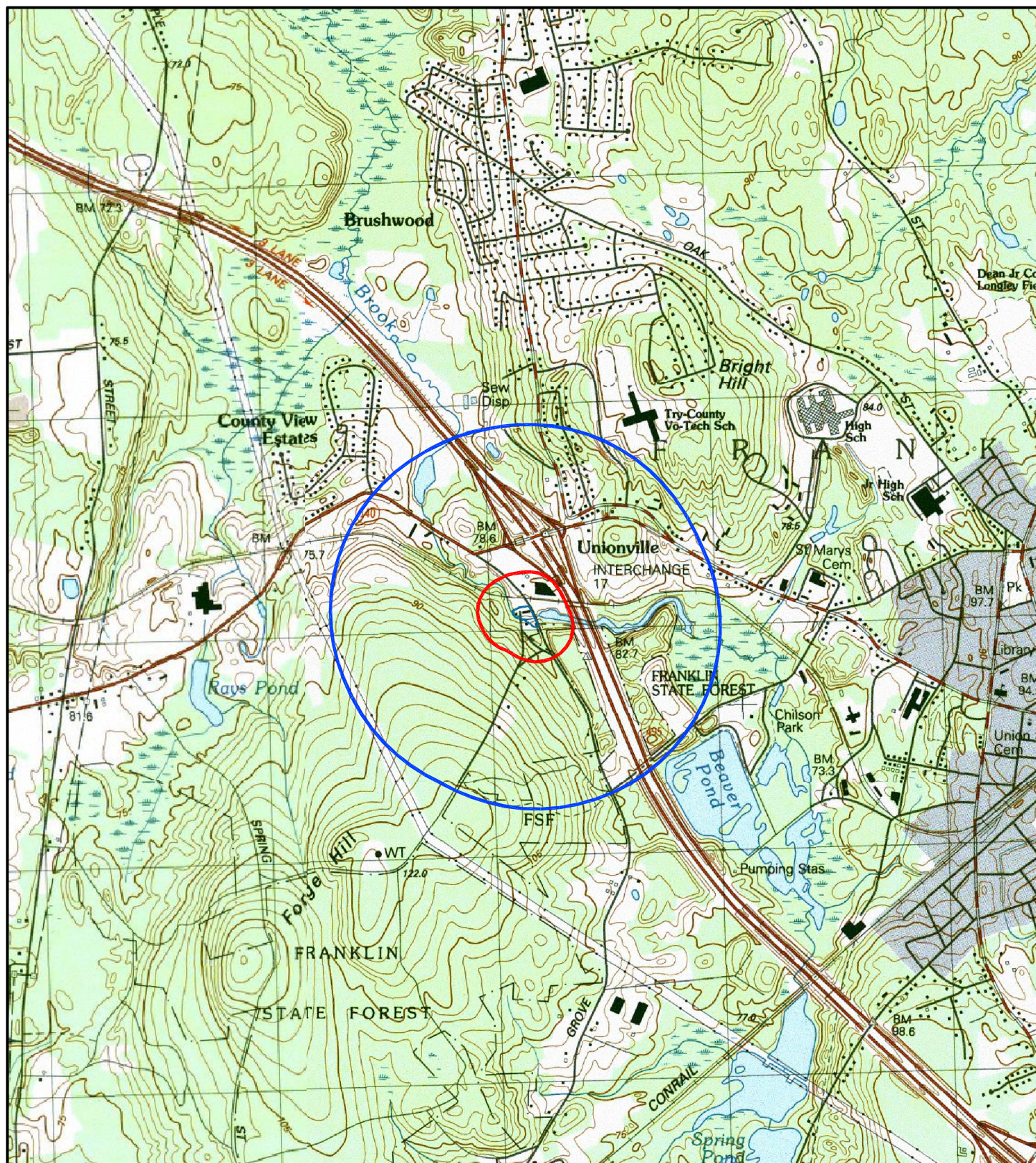
Created by: SAH

Reviewed by: PHG

## Figures

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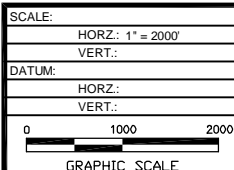
### MAP REFERENCE

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### LEGEND

- 500 FOOT RADIUS
- 1/2 MILE RADIUS
- APPROXIMATE SUBJECT PROPERTY BOUNDARY



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FORMER NU-STYLE PROPERTY  
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87 GROVE STREET

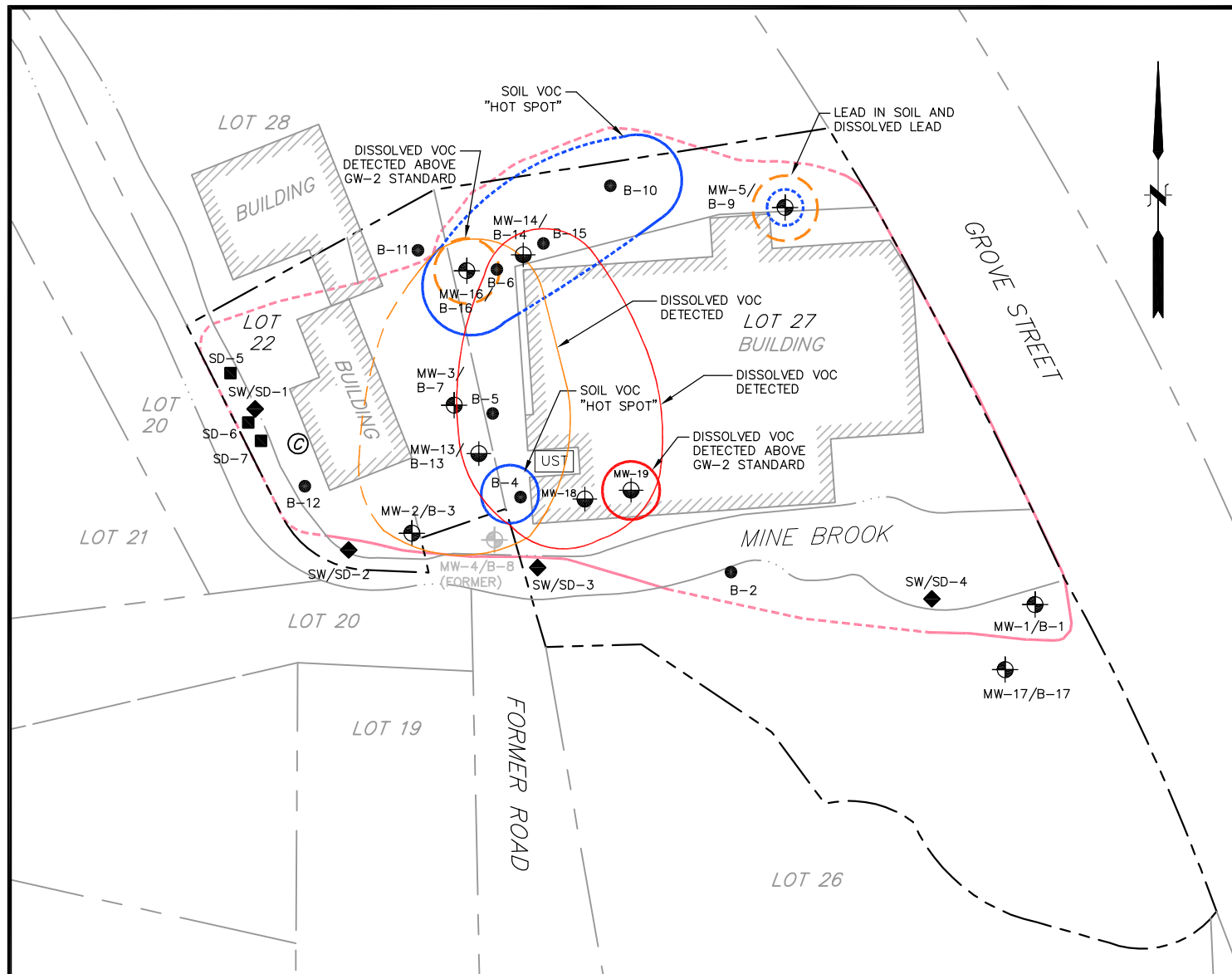
FRANKLIN

MASSACHUSETTS

PROJ. No.: 20050458.F25  
DATE: APRIL 2010

**FIGURE 1**





### LEGEND

	APPROXIMATE PROPERTY BOUNDARY		SHALLOW BEDROCK MONITORING WELL
	DISPOSAL SITE BOUNDARY (DASHED WHERE APPROXIMATE)		SOIL BORING
	OVERBURDEN SOIL RELEASE AREA (DASHED WHERE APPROXIMATE)		APPROXIMATE LOCATION OF SURFACE WATER AND SEDIMENT SAMPLE
	OVERBURDEN GROUNDWATER RELEASE AREA (DASHED WHERE APPROXIMATE)		APPROXIMATE LOCATION OF SEDIMENT SAMPLE
	BEDROCK GROUNDWATER RELEASE AREA (DASHED WHERE APPROXIMATE)		APPROXIMATE LOCATION OF CONCRETE PIPE POTENTIALLY ASSOCIATED WITH A TUNNEL/WATER RUN
	LOCATION OF UST (REMOVED)		
	OVERBURDEN MONITORING WELL		

### REFERENCE:

BASEMAP FEATURES WERE BASED ON INFORMATION OBTAINED FROM THE TOWN OF FRANKLIN ASSESSOR'S MAP 276.

### NOTES:

LARGER SOLID LINES DENOTE AREAS IN WHICH GROUNDWATER SAMPLES HISTORICALLY CONTAINED DETECTED CONCENTRATIONS OF CHLORINATED VOC, WHILE SMALLER, BOLDER DASHED LINES DENOTE AREAS WHERE JUNE 2010 SAMPLES CONTAINED CONCENTRATIONS OF CHLORINATED VOC GREATER THAN MCP STANDARDS.

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



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

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TOWN OF FRANKLIN  
DISPOSAL SITE PLAN  
FORMER NU-STYLE PROPERTY

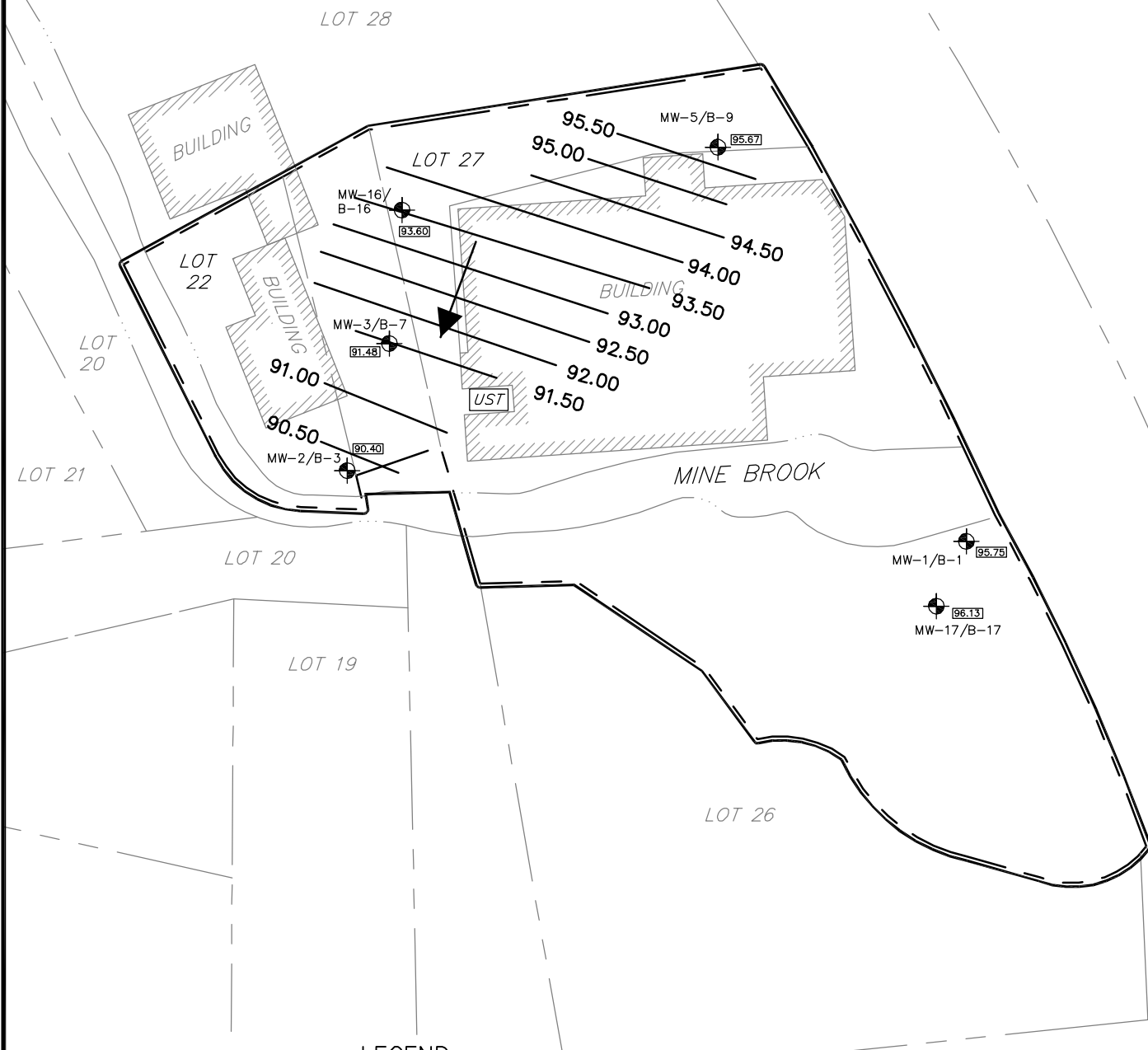
87 GROVE STREET

FRANKLIN, MASSACHUSETTS


PROJ. No.: 20050458.F25  
DATE: SEPTEMBER 2010

FIGURE 2

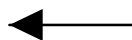




### LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- DISPOSAL SITE BOUNDARY
- UST LOCATION OF UST (REMOVED)
-  SHALLOW MONITORING WELL

95.75



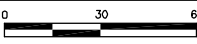
GROUNDWATER CONTOUR

GROUNDWATER ELEVATION

APPROXIMATE GROUNDWATER GRADIENT

### REFERENCE:

BASEMAP FEATURES WERE BASED ON INFORMATION OBTAINED FROM THE TOWN OF FRANKLIN ASSESSOR'S MAP 276.

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



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

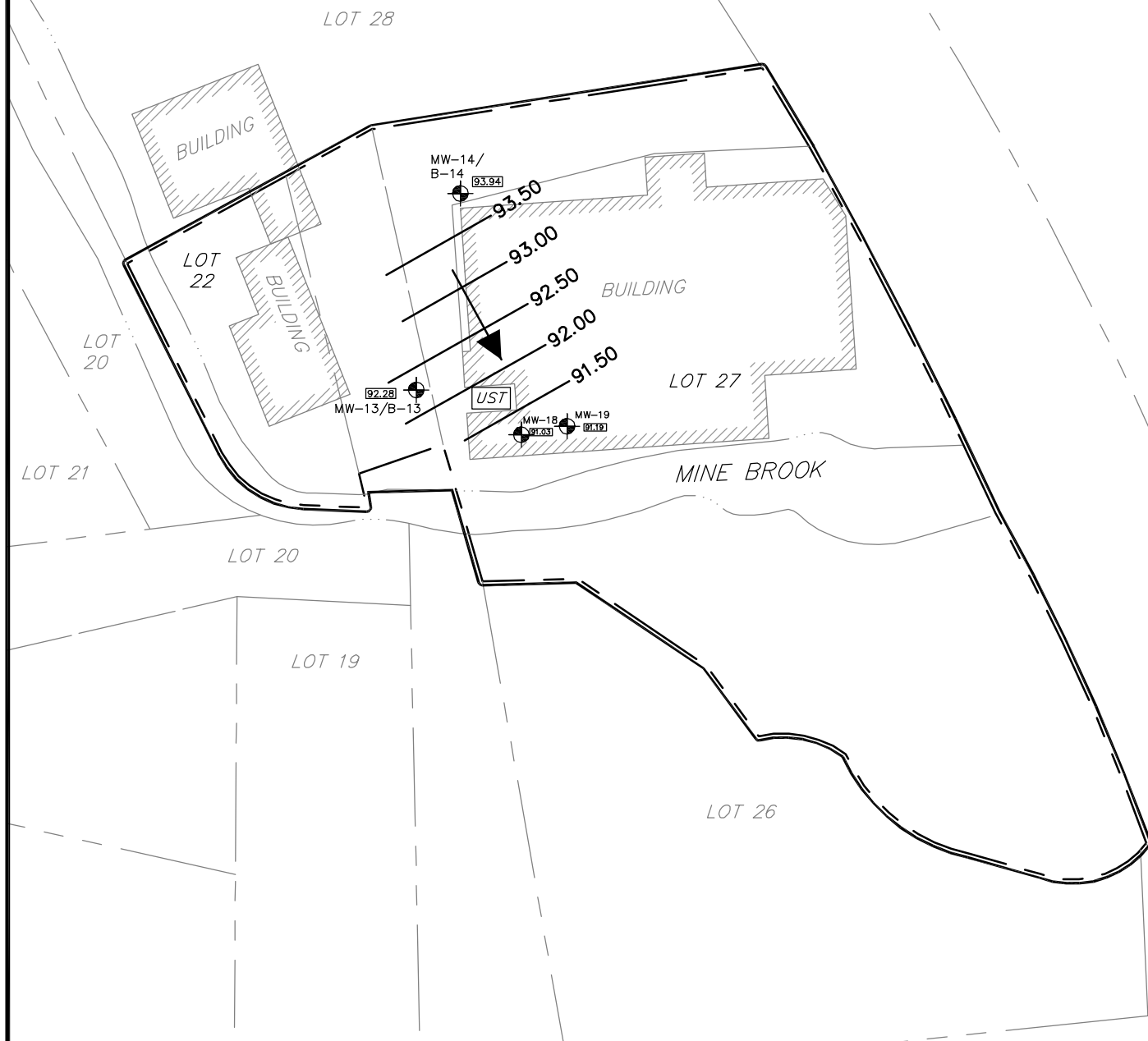
317 IRON HORSE WAY SUITE 204 PROVIDENCE RI 02908 401.861.3070

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FORMER NU-STYLE PROPERTY  
OVERBURDEN GROUNDWATER  
EQUIPOTENTIAL CONTOUR MAP - JUNE 2009  
87 GROVE STREET  
FRANKLIN MASSACHUSETTS

PROJ. No.: 20050458.F25  
DATE: APRIL 2010

**FIGURE 3**



### LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- DISPOSAL SITE BOUNDARY
- UST LOCATION OF UST (REMOVED)
- BEDROCK MONITORING WELL
- GROUNDWATER CONTOUR
- 91.19 GROUNDWATER ELEVATION
- APPROXIMATE GROUNDWATER GRADIENT

### REFERENCE:

BASEMAP FEATURES WERE BASED ON INFORMATION OBTAINED FROM THE TOWN OF FRANKLIN ASSESSOR'S MAP 276.

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



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FORMER NU-STYLE PROPERTY  
BEDROCK GROUNDWATER  
EQUIPOTENTIAL CONTOUR MAP - JUNE 2009  
87 GROVE STREET  
FRANKLIN MASSACHUSETTS


PROJ. No.: 20050458.F25  
DATE: APRIL 2010

**FIGURE 4**






## Appendix A

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### Boring Logs and Monitoring Well Completion Reports

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>317 IRON HORSE WAY, SUITE 204, 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: Field Instrument: Photovac 2020 Refusal at 7.5 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: 7.50' 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				SP	
-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.		RK	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: SAH
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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>317 IRON HORSE WAY, SUITE 204, 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>0.58</b> Coordinate Y: <b>0.38</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: 9.00' fm: to: fm: to: fm: to:	

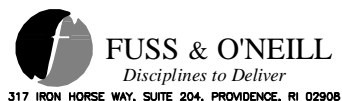
  

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		-07		0-0.3': Sand, F-M and gravel; light olive gray (5Y 2/2), dry. 0.3-5.0': SAND, F-M; some gravel; dusky brown (5YR 2/2).		SW	0 ppm
-2	2	N/A					
-4	4						
-6	6	N/A		SAND, F-M; some gravel; dusky brown (5YR 2/2), 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						


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Site Id: B-05  
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>11/30/06 – 11/30/06</b>	Coordinate X: <b>0.00</b>	Drilling Method: <b>Geoprobe</b>	
Total Depth: <b>9.00'</b>	Coordinate Y: <b>0.00</b>	Back Fill:	
Remarks: Field Instrument: Photovac 2020		type: Native Material	fm: 0.00' to: 9.00'
Refusal at 9.0 feet.		type:	fm: to:
		type:	fm: to:
		type:	fm: to:
		type:	fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		N/A		0-0.4': ASPHALT.		AS	0 ppm
-0.09				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					
-4	4					SP	
-10				5.0-6.2': Same as above.			0 ppm
-6	6			6.2-9.0': Sand, M and gravel; dusky yellow (5Y 6/4), wet.			
-8	8	N/A				SW	
-10	10			End of boring at 9.0 feet.			
-12	12						
-14	14						
-16	16						
-18	18						


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>317 IRON HORSE WAY, SUITE 204, 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					
-4	4						
		N/A		Sand, M and gravel; moderate brown (5YR 4/4), wet.		SW	0 ppm
-6	6						
-8	8						
				End of boring at 8.0 feet.			
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

Checked By: SAH
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Project Name: <b>Nu-Style</b> Project Location: <b>Franklin, Massachusetts</b>		Site Id: <b>B-10</b> Project Number: <b>2005-0458 B10</b>		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>317 IRON HORSE WAY, SUITE 204, PROVIDENCE, RI 02908</small>	
Location: <b>See map</b> Description: <b>Soil Boring</b> Date(s): <b>12/01/06 - 12/01/06</b> Total Depth: <b>7.50'</b> Remarks: Field Instrument: Photovac 2020 Refusal at 7.5 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: 7.50' fm:            to: fm:            to: fm:            to: fm:            to:	

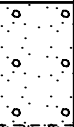

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		-21		0-1.1': Sand, F-M and gravel; some silt; dusky brown (5YR 2/2). 1.1-1.3': BOULDER, granite. 1.3-5.0': Sand, F-M and gravel; some silt; dusky brown (5YR 2/2), moist.			0 ppm
-2	2	N/A					
-4	4						
-6	6	-22		Sand, F-M and gravel; some silt; dusky yellow (5Y 6/4).		GM	0 ppm
-8	8	N/A		End of boring at 7.5 feet.			
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						

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Project Name: <b>Nu-Style</b> Project Location: <b>Franklin, Massachusetts</b>		Site Id: <b>B-11</b> Project Number: <b>2005-0458 B10</b>		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>317 IRON HORSE WAY, SUITE 204, PROVIDENCE, RI 02908</small>	
Location: <b>See map</b> Description: <b>Soil Boring</b> Date(s): <b>12/01/06 - 12/01/06</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:	

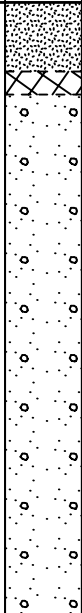
  

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		-23		0-1.6': SAND, F-M, yellowish gray (5Y 7/2) to dusky brown (5YR 2/2) at 0.4 feet, dry. 1.6-2.4': SAND, F; some silt; trace gravel; yellowish gray (5Y 7/2), moist. 2.4-2.7': Sand, F and silt; wood or textile; moderate 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				SM	0 ppm
-4	4						
-6	6	-24		Sand, F and silt; dusky brown (5YR 3/4), moist to wet at 6.2 feet.			
-8	8	N/A		End of boring at 8.0 feet.			
-10	10						
-12	12						
-14	14						
-16	16						
-18	18						


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Page 1 of 1

Project Name: <b>Nu-Style</b> Project Location: <b>Franklin, Massachusetts</b>		Site Id: <b>B-12</b> Project Number: <b>2005-0458 B10</b>		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>317 IRON HORSE WAY, SUITE 204, PROVIDENCE, RI 02908</small>	
Location: <b>See map</b> Description: <b>Soil Boring</b> Date(s): <b>12/01/06 - 12/01/06</b> Total Depth: <b>8.00'</b> Remarks: <b>Field Instrument: Photovac 2020</b> <b>Refusal at 8.0 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>8.00'</b> fm: to: fm: to: fm: to: fm: to:	






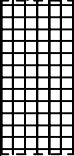

  

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	PHOT
0		-25		0-0.9': SAND, F-M; some silt; trace gravel; dusky brown (5YR 3/4), moist. 0.9-1.2': Sand, F and coal/ash; moist. 1.2-5.0': SAND, F-M; trace gravel; moderate brown (5YR 4/4), moist to wet at 1.5 feet.		SM  FI 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

Checked By: SAH
Page 1 of 1

Project Name: <b>Nu-Style</b> Project Location: <b>Franklin, Massachusetts</b>		Site Id: <b>B-15</b> Project Number: <b>2005-0458 B10</b>		 <b>FUSS &amp; O'NEILL</b> <i>Disciplines to Deliver</i> <small>317 IRON HORSE WAY, SUITE 204, PROVIDENCE, RI 02908</small>	
Location: <b>NW corner lot 27 building</b> Description: <b>Soil Boring</b> Date(s): <b>11/01/07 - 11/01/07</b> Total Depth: <b>6.00'</b> Remarks: <b>Field Instrument: OVM MiniRAE</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>Subsurface</b> Drilling Method: <b>Hollow Stem Auger</b> Back Fill: type: <b>Native Material</b> type: type: type: type:	
				Driller: <b>Phil &amp; Brian</b> Borehole Dia.: <b>8.00in</b> fm: <b>0.00'</b> to: <b>6.00'</b> 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		0	Sand, F-M and gravel and coal and slag; dusky brown (5YR 2/2). (Fill).		FI	9 ppm
-2	2	-03		3	Sand, F and silt; trace gravel; moderate brown (5YR 4/4), moist.		SM	9.5 ppm
-4	4	N/A		21 43 66 100	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: <b>BEK</b>	Page 1 of 1
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Project Name: Nu-Style  
Project Location: Franklin, Massachusetts

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



Location: See map  
Description: Monitoring Well, Shallow  
Date(s): 11/30/06 - 11/30/06  
Completed Depth: 12.00'  
Total Depth: 12.00'  
Remarks: Field Instrument: Photovac 2020

Datum: Assumed  
Ground Elevation: 0.00'  
Coordinate X: 0.00  
Coordinate Y: 0.00

Logged By: S. Hubbs  
Contractor: New England Geotech  
Drilling Method: Geoprobe  
Blank Casing:  
type: PVC dia: 2.00in fm: 0.0' to: 2.00'  
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:

Driller: S. Perry  
Borehole Dia.: 2.00in

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

Project Name: Nu-Style  
Project Location: 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
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							

Project Name: Nu-Style  
Project Location: 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: 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:  
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Well Construction	PHOT
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							



Project Name: Nu-Style  
Project Location: Franklin, Massachusetts

Site Id: MW-04  
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: 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 Refusal at 10.5 feet. 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:  
type: fm: to:

Elevation	Depth	Sample No.	Recovery	Material Description	Graphic Log	USCS Code	Well Construction	PHOT
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							

Project Name: Nu-Style  
Project Location: Franklin, Massachusetts

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



Location: <b>See map</b>	Datum: <b>Assumed</b>	Logged By: <b>S. Hubbs</b>	Driller: <b>S. Perry</b>
Description: <b>Monitoring Well, Shallow</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>	
Completed Depth: <b>12.00'</b>	Coordinate Y: <b>0.00</b>	Blank Casing: type: <b>PVC</b> dia: <b>2.00in</b> fm: <b>0.0'</b> to: <b>2.00'</b>	
Total Depth: <b>12.00'</b>		Screens: type: Slotted size: <b>0.010in</b> dia: <b>2.00in</b> fm: <b>2.00'</b> to: <b>12.00'</b>	
Remarks: Field Instrument: Photovac 2020		Annular Fill: type: <b>Concrete</b> fm: <b>0.00'</b> to: <b>0.50'</b> type: <b>Bentonite Grout</b> fm: <b>0.50'</b> to: <b>1.50'</b> type: <b>#2 Sand</b> fm: <b>1.50'</b> to: <b>12.00'</b> type: fm: to:	

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

Checked By: SAH

Project Name: Nu-Style  
Project Location: Franklin, Massachusetts

Site Id: MW-13  
Project Number: 2005-0458 B10



Location: Center of Old Grove Street Datum:  
Description: Monitoring Well, Shallow Ground Elevation: 0.00'  
Date(s): 10/31/07 - 10/31/07 Coordinate X: 0.00  
Completed Depth: 35.00' Coordinate Y: 0.00  
Total Depth: 35.00'  
Remarks: Field Instrument: OVM MiniRAE  
Development Method: Surge block on 11/05/2007.  
No refusal.

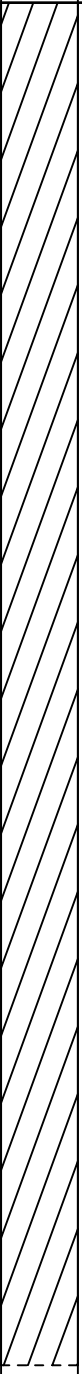
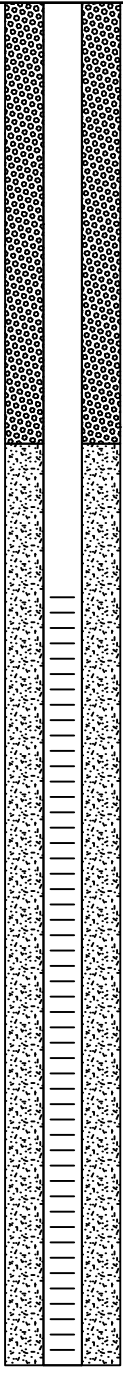
Logged By: S. Hubbs Driller: Phil & Brian  
Contractor: Subsurface Borehole Dia.: 3.00in  
Drilling Method: Hollow Stem Auger/Air Rotary  
Blank Casing:  
type: PVC dia: 2.00in fm: 0.0' to: 25.00'  
Screens:  
type: Slotted size: 0.010in dia: 2.00in fm: 25.00' to: 35.00'  
Annular Fill:  
type: Concrete fm: 0.00' to: 0.50'  
type: Sand and Native Material fm: 0.50' to: 12.50'  
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	OMV
								MP. EL. 0.00	
0		N/A		9	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.				0.3 ppm
-14	14				BEDROCK, granitic.				
-16	16								

Checked By: BEK

Project Name: Nu-Style  
Project Location: Franklin, Massachusetts

Site Id: MW-13  
Project Number: 2005-0458 B10

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  
Project Location: Franklin, Massachusetts

Site Id: MW-14  
Project Number: 2005-0458 B10



Location: NW corner lot 27 building  
Description: Monitoring Well, Shallow  
Date(s): 10/31/07 - 10/31/07  
Completed Depth: 21.00'  
Total Depth: 21.00'

Datum:  
Ground Elevation: 0.00'  
Coordinate X: 0.00  
Coordinate Y: 0.00

Logged By: S. Hubbs  
Contractor: Subsurface  
Drilling Method: Hollow Stem Auger/Air Rotary  
Blank Casing:  
type: PVC dia: 2.00in fm: -2.3' to: 11.00'

Driller: Phil & Brian  
Borehole Dia.: 3.00in

Remarks: Field Instrument: None  
Development Method: Surge block on 11/05/2007.  
No refusal.

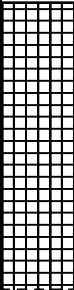
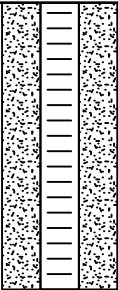
Screens:  
type: Slotted size: 0.010in dia: 2.00in fm: 11.00' to: 21.00'

Annular Fill:  
type: Concrete fm: 0.00' to: 0.50'  
type: Sand and Native Material fm: 0.50' to: 8.00'  
type: Bentonite Pellets fm: 8.00' to: 10.00'  
type: #1 Sand fm: 10.00' to: 21.00'

Elevation	Depth	Sample No.	Recovery	Blow Count (SPT Test)	Material Description	Graphic Log	USCS Code	Well Construction	Vapor
					No samples. See boring log for B-15 for material descriptions.			MP. EL. 0.00	
-2	2						FI		
-4	4						SM		
-6	6								
-8	8				BEDROCK.				
-10	10								
-12	12								
-14	14						SH		
-16	16								

Checked By: BEK

Page 1 of 2

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: 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:	
Total Depth: 10.00'		type: PVC	dia: 2.00in fm: 0.0' to: 5.00'
Remarks: Field Instrument: OVM MiniRAE		Screens:	
Development Method: Geopump		type: Slotted size: 0.010in	dia: 2.00in fm: 5.00' to: 10.00'
No refusal.		Annular Fill:	
		type: Concrete	fm: 0.00' to: 0.50'
		type: Sand and Native Material	fm: 0.50' to: 2.00'
		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								
-6	6						SW		
-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  
Project Location: 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  
Contractor: Subsurface  
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'

Driller: Phil & Brian  
Borehole Dia.: 8.00in

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			0-0.3': ASPHALT.		AS		
		-04			0.3-2.0': Sand, F and silt and gravel; dusky brown (5YR 4/4), dry.				
-2	2	N/A			Same as above.				0 ppm
-4	4	N/A			Same as above, moist.		SW		0 ppm
-6	6	-05			Same as above, wet.				0 ppm
-8	8	N/A			Sand, F-M and silt; trace gravel and C sand; moderate brown (5YR 4/4), wet.				0 ppm
-10	10	N/A			Same as above.		SP		0 ppm
-12	12	N/A			Silt and clay; pale olive, wet.		ML		0 ppm
-14	14				End of boring at 14 feet.				
-16	16								

## Appendix B

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### Premier Laboratory Analytical Report



Premier  
Laboratory, Inc

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

## ANALYTICAL DATA REPORT

prepared for:

Fuss & O'Neill  
317 Iron Horse Way  
Suite 204  
Providence, RI 02908  
Attn: David Foss

Report Number: E906474  
Project: 20050458.F20/Nu-Style

Received Date: 06/05/2009  
Report Date: 06/11/2009

Premier Laboratory, Inc  
Authorized Signature



Certified and Compliant with:

CT (PH-0465), EPA (CT00008), FL (E871042-01), MA (M-CT008), MD (332), ME (CT0050), NH (2020), NJ (CT007), NY (11549), PA (68-04413), RI (LAO00300), UCMR2 (CT00008), VT (VT11549)





# Premier Laboratory, Inc

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

MADEP MCP Analytical Method Report Certification Form					
Laboratory Name: Premier Laboratory, Inc			Project #: E906474		
Project Location: Franklin, MA			MADEP RTN <sup>1</sup> :		
This Form provides certifications for the following data set:[list Laboratory Sample ID Number(s)] 1,2,3,4,5,6,7,8,9,10,11					
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 type="checkbox"/>	7470A/1A <input type="checkbox"/>
	8270C <input type="checkbox"/>	8081A <input type="checkbox"/>	VPH <input type="checkbox"/>	6020 <input type="checkbox"/>	9014M <sup>2</sup> <input type="checkbox"/>
	8082 <input type="checkbox"/>	8021B <input type="checkbox"/>	EPH <input type="checkbox"/>	7000 S <sup>3</sup> <input type="checkbox"/>	7196A <input type="checkbox"/>
	<small>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.</small>				
<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><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 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: <u>Robert Stevenson</u>			Position: <u>Laboratory Director</u>		
Printed Name: <u>Robert Stevenson</u>			Date: <u>6/11/2009</u>		



101-000000243279



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

Report No: E906474  
Client: Fuss & O'Neill  
Project: 20050458.F20/Nu-Style

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

Premier Laboratory, Inc received 11 samples from Fuss & O'Neill on 06/05/2009. The samples were analyzed for the following list of analyses:

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

**Non-Conformances:**  
**Work Order:**

A Matrix spike/ matrix spike duplicate sample recovery was outside of established control limits due to matrix interference. The associated LCS recoveries were within the established quality control limits.

A quadratic equation was applied to the analyte 1,4-dioxane.

**Sample:**

None

**Analysis:**

None

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 1  
 Sample Description: 1028090604-01

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 10:45  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 12:26 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08222.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	37	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	2.5	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
590-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 1  
 Sample Description: 1028090604-01

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 10:45  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 12:26 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08222.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	7.2	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	1.9	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	13	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	100%	81%-116%	
Bromofluorobenzene	95%	85%-106%	
Toluene-d8	106%	89%-114%	



# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 2  
 Sample Description: 1028090604-02

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 10:55  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/10/2009 14:37 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 40  
 Lab Data File: Q08254.D  
 QC Batch#: 69906

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	400	ug/L
107-13-1	Acrylonitrile	ND	20	ug/L
71-43-2	Benzene	ND	40	ug/L
108-86-1	Bromobenzene	ND	40	ug/L
74-97-5	Bromochloromethane	ND	40	ug/L
75-27-4	Bromodichloromethane	ND	40	ug/L
75-25-2	Bromoform	ND	40	ug/L
74-83-9	Bromomethane	ND	40	ug/L
78-93-3	2-Butanone (MEK)	ND	200	ug/L
104-51-8	n-Butylbenzene	ND	40	ug/L
135-98-8	sec-Butylbenzene	ND	40	ug/L
98-06-6	tert-Butylbenzene	ND	40	ug/L
75-15-0	Carbon disulfide	ND	40	ug/L
56-23-5	Carbon tetrachloride	ND	40	ug/L
108-90-7	Chlorobenzene	ND	40	ug/L
75-00-3	Chloroethane	ND	40	ug/L
67-66-3	Chloroform	ND	40	ug/L
74-87-3	Chloromethane	ND	40	ug/L
95-49-8	2-Chlorotoluene	ND	40	ug/L
106-43-4	4-Chlorotoluene	ND	40	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L
124-48-1	Dibromochloromethane	ND	20	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	20	ug/L
74-95-3	Dibromomethane	ND	40	ug/L
95-50-1	1,2-Dichlorobenzene	ND	40	ug/L
541-73-1	1,3-Dichlorobenzene	ND	40	ug/L
106-46-7	1,4-Dichlorobenzene	ND	40	ug/L
75-71-8	Dichlorodifluoromethane	ND	40	ug/L
75-34-3	1,1-Dichloroethane	ND	40	ug/L
107-06-2	1,2-Dichloroethane	ND	40	ug/L
75-35-4	1,1-Dichloroethene	ND	40	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	40	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	40	ug/L
78-87-5	1,2-Dichloropropane	ND	40	ug/L
142-28-9	1,3-Dichloropropane	ND	40	ug/L
590-20-7	2,2-Dichloropropane	ND	40	ug/L
563-58-6	1,1-Dichloropropene	ND	40	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	20	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	20	ug/L
60-29-7	Diethyl ether	ND	40	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 2  
 Sample Description: 1028090604-02

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 10:55  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/10/2009 14:37 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 40  
 Lab Data File: Q08254.D  
 QC Batch#: 69906

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	800	ug/L
100-41-4	Ethylbenzene	ND	40	ug/L
87-68-3	Hexachlorobutadiene	ND	20	ug/L
591-78-6	2-Hexanone	ND	200	ug/L
98-82-8	Isopropylbenzene	ND	40	ug/L
99-87-6	4-Isopropyltoluene	ND	40	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	40	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	200	ug/L
75-09-2	Methylene chloride	ND	200	ug/L
91-20-3	Naphthalene	ND	40	ug/L
103-65-1	n-Propylbenzene	ND	40	ug/L
100-42-5	Styrene	ND	40	ug/L
109-99-9	Tetrahydrofuran	ND	40	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	200	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	40	ug/L
96-18-4	1,2,3-Trichloropropane	ND	40	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	40	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	ug/L
127-18-4	Tetrachloroethene (PCE)	3600	40	ug/L
108-88-3	Toluene	ND	40	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	40	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	40	ug/L
71-55-6	1,1,1-Trichloroethane	120	40	ug/L
79-00-5	1,1,2-Trichloroethane	ND	40	ug/L
79-01-6	Trichloroethene (TCE)	1800	40	ug/L
75-69-4	Trichlorofluoromethane	ND	40	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	40	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	40	ug/L
75-01-4	Vinyl chloride	ND	40	ug/L
95-47-6	o-Xylene	ND	40	ug/L
108-38-3	m,p-Xylenes	ND	40	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	104%	81%-116%	
Bromofluorobenzene	91%	85%-106%	
Toluene-d8	111%	89%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 3  
 Sample Description: 1028090604-03

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 11:43  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 14:03 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08225.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
590-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 3  
 Sample Description: 1028090604-03

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 11:43  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 14:03 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08225.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	64	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	12	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	101%	81%-116%	
Bromofluorobenzene	92%	85%-106%	
Toluene-d8	107%	89%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 4  
 Sample Description: 1028090604-04

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 12:15  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 14:35 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08226.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
590-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 4  
 Sample Description: 1028090604-04

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 12:15  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 14:35 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08226.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	35	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	20	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	101%	81%-116%	
Bromofluorobenzene	92%	85%-106%	
Toluene-d8	109%	89%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 5  
 Sample Description: 1028090604-05

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 13:00  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 15:07 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08227.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
590-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 5  
 Sample Description: 1028090604-05

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 13:00  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 15:07 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08227.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	23	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	17	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	103%	81%-116%	
Bromofluorobenzene	93%	85%-106%	
Toluene-d8	108%	89%-114%	



# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 6  
 Sample Description: 1028090604-06

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 13:00  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 15:40 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08228.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
590-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 6  
 Sample Description: 1028090604-06

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 13:00  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 15:40 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08228.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	81	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	64	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	103%	81%-116%	
Bromofluorobenzene	91%	85%-106%	
Toluene-d8	109%	89%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 7  
 Sample Description: 1028090604-07

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 13:40  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/10/2009 14:05 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08253.D  
 QC Batch#: 69906

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1.9	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
590-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 7  
 Sample Description: 1028090604-07

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 13:40  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/10/2009 14:05 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08253.D  
 QC Batch#: 69906

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	6.0	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	6.8	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	104%	81%-116%	
Bromofluorobenzene	91%	85%-106%	
Toluene-d8	111%	89%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 8  
 Sample Description: 1028090604-08

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 13:30  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/10/2009 13:33 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08252.D  
 QC Batch#: 69906

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
590-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 8  
 Sample Description: 1028090604-08

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 13:30  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/10/2009 13:33 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08252.D  
 QC Batch#: 69906

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	ND	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	1.1	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC		
Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	102%	81%-116%
Bromofluorobenzene	91%	85%-106%
Toluene-d8	110%	89%-114%

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 9  
 Sample Description: 1028090604-09

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 14:50  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 17:16 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08231.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
590-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 9  
 Sample Description: 1028090604-09

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 14:50  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 17:16 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08231.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	ND	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	ND	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC		
Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	102%	81%-116%
Bromofluorobenzene	93%	85%-106%
Toluene-d8	109%	89%-114%



# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 10  
 Sample Description: 1028090604-10

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 14:15  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 17:48 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08232.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
590-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 10  
 Sample Description: 1028090604-10

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 14:15  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 17:48 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08232.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	ND	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	ND	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	104%	81%-116%	
Bromofluorobenzene	90%	85%-106%	
Toluene-d8	109%	89%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 11  
 Sample Description: 1028090604-11

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 15:00  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 11:54 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08221.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
590-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E906474  
 Sample No: 11  
 Sample Description: 1028090604-11

Customer: Fuss & O'Neill  
 Project: 20050458.F20/Nu-Style

Date Collected: 06/04/2009 15:00  
 Date Received: 06/05/2009 16:37  
 Date Analyzed: 06/09/2009 11:54 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q08221.D  
 QC Batch#: 69868

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	ND	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	ND	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	100%	81%-116%	
Bromofluorobenzene	94%	85%-106%	
Toluene-d8	109%	89%-114%	

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc      Date Analyzed 6/9/2009  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: VLCS0609      Location: Franklin, MA  
Lab File ID: Q08216.D      Batch No.: 69868

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
1,1,1,2-Tetrachloroethane	50.00	52.37	105	81-119
1,1,1-Trichloroethane	50.00	48.64	97	70-122
1,1,2,2-Tetrachloroethane	50.00	53.08	106	73-124
1,1,2-Trichloroethane	50.00	51.59	103	79-120
1,1-Dichloroethane	50.00	50.06	100	70-124
1,1-Dichloroethene	50.00	47.88	96	70-128
1,1-Dichloropropene	50.00	52.30	105	70-121
1,2,3-Trichlorobenzene	50.00	54.12	108	70-130
1,2,4-Trichlorobenzene	50.00	54.27	108	70-130
1,2,4-Trimethylbenzene	50.00	59.19	118	70-130
1,2-Dibromoethane (EDB)	50.00	54.10	108	78-121
1,2-Dichlorobenzene	50.00	53.52	107	76-121
1,2-Dichloroethane	50.00	47.02	94	74-120
1,2-Dichloropropane	50.00	51.04	102	74-120
1,3,5-Trimethylbenzene	50.00	57.14	114	71-130
1,3-Dichlorobenzene	50.00	53.11	106	72-126
1,3-Dichloropropane	50.00	56.51	113	80-122
1,4-Dichlorobenzene	50.00	51.47	103	72-124
1,4-Dioxane	50.00	46.79	94	70-130
2,2-Dichloropropane	50.00	50.20	100	70-130
2-Butanone (MEK)	50.00	45.92	92	70-130
4-Chlorotoluene	50.00	55.13	110	73-124
4-Isopropyltoluene	50.00	57.48	115	71-130
4-Methyl-2-pentanone (MIBK)	50.00	57.24	114	70-130
Acetone	50.00	43.86	88	70-130
Benzene	50.00	51.23	102	71-121
Bromobenzene	50.00	56.25	112	77-121
Bromochloromethane	50.00	51.02	102	75-119

# 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 6/9/2009  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: VLCS0609      Location: Franklin, MA  
Lab File ID: Q08216.D      Batch No.: 69868

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Bromodichloromethane	50.00	49.65	99	77-120
Bromoform	50.00	55.57	111	80-124
Bromomethane	50.00	49.20	98	70-130
Carbon disulfide	50.00	48.00	96	70-130
Carbon tetrachloride	50.00	48.40	97	70-129
Chlorobenzene	50.00	52.79	106	77-122
Chloroform	50.00	47.56	95	72-117
Chloromethane	50.00	53.85	108	70-130
cis-1,2-Dichloroethene	50.00	48.40	97	75-117
cis-1,3-Dichloropropene	50.00	56.10	112	78-121
Di-isopropyl ether (DIPE)	50.00	46.84	94	70-126
Dibromochloromethane	50.00	53.57	107	79-123
Dibromomethane	50.00	49.65	99	77-119
Dichlorodifluoromethane	50.00	50.42	101	70-130
Ethyl tertiary-butyl ether	50.00	45.82	92	70-130
Ethylbenzene	50.00	50.27	100	80-127
Hexachlorobutadiene	50.00	53.52	107	70-130
Isopropylbenzene	50.00	59.76	120	74-126
m,p-Xylenes	100.0	101.6	102	81-130
Methyl tert-butyl ether (MTBE)	50.00	43.76	88	70-130
Methylene chloride	50.00	52.04	104	70-125
n-Butylbenzene	50.00	62.30	125	70-130
n-Propylbenzene	50.00	52.66	105	75-130
Naphthalene	50.00	56.17	112	70-130
o-Xylene	50.00	56.76	114	76-122
sec-Butylbenzene	50.00	55.54	111	71-130
Styrene	50.00	57.82	116	80-127
tert-Butylbenzene	50.00	56.18	112	71-126

# 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 6/9/2009  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: VLCS0609      Location: Franklin, MA  
Lab File ID: Q08216.D      Batch No.: 69868

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Tertiary-amyl methyl ether	50.00	43.33	87	70-130
Tetrachloroethene (PCE)	50.00	55.53	111	73-124
Toluene	50.00	54.86	110	75-123
trans-1,2-Dichloroethene	50.00	49.56	99	70-120
trans-1,3-Dichloropropene	50.00	51.37	103	71-118
Trichloroethene (TCE)	50.00	48.22	96	71-121
Trichlorofluoromethane	50.00	42.22	84	70-130
Vinyl chloride	50.00	58.41	117	70-130

# 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 6/9/2009  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: VLCS0609      Location: Franklin, MA  
Lab File ID: Q08217.D      Batch No.: 69868

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits	
					RPD	Rec
1,1,1,2-Tetrachloroethane	50.00	52.71	105	0	25	81-119
1,1,1-Trichloroethane	50.00	48.35	97	0	25	70-122
1,1,2,2-Tetrachloroethane	50.00	54.42	109	2.79	25	73-124
1,1,2-Trichloroethane	50.00	52.83	106	2.87	25	79-120
1,1-Dichloroethane	50.00	49.47	99	1.00	25	70-124
1,1-Dichloroethene	50.00	49.30	99	3.08	25	70-128
1,1-Dichloropropene	50.00	51.56	103	1.92	25	70-121
1,2,3-Trichlorobenzene	50.00	52.89	106	1.87	25	70-130
1,2,4-Trichlorobenzene	50.00	53.09	106	1.87	25	70-130
1,2,4-Trimethylbenzene	50.00	58.66	117	0.85	25	70-130
1,2-Dibromoethane (EDB)	50.00	55.23	110	1.83	25	78-121
1,2-Dichlorobenzene	50.00	52.85	106	0.94	25	76-121
1,2-Dichloroethane	50.00	46.82	94	0	25	74-120
1,2-Dichloropropane	50.00	51.24	102	0	25	74-120
1,3,5-Trimethylbenzene	50.00	55.89	112	1.77	25	71-130
1,3-Dichlorobenzene	50.00	51.85	104	1.90	25	72-126
1,3-Dichloropropane	50.00	57.00	114	0.88	25	80-122
1,4-Dichlorobenzene	50.00	50.98	102	0.98	25	72-124
1,4-Dioxane	50.00	42.55	85	10.0	25	70-130
2,2-Dichloropropane	50.00	49.19	98	2.02	25	70-130
2-Butanone (MEK)	50.00	44.68	89	3.31	25	70-130
4-Chlorotoluene	50.00	54.96	110	0	25	73-124
4-Isopropyltoluene	50.00	55.38	111	3.54	25	71-130
4-Methyl-2-pentanone (MIBK)	50.00	56.16	112	1.77	25	70-130
Acetone	50.00	42.58	85	3.47	25	70-130
Benzene	50.00	51.13	102	0	25	71-121
Bromobenzene	50.00	55.90	112	0	25	77-121
Bromochloromethane	50.00	50.96	102	0	25	75-119

# 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 6/9/2009  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: VLCS0609      Location: Franklin, MA  
Lab File ID: Q08217.D      Batch No.: 69868

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits	
					RPD	Rec
Bromodichloromethane	50.00	48.63	97	2.04	25	77-120
Bromoform	50.00	55.15	110	0.90	25	80-124
Bromomethane	50.00	48.51	97	1.02	25	70-130
Carbon disulfide	50.00	46.25	92	4.26	25	70-130
Carbon tetrachloride	50.00	47.70	95	2.08	25	70-129
Chlorobenzene	50.00	52.51	105	0.95	25	77-122
Chloroform	50.00	47.40	95	0	25	72-117
Chloromethane	50.00	49.57	99	8.70	25	70-130
cis-1,2-Dichloroethene	50.00	48.39	97	0	25	75-117
cis-1,3-Dichloropropene	50.00	56.81	114	1.77	25	78-121
Di-isopropyl ether (DIPE)	50.00	46.82	94	0	25	70-126
Dibromochloromethane	50.00	54.34	109	1.85	25	79-123
Dibromomethane	50.00	48.77	98	1.02	25	77-119
Dichlorodifluoromethane	50.00	47.51	95	6.12	25	70-130
Ethyl tertiary-butyl ether	50.00	45.67	91	1.09	25	70-130
Ethylbenzene	50.00	49.73	99	1.00	25	80-127
Hexachlorobutadiene	50.00	51.22	102	4.78	25	70-130
Isopropylbenzene	50.00	60.53	121	0.83	25	74-126
m,p-Xylenes	100.0	99.90	100	1.98	25	81-130
Methyl tert-butyl ether (MTBE)	50.00	44.38	89	1.13	25	70-130
Methylene chloride	50.00	50.27	100	3.92	25	70-125
n-Butylbenzene	50.00	58.68	117	6.61	25	70-130
n-Propylbenzene	50.00	52.10	104	0.96	25	75-130
Naphthalene	50.00	56.95	114	1.77	25	70-130
o-Xylene	50.00	55.29	110	3.57	25	76-122
sec-Butylbenzene	50.00	55.49	111	0	25	71-130
Styrene	50.00	56.15	112	3.51	25	80-127
tert-Butylbenzene	50.00	54.56	109	2.71	25	71-126

# 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 6/9/2009  
 Project No.: E906474      Project: 20050458.F20/Nu-Style  
 Sample No.: VLCS0609      Location: Franklin, MA  
 Lab File ID: Q08217.D      Batch No.: 69868

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits	
					RPD	Rec
Tertiary-amyl methyl ether	50.00	43.03	86	1.16	25	70-130
Tetrachloroethene (PCE)	50.00	54.94	110	0.90	25	73-124
Toluene	50.00	54.70	109	0.91	25	75-123
trans-1,2-Dichloroethene	50.00	50.70	101	2.00	25	70-120
trans-1,3-Dichloropropene	50.00	51.07	102	0.98	25	71-118
Trichloroethene (TCE)	50.00	47.59	95	1.05	25	71-121
Trichlorofluoromethane	50.00	41.16	82	2.41	25	70-130
Vinyl chloride	50.00	55.33	111	5.26	25	70-130

# 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 6/10/2009  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: VLCS0610      Location: Franklin, MA  
Lab File ID: Q08243B.D      Batch No.: 69906

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
1,1,1,2-Tetrachloroethane	50.00	51.63	103	81-119
1,1,1-Trichloroethane	50.00	47.12	94	70-122
1,1,2,2-Tetrachloroethane	50.00	54.80	110	73-124
1,1,2-Trichloroethane	50.00	51.30	103	79-120
1,1-Dichloroethane	50.00	49.29	98	70-124
1,1-Dichloroethene	50.00	47.25	94	70-128
1,1-Dichloropropene	50.00	49.91	100	70-121
1,2,3-Trichlorobenzene	50.00	51.45	103	70-130
1,2,4-Trichlorobenzene	50.00	51.77	104	70-130
1,2,4-Trimethylbenzene	50.00	59.08	118	70-130
1,2-Dibromoethane (EDB)	50.00	53.42	107	78-121
1,2-Dichlorobenzene	50.00	52.72	105	76-121
1,2-Dichloroethane	50.00	48.05	96	74-120
1,2-Dichloropropane	50.00	50.07	100	74-120
1,3,5-Trimethylbenzene	50.00	57.02	114	71-130
1,3-Dichlorobenzene	50.00	52.61	105	72-126
1,3-Dichloropropane	50.00	56.60	113	80-122
1,4-Dichlorobenzene	50.00	52.20	104	72-124
1,4-Dioxane	50.00	42.21	84	70-130
2,2-Dichloropropane	50.00	49.56	99	70-130
2-Butanone (MEK)	50.00	45.04	90	70-130
4-Chlorotoluene	50.00	55.84	112	73-124
4-Isopropyltoluene	50.00	56.43	113	71-130
4-Methyl-2-pentanone (MIBK)	50.00	59.88	120	70-130
Acetone	50.00	43.82	88	70-130
Benzene	50.00	49.90	100	71-121
Bromobenzene	50.00	55.97	112	77-121
Bromochloromethane	50.00	48.17	96	75-119

# 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 6/10/2009  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: VLCS0610      Location: Franklin, MA  
Lab File ID: Q08243B.D      Batch No.: 69906

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Bromodichloromethane	50.00	48.89	98	77-120
Bromoform	50.00	54.85	110	80-124
Bromomethane	50.00	53.15	106	70-130
Carbon disulfide	50.00	47.04	94	70-130
Carbon tetrachloride	50.00	48.13	96	70-129
Chlorobenzene	50.00	52.95	106	77-122
Chloroform	50.00	46.82	94	72-117
Chloromethane	50.00	55.49	111	70-130
cis-1,2-Dichloroethene	50.00	46.85	94	75-117
cis-1,3-Dichloropropene	50.00	56.66	113	78-121
Di-isopropyl ether (DIPE)	50.00	45.40	91	70-126
Dibromochloromethane	50.00	52.91	106	79-123
Dibromomethane	50.00	48.30	97	77-119
Dichlorodifluoromethane	50.00	52.03	104	70-130
Ethyl tertiary-butyl ether	50.00	44.34	89	70-130
Ethylbenzene	50.00	51.21	102	80-127
Hexachlorobutadiene	50.00	49.13	98	70-130
Isopropylbenzene	50.00	60.23	120	74-126
m,p-Xylenes	100.0	104.3	104	81-130
Methyl tert-butyl ether (MTBE)	50.00	42.57	85	70-130
Methylene chloride	50.00	50.21	100	70-125
n-Butylbenzene	50.00	58.72	117	70-130
n-Propylbenzene	50.00	53.45	107	75-130
Naphthalene	50.00	55.57	111	70-130
o-Xylene	50.00	56.81	114	76-122
sec-Butylbenzene	50.00	56.44	113	71-130
Styrene	50.00	58.01	116	80-127
tert-Butylbenzene	50.00	55.13	110	71-126

# 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 6/10/2009  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: VLCS0610      Location: Franklin, MA  
Lab File ID: Q08243B.D      Batch No.: 69906

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Tertiary-amyl methyl ether	50.00	42.56	85	70-130
Tetrachloroethene (PCE)	50.00	53.67	107	73-124
Toluene	50.00	53.77	108	75-123
trans-1,2-Dichloroethene	50.00	48.47	97	70-120
trans-1,3-Dichloropropene	50.00	51.75	103	71-118
Trichloroethene (TCE)	50.00	46.35	93	71-121
Trichlorofluoromethane	50.00	43.62	87	70-130
Vinyl chloride	50.00	59.65	119	70-130

# 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 6/10/2009  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: VLCS0610      Location: Franklin, MA  
Lab File ID: Q08244.D      Batch No.: 69906

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits	
					RPD	Rec
1,1,1,2-Tetrachloroethane	50.00	49.67	99	3.96	25	81-119
1,1,1-Trichloroethane	50.00	45.64	91	3.24	25	70-122
1,1,2,2-Tetrachloroethane	50.00	54.35	109	0.91	25	73-124
1,1,2-Trichloroethane	50.00	50.89	102	0.98	25	79-120
1,1-Dichloroethane	50.00	47.19	94	4.17	25	70-124
1,1-Dichloroethene	50.00	46.28	92	2.15	25	70-128
1,1-Dichloropropene	50.00	48.30	97	3.04	25	70-121
1,2,3-Trichlorobenzene	50.00	51.85	104	0.97	25	70-130
1,2,4-Trichlorobenzene	50.00	52.08	104	0	25	70-130
1,2,4-Trimethylbenzene	50.00	58.58	117	0.85	25	70-130
1,2-Dibromoethane (EDB)	50.00	52.40	105	1.89	25	78-121
1,2-Dichlorobenzene	50.00	51.65	103	1.92	25	76-121
1,2-Dichloroethane	50.00	46.42	93	3.17	25	74-120
1,2-Dichloropropane	50.00	48.46	97	3.04	25	74-120
1,3,5-Trimethylbenzene	50.00	55.82	112	1.77	25	71-130
1,3-Dichlorobenzene	50.00	50.84	102	2.90	25	72-126
1,3-Dichloropropane	50.00	55.61	111	1.78	25	80-122
1,4-Dichlorobenzene	50.00	50.65	101	2.93	25	72-124
1,4-Dioxane	50.00	38.17	76	10.0	25	70-130
2,2-Dichloropropane	50.00	47.22	94	5.18	25	70-130
2-Butanone (MEK)	50.00	41.00	82	9.30	25	70-130
4-Chlorotoluene	50.00	54.93	110	1.80	25	73-124
4-Isopropyltoluene	50.00	54.93	110	2.69	25	71-130
4-Methyl-2-pentanone (MIBK)	50.00	55.92	112	6.90	25	70-130
Acetone	50.00	40.98	82	7.06	25	70-130
Benzene	50.00	48.09	96	4.08	25	71-121
Bromobenzene	50.00	54.34	109	2.71	25	77-121
Bromochloromethane	50.00	46.69	93	3.17	25	75-119

# 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 6/10/2009  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: VLCS0610      Location: Franklin, MA  
Lab File ID: Q08244.D      Batch No.: 69906

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits	
					RPD	Rec
Bromodichloromethane	50.00	47.53	95	3.11	25	77-120
Bromoform	50.00	52.71	105	4.65	25	80-124
Bromomethane	50.00	51.75	103	2.87	25	70-130
Carbon disulfide	50.00	44.99	90	4.35	25	70-130
Carbon tetrachloride	50.00	45.70	91	5.35	25	70-129
Chlorobenzene	50.00	50.90	102	3.85	25	77-122
Chloroform	50.00	45.59	91	3.24	25	72-117
Chloromethane	50.00	51.43	103	7.48	25	70-130
cis-1,2-Dichloroethene	50.00	45.19	90	4.35	25	75-117
cis-1,3-Dichloropropene	50.00	54.69	109	3.60	25	78-121
Di-isopropyl ether (DIPE)	50.00	44.92	90	1.10	25	70-126
Dibromochloromethane	50.00	52.04	104	1.90	25	79-123
Dibromomethane	50.00	47.22	94	3.14	25	77-119
Dichlorodifluoromethane	50.00	47.82	96	8.00	25	70-130
Ethyl tertiary-butyl ether	50.00	44.14	88	1.13	25	70-130
Ethylbenzene	50.00	49.19	98	4.00	25	80-127
Hexachlorobutadiene	50.00	48.75	98	0	25	70-130
Isopropylbenzene	50.00	58.97	118	1.68	25	74-126
m,p-Xylenes	100.0	101.3	101	2.93	25	81-130
Methyl tert-butyl ether (MTBE)	50.00	43.04	86	1.17	25	70-130
Methylene chloride	50.00	48.36	97	3.04	25	70-125
n-Butylbenzene	50.00	57.42	115	1.72	25	70-130
n-Propylbenzene	50.00	52.76	106	0.94	25	75-130
Naphthalene	50.00	56.33	113	1.78	25	70-130
o-Xylene	50.00	54.90	110	3.57	25	76-122
sec-Butylbenzene	50.00	55.38	111	1.78	25	71-130
Styrene	50.00	55.44	111	4.40	25	80-127
tert-Butylbenzene	50.00	52.70	105	4.65	25	71-126

# 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 6/10/2009  
 Project No.: E906474      Project: 20050458.F20/Nu-Style  
 Sample No.: VLCS0610      Location: Franklin, MA  
 Lab File ID: Q08244.D      Batch No.: 69906

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits	
					RPD	Rec
Tertiary-amyl methyl ether	50.00	41.51	83	2.38	25	70-130
Tetrachloroethene (PCE)	50.00	51.51	103	3.81	25	73-124
Toluene	50.00	52.28	104	3.77	25	75-123
trans-1,2-Dichloroethene	50.00	48.00	96	1.04	25	70-120
trans-1,3-Dichloropropene	50.00	50.60	101	1.96	25	71-118
Trichloroethene (TCE)	50.00	44.50	89	4.40	25	71-121
Trichlorofluoromethane	50.00	41.20	82	5.92	25	70-130
Vinyl chloride	50.00	55.97	112	6.06	25	70-130

# Column to be used to flag recovery values with an asterisk  
 \* Values outside of QC limits



FORM 3  
Water 8260B Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: Premier Laboratory, Inc      Date Analyzed 6/9/2009 12:26:00PM  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: E906474-1      Location: Franklin, MA  
Batch No.: 69868

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS % Rec #	QC Limits Rec
1,1,1,2-Tetrachloroetha	50.00	0	47.93	96	81-119
1,1,1-Trichloroethane	50.00	1.86	49.18	95	70-122
1,1,2,2-Tetrachloroetha	50.00	0	48.86	98	73-124
1,1,2-Trichloroethane	50.00	0	47.00	94	79-120
1,1-Dichloroethane	50.00	0	46.06	92	70-124
1,1-Dichloroethene	50.00	0	40.90	82	70-128
1,1-Dichloropropene	50.00	0	48.62	97	70-121
1,2,3-Trichlorobenzene	50.00	0	46.96	94	70-130
1,2,4-Trichlorobenzene	50.00	0	47.90	96	70-130
1,2,4-Trimethylbenzene	50.00	0	57.33	115	70-130
1,2-Dibromoethane (EDB)	50.00	0	48.14	96	78-121
1,2-Dichlorobenzene	50.00	0	49.43	99	76-121
1,2-Dichloroethane	50.00	0	45.21	90	74-120
1,2-Dichloropropane	50.00	0	46.91	94	74-120
1,3,5-Trimethylbenzene	50.00	0	55.10	110	71-130
1,3-Dichlorobenzene	50.00	0	49.31	99	72-126
1,3-Dichloropropane	50.00	0	52.03	104	80-122
1,4-Dichlorobenzene	50.00	0	47.68	95	72-124
1,4-Dioxane	50.00	0	35.13	70	70-130
2,2-Dichloropropane	50.00	0	45.17	90	70-130
2-Butanone (MEK)	50.00	0	44.61	89	70-130
4-Chlorotoluene	50.00	0	52.94	106	73-124
4-Isopropyltoluene	50.00	0	54.34	109	71-130
4-Methyl-2-pentanone (M	50.00	0	55.10	110	70-130
Acetone	50.00	36.8	96.64	120	70-130
Benzene	50.00	0	46.59	93	71-121
Bromobenzene	50.00	0	51.19	102	77-121
Bromochloromethane	50.00	0	44.09	88	75-119
Bromodichloromethane	50.00	0	46.04	92	77-120
Bromoform	50.00	0	49.98	100	80-124
Bromomethane	50.00	0	38.06	76	70-130
Carbon disulfide	50.00	0	42.17	84	70-130
Carbon tetrachloride	50.00	0	48.29	96	70-129
Chlorobenzene	50.00	0	49.69	99	77-122
Chloroform	50.00	0	44.22	88	72-117
Chloromethane	50.00	0	44.03	88	70-130
cis-1,2-Dichloroethene	50.00	2.51	46.06	87	75-117
cis-1,3-Dichloropropene	50.00	0	47.86	96	78-121
Di-isopropyl ether (DIP	50.00		40.58	81	70-126
Dibromochloromethane	50.00	0	48.70	97	79-123
Dibromomethane	50.00	0	44.14	88	77-119
Dichlorodifluoromethane	50.00	0	47.58	95	70-130
Ethyl tertiary-butyl et	50.00		39.83	80	70-130

FORM 3  
Water 8260B Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: Premier Laboratory, Inc      Date Analyzed 6/9/2009 12:26:00PM  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: E906474-1      Location: Franklin, MA  
Batch No.: 69868

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS % Rec #	QC Limits Rec
Ethylbenzene	50.00	0	49.38	99	80-127
Hexachlorobutadiene	50.00	0	45.15	90	70-130
Isopropylbenzene	50.00	0	56.97	114	74-126
m,p-Xylenes	100.0	0	104.9	105	81-130
Methyl tert-butyl ether	50.00	0	38.41	77	70-130
Methylene chloride	50.00	0	46.64	93	70-125
n-Butylbenzene	50.00	0	55.57	111	70-130
n-Propylbenzene	50.00	0	52.59	105	75-130
Naphthalene	50.00	0	51.95	104	70-130
o-Xylene	50.00	0	55.44	111	76-122
sec-Butylbenzene	50.00	0	55.18	110	71-130
Styrene	50.00	0	54.72	109	80-127
tert-Butylbenzene	50.00	0	52.39	105	71-126
Tertiary-amyl methyl et	50.00		38.41	77	70-130
Tetrachloroethene (PCE)	50.00	7.25	59.73	105	73-124
Toluene	50.00	0	50.38	101	75-123
trans-1,2-Dichloroethen	50.00	0	45.34	91	70-120
trans-1,3-Dichloroprope	50.00	0	46.77	94	71-118
Trichloroethene (TCE)	50.00	13.0	58.52	91	71-121
Trichlorofluoromethane	50.00	0	39.79	80	70-130
Vinyl chloride	50.00	0	46.58	93	70-130

Compound	Spike Added (ug/L)	MSD Concentration (ug/L)	MSD % Rec #	% RPD #	QC Limits RPD	Rec
1,1,1,2-Tetrachloroetha	50.00	47.01	94	2.10	25	81-119
1,1,1-Trichloroethane	50.00	46.71	90	5.40	25	70-122
1,1,2,2-Tetrachloroetha	50.00	48.18	96	2.06	25	73-124
1,1,2-Trichloroethane	50.00	46.14	92	2.15	25	79-120
1,1-Dichloroethane	50.00	44.90	90	2.20	25	70-124
1,1-Dichloroethene	50.00	47.10	94	13.6	25	70-128
1,1-Dichloropropene	50.00	47.03	94	3.14	25	70-121
1,2,3-Trichlorobenzene	50.00	45.19	90	4.35	25	70-130
1,2,4-Trichlorobenzene	50.00	44.77	90	6.45	25	70-130
1,2,4-Trimethylbenzene	50.00	53.98	108	6.28	25	70-130
1,2-Dibromoethane (EDB)	50.00	47.49	95	1.05	25	78-121
1,2-Dichlorobenzene	50.00	48.10	96	3.08	25	76-121
1,2-Dichloroethane	50.00	43.00	86	4.54	25	74-120
1,2-Dichloropropane	50.00	44.98	90	4.35	25	74-120
1,3,5-Trimethylbenzene	50.00	52.13	104	5.61	25	71-130
1,3-Dichlorobenzene	50.00	46.93	94	5.18	25	72-126
1,3-Dichloropropane	50.00	51.06	102	1.94	25	80-122
1,4-Dichlorobenzene	50.00	45.95	92	3.21	25	72-124

FORM 3  
Water 8260B Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: Premier Laboratory, Inc      Date Analyzed 6/9/2009 12:26:00PM  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: E906474-1      Location: Franklin, MA  
Batch No.: 69868

Compound	Spike Added (ug/L)	MSD Concentration (ug/L)	MSD % Rec #	% RPD #	QC Limits RPD	Rec
1,4-Dioxane	50.00	29.68	59#	17.0	25	70-130
2,2-Dichloropropane	50.00	42.95	86	4.54	25	70-130
2-Butanone (MEK)	50.00	41.92	84	5.78	25	70-130
4-Chlorotoluene	50.00	51.78	104	1.90	25	73-124
4-Isopropyltoluene	50.00	50.61	101	7.62	25	71-130
4-Methyl-2-pentanone (M	50.00	53.68	107	2.76	25	70-130
Acetone	50.00	94.00	114	5.13	25	70-130
Benzene	50.00	45.25	90	3.28	25	71-121
Bromobenzene	50.00	49.70	99	2.98	25	77-121
Bromochloromethane	50.00	43.18	86	2.30	25	75-119
Bromodichloromethane	50.00	44.96	90	2.20	25	77-120
Bromoform	50.00	49.33	99	1.00	25	80-124
Bromomethane	50.00	48.07	96	23.2	25	70-130
Carbon disulfide	50.00	46.54	93	10.2	25	70-130
Carbon tetrachloride	50.00	45.63	91	5.35	25	70-129
Chlorobenzene	50.00	48.28	96	3.08	25	77-122
Chloroform	50.00	43.36	87	1.14	25	72-117
Chloromethane	50.00	51.83	104	16.7	25	70-130
cis-1,2-Dichloroethene	50.00	45.68	86	1.16	25	75-117
cis-1,3-Dichloropropene	50.00	48.30	97	1.04	25	78-121
Di-isopropyl ether (DIP	50.00	41.06	82	1.23	25	70-126
Dibromochloromethane	50.00	48.18	96	1.04	25	79-123
Dibromomethane	50.00	43.07	86	2.30	25	77-119
Dichlorodifluoromethane	50.00	50.60	101	6.12	25	70-130
Ethyl tertiary-butyl et	50.00	39.70	79	1.26	25	70-130
Ethylbenzene	50.00	48.23	96	3.08	25	80-127
Hexachlorobutadiene	50.00	41.40	83	8.09	25	70-130
Isopropylbenzene	50.00	55.09	110	3.57	25	74-126
m,p-Xylenes	100.0	101.7	102	2.90	25	81-130
Methyl tert-butyl ether	50.00	39.53	79	2.56	25	70-130
Methylene chloride	50.00	46.63	93	0	25	70-125
n-Butylbenzene	50.00	51.29	102	8.45	25	70-130
n-Propylbenzene	50.00	49.30	99	5.88	25	75-130
Naphthalene	50.00	51.20	102	1.94	25	70-130
o-Xylene	50.00	53.49	107	3.67	25	76-122
sec-Butylbenzene	50.00	51.44	103	6.57	25	71-130
Styrene	50.00	53.38	107	1.85	25	80-127
tert-Butylbenzene	50.00	48.61	97	7.92	25	71-126
Tertiary-amyl methyl et	50.00	38.14	76	1.31	25	70-130
Tetrachloroethene (PCE)	50.00	57.33	100	4.88	25	73-124
Toluene	50.00	49.41	99	2.00	25	75-123
trans-1,2-Dichloroethen	50.00	44.81	90	1.10	25	70-120
trans-1,3-Dichloroprope	50.00	46.63	93	1.07	25	71-118
Trichloroethene (TCE)	50.00	56.14	86	5.65	25	71-121
Trichlorofluoromethane	50.00	41.39	83	3.68	25	70-130

FORM 3  
Water 8260B Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: Premier Laboratory, Inc      Date Analyzed 6/9/2009 12:26:00PM  
Project No.: E906474      Project: 20050458.F20/Nu-Style  
Sample No.: E906474-1      Location: Franklin, MA  
Batch No.: 69868

Compound	Spike Added (ug/L)	MSD Concentration (ug/L)	MSD		QC Limits	
			Rec #	% RPD	RPD	Rec
Vinyl chloride	50.00	57.85	116	22.0	25	70-130

# Column to be used to flag recovery and RPD values with an asterisk  
\* Values outside of QC limits

RPD: 0 out of 64 outside limits  
Spike Recovery: 1 out of 128 outside limits

FORM 4  
8260B Method Blank Summary

Project No.: E906474

Project: 20050458.F20/Nu-Style

Lab File ID: Q08220.D

Lab Sample ID: VBLK0609

Matrix: Water

Date Analyzed: 6/9/2009

Instrument ID: GCMS 14

Batch No.: 69868

Time Analyzed: 1122

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E906474-1	1028090604-01	Q08222.D	6/9/2009
2	E906474-3	1028090604-03	Q08225.D	6/9/2009
3	E906474-4	1028090604-04	Q08226.D	6/9/2009
4	E906474-5	1028090604-05	Q08227.D	6/9/2009
5	E906474-6	1028090604-06	Q08228.D	6/9/2009
6	E906474-9	1028090604-09	Q08231.D	6/9/2009
7	E906474-10	1028090604-10	Q08232.D	6/9/2009
8	E906474-11	1028090604-11	Q08221.D	6/9/2009
9	E906474-1MS	E906474-1MS	Q08235.D	6/9/2009
10	E906474-1MSD	E906474-1MSD	Q08236.D	6/9/2009
11	VLCS0609	VLCS0609	Q08216.D	6/9/2009
12	VLCS0609	VLCS0609	Q08217.D	6/9/2009

FORM 4  
8260B Method Blank Summary

Project No.: E906474

Project: 20050458.F20/Nu-Style

Lab File ID: Q08247.D

Lab Sample ID: VBLK0610

Matrix: Water

Date Analyzed: 6/10/2009

Instrument ID: GCMS 14

Batch No.: 69906

Time Analyzed: 1052

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E906474-2	1028090604-02	Q08254.D	6/10/2009
2	E906474-7	1028090604-07	Q08253.D	6/10/2009
3	E906474-8	1028090604-08	Q08252.D	6/10/2009
4	VLCS0610	VLCS0610	Q08243B.D	6/10/2009
5	VLCS0610	VLCS0610	Q08244.D	6/10/2009



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☐ Other

## CHAIN-OF-CUSTODY RECORD

14528

PROJECT NAME

Nu-Slyke

PROJECT LOCATION

Franklin, MA

PROJECT NUMBER

20050458.F20

LABORATORY

Premier

REPORT TO: David Foss, dfoss@fando.com

INVOICE TO: SAME

P.O. No.: 102820050458.F20

Sampler's Signature:

*[Signature]*

Date:

6/4/09

Source Codes:

MW=Monitoring Well

SW=Surface Water

PW=Portable Water

T=Treatment Facility

S=Soil

B=Sediment

W=Waste

A=Air

X=Other

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
1	✓	✓	✓	✓	1028010604-01	MW	6/4/09	1065
2	✓	✓	✓	✓	-02			1055
3	✓	✓	✓	✓	-03			1143
4	✓	✓	✓	✓	-04			1245
5	✓	✓	✓	✓	-05			1300
6	✓	✓	✓	✓	-06			1300
7	✓	✓	✓	✓	-07			1340
8	✓	✓	✓	✓	-08			1330
9	✓	✓	✓	✓	-09			1450
10	✓	✓	✓	✓	-10			1415

Analysis Request

VOCs by 82603

Containers	
Soil VOA Val. [ ]	method
Glass Soil Container ( )	water
Other	[ ] Na <sub>2</sub> SO <sub>4</sub>
Water VOA Val. [ ]	oz
Glass VOA Val. [ ]	As is
Plastic - As is, [ ]	HCl
Plastic - H <sub>2</sub> SO <sub>4</sub> [ ]	250 ml [ ] 500 [ ] 1000 ml
Plastic - HNO <sub>3</sub> [ ]	250 ml [ ] 500 [ ] 1000 ml
Plastic - NaOH, 250 ml [ ]	Unfiltered [ ]

### Turnaround

- ☐ 1 Day\*  
☐ 2 Days\*  
☒ 3 Days\*  
☐ Standard ( 5 days)  
☐ Other

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<i>[Signature]</i>	<i>[Signature]</i>	6/4/09	1545	MA MCP Certification Required - GW-2/GW-3
2	<i>[Signature]</i>	<i>[Signature]</i>	6/5/09	0935	Additional Comments:
3	<i>[Signature]</i>	<i>[Signature]</i>	6/5/09	0935	
4	<i>[Signature]</i>	<i>[Signature]</i>	6/5/09	1637	

3.3c



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☐ 24 Madison Avenue Extension, Albany, NY 12203

- ☒ 225 Pomander Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601  
☐ Other

317 Iron Horse Way, Suite 204

6906474

## CHAIN-OF-CUSTODY RECORD

14529

Turnaround

- ☐ 1 Day\* ☐ 3 Days\* ☒ Standard (5 days) ☐ Other (days)  
☐ 2 Days\* ☒ \*Surcharge Applies

PROJECT NAME

Ne-Style

PROJECT LOCATION

Franklin, MA

PROJECT NUMBER

20050458-F20

LABORATORY

Premier

REPORT TO:

David Fass, d.fass@fandO.com

INVOICE TO:



P.O. No.:

102820050458-F20

Sampler's Signature:

*[Signature]*

Date:

6/4/09

Source Codes:

MW=Monitoring Well  
SW=Surface Water

PW=Potable Water  
T=Treatment Facility

S=Soil  
B=Sediment  
A=Air

X=Other

Trip Blank

Analysis Request

Containers

Comments	
Plastic - NaOH, 250 ml	
Plastic - HNO <sub>3</sub> , 250 ml	
Plastic - H <sub>2</sub> SO <sub>4</sub> , [ ] 250 ml [ ] 500 ml	
Plastic - As is, [ ] 250 ml [ ] 500 ml	
Glass Amber ( ) ml [ ] H <sub>2</sub> SO <sub>4</sub>	
Water VOA Vial, [ ] As is [ ] HCl	
Glass Soil Container ( ) oz	
Other: [ ] Na <sub>2</sub> SO <sub>4</sub>	
Glass VOA Vial, [ ] water	
Glass Soil Container ( ) oz	
Soil VOA Vial, [ ] methanol	

VOCs by 8260

Trip Blank

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

MA MCP Data Certification Reg'd; GW-2/cw-3

Additional Comments:

3.4C

1	<i>[Signature]</i>	Pro Gauge	6/4/09	1545
2	<i>[Signature]</i>	Pro Gauge	6/5/09	0935
3	<i>[Signature]</i>	Pro Gauge	6/5/09	0935
4	<i>[Signature]</i>	Michael Webb	6/5/09	1037





61 Louisa Viens Drive  
Dayville, CT 06241  
Fax: 860-774-2689  
Phone: 860-774-6814  
Toll-Free: 800-334-0103

## ANALYTICAL DATA REPORT

prepared for:

Fuss & O'Neill  
317 Iron Horse Way  
Suite 204  
Providence, RI 02908  
Attn: David Foss

Report Number: E006I79

Revision 3

Project: 20050458.F25/Nu-Style

Received Date: 06/24/2010

Report Date: 06/30/2010

Revision Date: 07/23/2010

Premier Laboratory, Inc  
Authorized Signature



Certified and Compliant with:

CT (PH-0465), EPA (CT00008), MA (M-CT008), ME (CT0050), NH (2020), NJ (CT007), NY (11549), PA (68-04413), RI (LAO00300),  
UCMR2 (CT00008), VT (VT11549)



101-000000279004



# Premier Laboratory, Inc

61 Louisa Viens Drive  
Dayville, CT 06241  
Fax: 860-774-2689  
Phone: 860-774-6814  
Toll-Free: 800-334-0103

MADEP Analytical Protocol Certification Form					
Laboratory Name: Premier Laboratory, Inc			Project #: E006I79		
Project Location: Franklin, MA			RTN :		
This Form provides certifications for the following data set:[list Laboratory Sample ID Number(s)] 1,2,3,4,5,6,7,8,11,12,13,14					
Matrices: <input checked="" type="checkbox"/> Groundwater/Surface Water <input type="checkbox"/> Soil/Sediment <input type="checkbox"/> Drinking Water <input type="checkbox"/> Air <input type="checkbox"/> Other:					
<b>CAM Protocol</b> (check all that apply below):					
8260 VOC CAM II A <input checked="" type="checkbox"/>	7470/7471 Hg CAM III B <input type="checkbox"/>	MassDEP VPH CAM IV A <input type="checkbox"/>	8081 Pesticides CAM V B <input type="checkbox"/>	7196 Hex Cr CAM VI B <input type="checkbox"/>	MassDEP APH CAM IX A <input type="checkbox"/>
8270 SVOC CAM II B <input type="checkbox"/>	7010 Metals CAM III C <input type="checkbox"/>	MassDEP EPH CAM IV B <input type="checkbox"/>	8151A Herbicides CAM V C <input type="checkbox"/>	8330 Explosives CAM VIII A <input type="checkbox"/>	TO-15 VOC CAM IX B <input type="checkbox"/>
6010 Metals CAM III A <input type="checkbox"/>	6020 Metals CAM III D <input checked="" type="checkbox"/>	8082 PCB CAM V A <input type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A <input type="checkbox"/>	6860 Perchlorate CAM VIII B <input type="checkbox"/>	
<b>Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status</b>					
A Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
B Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
C Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
D Does the laboratory report comply with all the reporting requirements specified in 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>
E a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).					<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?					<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
F Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>Responses to questions G, H and I below are required for "Presumptive Certainty" status</b>					
G Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>Data User Note:</b> Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40 (2)(k) and WSC-07-350					
H Were all QC performance standards specified in the CAM protocol(s) achieved?					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
I Were results reported for the complete analyte list specified in the selected CAM protocol(s)?					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<sup>1</sup> All negative responses must be addressed in an attached laboratory 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: <u>Robert Stevenson</u>			Position: <u>Laboratory Director</u>		
Printed Name: <u>Robert Stevenson</u>			Date: <u>7/23/2010</u>		



101-000000279004



61 Louisa Viens Drive  
Dayville, CT 06241  
Fax: 860-774-2689  
Phone: 860-774-6814  
Toll-Free: 800-334-0103

Report No: E006I79  
Client: Fuss & O'Neill  
Project: 20050458.F25/Nu-Style

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

Premier Laboratory, Inc received 12 samples from Fuss & O'Neill on 06/24/2010. The samples were analyzed for the following list of analyses:

Metals by ICP/MS 6020  
6020[3000]

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

1,4-Dioxane by Method 8260C does not meet the WSC-CAM-IIA requirements. This would preclude 1,4-Dioxane from the meeting "Presumptive Certainty" status if it is an analyte of concern.

**Non-Conformances:**  
**Work Order:**

None

**Sample:**

None

**Analysis:**

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
Date Received: 06/24/2010 17:25

Customer: Fuss & O'Neill  
Project: 20050458.F25/Nu-Style

Parameter	Result	DL	Units	Completed	By	Dilution
<b>(1) 1080100624-01</b>						
<b>Date Collected: 06/24/2010 09:55</b>	<b>Matrix: Aqueous</b>					
Metals by ICP/MS by 6020, Dissolved						
Lead	ND	0.0010	mg/L	06/30/2010 14:45	AK	
<b>(2) 1080100624-02</b>						
<b>Date Collected: 06/24/2010 10:40</b>	<b>Matrix: Aqueous</b>					
Metals by ICP/MS by 6020, Dissolved						
Lead	0.0015	0.0010	mg/L	06/30/2010 14:49	AK	
<b>(3) 1080100624-03</b>						
<b>Date Collected: 06/24/2010 10:20</b>	<b>Matrix: Aqueous</b>					
Metals by ICP/MS by 6020, Dissolved						
Lead	0.020	0.0010	mg/L	06/30/2010 14:52	AK	
<b>(4) 1080100624-04</b>						
<b>Date Collected: 06/24/2010 10:08</b>	<b>Matrix: Aqueous</b>					
Metals by ICP/MS by 6020, Dissolved						
Lead	0.0026	0.0010	mg/L	06/30/2010 14:55	AK	
<b>(5) 1080100624-05</b>						
<b>Date Collected: 06/24/2010 10:12</b>	<b>Matrix: Aqueous</b>					
Metals by ICP/MS by 6020, Dissolved						
Lead	ND	0.0010	mg/L	06/30/2010 15:17	AK	
<b>(6) 1080100624-06</b>						
<b>Date Collected: 06/24/2010 11:02</b>	<b>Matrix: Aqueous</b>					
Metals by ICP/MS by 6020, Dissolved						
Lead	ND	0.0010	mg/L	06/30/2010 15:21	AK	
<b>(7) 1080100624-07</b>						
<b>Date Collected: 06/24/2010 11:25</b>	<b>Matrix: Aqueous</b>					
Metals by ICP/MS by 6020, Dissolved						
Lead	ND	0.0010	mg/L	06/30/2010 15:25	AK	
<b>(8) 1080100624-08</b>						
<b>Date Collected: 06/24/2010 11:50</b>	<b>Matrix: Aqueous</b>					
Metals by ICP/MS by 6020, Dissolved						
Lead	ND	0.0010	mg/L	06/30/2010 15:29	AK	
<b>(11) 1080100624-09</b>						
<b>Date Collected: 06/24/2010 12:10</b>	<b>Matrix: Aqueous</b>					
Metals by ICP/MS by 6020, Dissolved						
Lead	ND	0.0010	mg/L	06/30/2010 15:41	AK	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
Date Received: 06/24/2010 17:25

Customer: Fuss & O'Neill  
Project: 20050458.F25/Nu-Style

Parameter	Result	DL	Units	Completed	By	Dilution
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**(12) 1080100624-10**

**Date Collected: 06/24/2010 12:35**      **Matrix: Aqueous**

Metals by ICP/MS by 6020, Dissolved

Lead	ND	0.0010	mg/L	06/30/2010 15:45	AK
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**(13) 1080100624-11**

**Date Collected: 06/24/2010 12:50**      **Matrix: Aqueous**

Metals by ICP/MS by 6020, Dissolved

Lead	ND	0.0010	mg/L	06/30/2010 15:49	AK
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# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 1  
 Sample Description: 1080100624-01

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 09:55  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 11:53 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14071.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1.2	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 1  
 Sample Description: 1080100624-01

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 09:55  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 11:53 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14071.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	39	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	27	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	101%	78%-130%	
Bromofluorobenzene	97%	88%-108%	
Toluene-d8	100%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 2  
 Sample Description: 1080100624-02

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 10:40  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 12:17 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14072.D,Q14085.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	1.0	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	8.4	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L



# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 2  
 Sample Description: 1080100624-02

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 10:40  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 12:17 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14072.D,Q14085.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	1.6	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	2500	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	82	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	1300	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	102%	78%-130%	
Bromofluorobenzene	97%	88%-108%	
Toluene-d8	99%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 3  
 Sample Description: 1080100624-03

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 10:20  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 17:02 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14084.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 3  
 Sample Description: 1080100624-03

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 10:20  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 17:02 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14084.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	ND	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	1.2	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	101%	78%-130%	
Bromofluorobenzene	98%	88%-108%	
Toluene-d8	100%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 4  
 Sample Description: 1080100624-04

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 10:08  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 13:05 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14074.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1.9	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 4  
 Sample Description: 1080100624-04

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 10:08  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 13:05 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14074.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	18	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	19	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	101%	78%-130%	
Bromofluorobenzene	98%	88%-108%	
Toluene-d8	100%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 5  
 Sample Description: 1080100624-05

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 10:12  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 13:54 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14076.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	2.0	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 5  
 Sample Description: 1080100624-05

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 10:12  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 13:54 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14076.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	16	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	18	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	102%	78%-130%	
Bromofluorobenzene	97%	88%-108%	
Toluene-d8	101%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 6  
 Sample Description: 1080100624-06

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 11:02  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 14:18 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14077.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L



# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 6  
 Sample Description: 1080100624-06

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 11:02  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 14:18 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14077.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	79	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	69	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	102%	78%-130%	
Bromofluorobenzene	97%	88%-108%	
Toluene-d8	100%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 7  
 Sample Description: 1080100624-07

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 11:25  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 14:42 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14078.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 7  
 Sample Description: 1080100624-07

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 11:25  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 14:42 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14078.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	28	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	28	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	102%	78%-130%	
Bromofluorobenzene	97%	88%-108%	
Toluene-d8	100%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 8  
 Sample Description: 1080100624-08

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 11:50  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 15:06 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14079.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 8  
 Sample Description: 1080100624-08

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 11:50  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 15:06 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14079.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	27	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	13	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	101%	78%-130%	
Bromofluorobenzene	98%	88%-108%	
Toluene-d8	101%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 11  
 Sample Description: 1080100624-09

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 12:10  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 15:29 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14080.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 11  
 Sample Description: 1080100624-09

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 12:10  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 15:29 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14080.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	1.2	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	ND	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	102%	78%-130%	
Bromofluorobenzene	99%	88%-108%	
Toluene-d8	99%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 12  
 Sample Description: 1080100624-10

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 12:35  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 15:53 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14081.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L



# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 12  
 Sample Description: 1080100624-10

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 12:35  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 15:53 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14081.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	25	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	17	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	102%	78%-130%	
Bromofluorobenzene	96%	88%-108%	
Toluene-d8	100%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 13  
 Sample Description: 1080100624-11

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 12:50  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 16:16 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14082.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 13  
 Sample Description: 1080100624-11

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 12:50  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 16:16 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14082.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	ND	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	ND	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	102%	78%-130%	
Bromofluorobenzene	99%	88%-108%	
Toluene-d8	99%	90%-114%	

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 14  
 Sample Description: 1080100624-12

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 13:00  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 11:28 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14070.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

# Premier Laboratory, Inc

## Analytical Data Report

Report No: E006I79  
 Sample No: 14  
 Sample Description: 1080100624-12

Customer: Fuss & O'Neill  
 Project: 20050458.F25/Nu-Style

Date Collected: 06/24/2010 13:00  
 Date Received: 06/24/2010 17:25  
 Date Analyzed: 06/28/2010 11:28 By: AMH  
 Analytical Method: 8260B

Matrix: Aqueous  
 Percent Moisture: N/A  
 Dilution Factor: 1  
 Lab Data File: Q14070.D  
 QC Batch#: 78326

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	ND	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	ND	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC			
Surrogate	Recovery	QC Limits	
1,2-Dichloroethane-d4	100%	78%-130%	
Bromofluorobenzene	97%	88%-108%	
Toluene-d8	101%	90%-114%	

FORM 2  
Water 8260B Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E006I79

Project: 20050458.F25/Nu-Style

Batch No.: 78326

Location: Franklin, MA

	Lab Sample No.	S1 %Rec #	S2 %Rec #	S3 %Rec #	S4 %Rec #	S5 %Rec #	S6 %Rec #	Tot Out
1	E006I79-11A	102	99	99				0
2	E006I79-12A	102	96	100				0
3	E006I79-13A	102	99	99				0
4	E006I79-14	100	97	101				0
5	E006I79-1A	101	97	100				0
6	E006I79-2A	102	97	99				0
7	E006I79-3A	101	98	100				0
8	E006I79-4A	101	98	100				0
9	E006I79-5A	102	97	101				0
10	E006I79-6A	102	97	100				0
11	E006I79-7A	102	97	100				0
12	E006I79-8A	101	98	101				0
13	VBLK0628	99	98	101				0
14	VLCS0628	98	100	101				0

QC Limits

S1 = 1,2-Dichloroethane-d4 (78-130)  
S2 = Bromofluorobenzene (88-108)  
S3 = Toluene-d8 (90-114)

# Column to be used to flag recovery values  
\* Values outside of QC limits  
D Surrogate diluted out

FORM 3  
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc      Date Analyzed 6/28/2010  
Project No.: E006I79      Project: 20050458.F25/Nu-Style  
Sample No.: VLCS0628      Location: Franklin, MA  
Lab File ID: Q14065.D      Batch No.: 78326

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
1,1,1,2-Tetrachloroethane	50.00	45.82	92	70-130
1,1,1-Trichloroethane	50.00	50.00	100	70-130
1,1,2,2-Tetrachloroethane	50.00	48.46	97	70-130
1,1,2-Trichloroethane	50.00	46.47	93	70-130
1,1-Dichloroethane	50.00	48.58	97	70-130
1,1-Dichloroethene	50.00	48.26	96	70-130
1,1-Dichloropropene	50.00	51.57	103	70-130
1,2,3-Trichlorobenzene	50.00	51.90	104	70-130
1,2,4-Trichlorobenzene	50.00	54.44	109	70-130
1,2,4-Trimethylbenzene	50.00	57.74	115	70-130
1,2-Dibromoethane (EDB)	50.00	46.30	93	70-130
1,2-Dichlorobenzene	50.00	52.29	104	70-130
1,2-Dichloroethane	50.00	45.58	91	70-130
1,2-Dichloropropane	50.00	47.68	95	70-130
1,3,5-Trimethylbenzene	50.00	56.25	112	70-130
1,3-Dichlorobenzene	50.00	52.65	105	70-130
1,3-Dichloropropane	50.00	45.98	92	70-130
1,4-Dichlorobenzene	50.00	51.91	104	70-130
1,4-Dioxane	50.00	47.68	95	70-130
2,2-Dichloropropane	50.00	49.71	99	70-130
2-Butanone (MEK)	50.00	40.66	81	70-130
4-Chlorotoluene	50.00	54.57	109	70-130
4-Isopropyltoluene	50.00	55.75	112	70-130
4-Methyl-2-pentanone (MIBK)	50.00	47.57	95	70-130
Acetone	50.00	39.67	79	70-130
Benzene	50.00	49.89	100	70-130
Bromobenzene	50.00	49.92	100	70-130
Bromochloromethane	50.00	49.14	98	70-130
Bromodichloromethane	50.00	47.32	95	70-130
Bromoform	50.00	50.96	102	70-130
Bromomethane	50.00	63.34	127	70-130
Carbon disulfide	50.00	45.29	90	70-130
Carbon tetrachloride	50.00	49.86	100	70-130
Chlorobenzene	50.00	50.19	100	70-130
Chloroform	50.00	47.26	94	70-130
Chloromethane	50.00	62.96	126	70-130
cis-1,2-Dichloroethene	50.00	45.54	91	70-130
cis-1,3-Dichloropropene	50.00	50.81	102	70-130
Di-isopropyl ether (DIPE)	50.00	56.22	112	70-130
Dibromochloromethane	50.00	48.92	98	70-130
Dibromomethane	50.00	48.04	96	70-130
Dichlorodifluoromethane	50.00	64.85	130	70-130

# 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 6/28/2010  
Project No.: E006I79      Project: 20050458.F25/Nu-Style  
Sample No.: VLCS0628      Location: Franklin, MA  
Lab File ID: Q14065.D      Batch No.: 78326

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Ethyl tertiary-butyl ether	50.00	55.77	112	70-130
Ethylbenzene	50.00	49.89	100	70-130
Hexachlorobutadiene	50.00	51.82	104	70-130
Isopropylbenzene	50.00	49.23	98	70-130
m,p-Xylenes	100.0	110.9	111	70-130
Methyl tert-butyl ether (M	50.00	54.06	108	70-130
Methylene chloride	50.00	42.40	85	70-130
n-Butylbenzene	50.00	56.75	114	70-130
n-Propylbenzene	50.00	57.22	114	70-130
Naphthalene	50.00	53.68	107	70-130
o-Xylene	50.00	53.20	106	70-130
sec-Butylbenzene	50.00	59.19	118	70-130
Styrene	50.00	56.62	113	70-130
tert-Butylbenzene	50.00	55.48	111	70-130
Tertiary-amyl methyl ether	50.00	52.24	104	70-130
Tetrachloroethene (PCE)	50.00	52.45	105	70-130
Toluene	50.00	50.19	100	70-130
trans-1,2-Dichloroethene	50.00	55.82	112	70-130
trans-1,3-Dichloropropene	50.00	46.17	92	70-130
Trichloroethene (TCE)	50.00	46.13	92	70-130
Trichlorofluoromethane	50.00	61.35	123	70-130
Vinyl chloride	50.00	59.13	118	70-130

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits



FORM 3  
Water 8260B Lab Control Sample Duplicate

Lab Name: Premier Laboratory, Inc      Date Analyzed 6/28/2010  
Project No.: E006I79      Project: 20050458.F25/Nu-Style  
Sample No.: VLCS0628      Location: Franklin, MA  
Lab File ID: Q14066.D      Batch No.: 78326

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits	
					RPD	Rec
1,1,1,2-Tetrachloroethane	50.00	44.29	88	4.44	25	70-130
1,1,1-Trichloroethane	50.00	49.94	100	0	25	70-130
1,1,2,2-Tetrachloroethane	50.00	46.88	94	3.14	25	70-130
1,1,2-Trichloroethane	50.00	44.82	90	3.28	25	70-130
1,1-Dichloroethane	50.00	47.37	95	2.08	25	70-130
1,1-Dichloroethene	50.00	47.56	95	1.05	25	70-130
1,1-Dichloropropene	50.00	51.66	103	0	25	70-130
1,2,3-Trichlorobenzene	50.00	51.47	103	0.97	25	70-130
1,2,4-Trichlorobenzene	50.00	52.15	104	4.69	25	70-130
1,2,4-Trimethylbenzene	50.00	55.60	111	3.54	25	70-130
1,2-Dibromoethane (EDB)	50.00	43.18	86	7.82	25	70-130
1,2-Dichlorobenzene	50.00	50.97	102	1.94	25	70-130
1,2-Dichloroethane	50.00	46.17	92	1.09	25	70-130
1,2-Dichloropropane	50.00	48.16	96	1.05	25	70-130
1,3,5-Trimethylbenzene	50.00	54.71	109	2.71	25	70-130
1,3-Dichlorobenzene	50.00	50.92	102	2.90	25	70-130
1,3-Dichloropropane	50.00	45.73	91	1.09	25	70-130
1,4-Dichlorobenzene	50.00	50.18	100	3.92	25	70-130
1,4-Dioxane	50.00	47.22	94	1.06	25	70-130
2,2-Dichloropropane	50.00	48.38	97	2.04	25	70-130
2-Butanone (MEK)	50.00	40.70	81	0	25	70-130
4-Chlorotoluene	50.00	52.57	105	3.74	25	70-130
4-Isopropyltoluene	50.00	54.11	108	3.64	25	70-130
4-Methyl-2-pentanone (MIBK)	50.00	46.69	93	2.13	25	70-130
Acetone	50.00	39.67	79	0	25	70-130
Benzene	50.00	49.27	98	2.02	25	70-130
Bromobenzene	50.00	48.97	98	2.02	25	70-130
Bromochloromethane	50.00	50.09	100	2.02	25	70-130
Bromodichloromethane	50.00	47.02	94	1.06	25	70-130
Bromoform	50.00	49.12	98	4.00	25	70-130
Bromomethane	50.00	64.69	129	1.56	25	70-130
Carbon disulfide	50.00	44.82	90	0	25	70-130
Carbon tetrachloride	50.00	49.37	99	1.00	25	70-130
Chlorobenzene	50.00	49.04	98	2.02	25	70-130
Chloroform	50.00	46.77	94	0	25	70-130
Chloromethane	50.00	62.08	124	1.60	25	70-130
cis-1,2-Dichloroethene	50.00	45.63	91	0	25	70-130
cis-1,3-Dichloropropene	50.00	50.21	100	1.98	25	70-130
Di-isopropyl ether (DIPE)	50.00	56.47	113	0.89	25	70-130
Dibromochloromethane	50.00	48.10	96	2.06	25	70-130
Dibromomethane	50.00	48.27	96	0	25	70-130
Dichlorodifluoromethane	50.00	63.99	128	1.55	25	70-130

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 3  
Water 8260B Lab Control Sample Duplicate

Lab Name: Premier Laboratory, Inc      Date Analyzed 6/28/2010  
Project No.: E006I79      Project: 20050458.F25/Nu-Style  
Sample No.: VLCS0628      Location: Franklin, MA  
Lab File ID: Q14066.D      Batch No.: 78326

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits	
					RPD	Rec
Ethyl tertiary-butyl ether	50.00	55.81	112	0	25	70-130
Ethylbenzene	50.00	49.54	99	1.00	25	70-130
Hexachlorobutadiene	50.00	48.27	96	8.00	25	70-130
Isopropylbenzene	50.00	47.52	95	3.11	25	70-130
m,p-Xylenes	100.0	107.8	108	2.74	25	70-130
Methyl tert-butyl ether (M	50.00	54.57	109	0.92	25	70-130
Methylene chloride	50.00	41.38	83	2.38	25	70-130
n-Butylbenzene	50.00	55.10	110	3.57	25	70-130
n-Propylbenzene	50.00	54.24	108	5.40	25	70-130
Naphthalene	50.00	51.96	104	2.84	25	70-130
o-Xylene	50.00	52.06	104	1.90	25	70-130
sec-Butylbenzene	50.00	57.39	115	2.58	25	70-130
Styrene	50.00	55.85	112	0.89	25	70-130
tert-Butylbenzene	50.00	54.26	108	2.74	25	70-130
Tertiary-amyl methyl ether	50.00	52.56	105	0.96	25	70-130
Tetrachloroethene (PCE)	50.00	50.56	101	3.88	25	70-130
Toluene	50.00	49.35	99	1.00	25	70-130
trans-1,2-Dichloroethene	50.00	56.59	113	0.89	25	70-130
trans-1,3-Dichloropropene	50.00	45.44	91	1.09	25	70-130
Trichloroethene (TCE)	50.00	45.40	91	1.09	25	70-130
Trichlorofluoromethane	50.00	60.58	121	1.64	25	70-130
Vinyl chloride	50.00	58.35	117	0.85	25	70-130

# Column to be used to flag recovery values with an asterisk  
\* Values outside of QC limits

FORM 4  
8260B Method Blank Summary

Project No.: E006I79

Project: 20050458.F25/Nu-Style

Lab File ID: Q14068.D

Lab Sample ID: VBLK0628

Matrix: Water

Date Analyzed: 6/28/2010

Instrument ID: GCMS 14

Batch No.: 78326

Time Analyzed: 1041

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E006I79-1A	1080100624-01	Q14071.D	6/28/2010
2	E006I79-2A	1080100624-02	Q14072.D, Q140	6/28/2010
3	E006I79-3A	1080100624-03	Q14084.D	6/28/2010
4	E006I79-4A	1080100624-04	Q14074.D	6/28/2010
5	E006I79-5A	1080100624-05	Q14076.D	6/28/2010
6	E006I79-6A	1080100624-06	Q14077.D	6/28/2010
7	E006I79-7A	1080100624-07	Q14078.D	6/28/2010
8	E006I79-8A	1080100624-08	Q14079.D	6/28/2010
9	E006I79-11A	1080100624-09	Q14080.D	6/28/2010
10	E006I79-12A	1080100624-10	Q14081.D	6/28/2010
11	E006I79-13A	1080100624-11	Q14082.D	6/28/2010
12	E006I79-14	1080100624-12	Q14070.D	6/28/2010
13	VLCS0628	VLCS0628	Q14065.D	6/28/2010
14	VLCS0628	VLCS0628	Q14066.D	6/28/2010

# ICP-MS Method Blank Summary

Workorder # :	<b>E006179</b>	Matrix:	<b>Aqueous</b>
Element	Result ug/L	MDL ug/L	Run Date
<b>Antimony</b>		1	
<b>Aluminum</b>		10	
<b>Arsenic</b>		4	
<b>Barium</b>		5	
<b>Beryllium</b>		1	
<b>Cadmium</b>		1	
<b>Cobalt</b>		1	
<b>Chromium</b>		1	
<b>Copper</b>		1	
<b>Lead</b>	ND	1	6/30/2010
<b>Lead</b>	ND	1	7/19/2010
<b>Molybdenum</b>		1	
<b>Nickel</b>		1	
<b>Selenium</b>		5	
<b>Silver</b>		1	
<b>Thallium</b>		1	
<b>Uranium</b>		1	
<b>Vanadium</b>		1	
<b>Zinc</b>		5	
ND = None Detectable ( * ) Elevated MDLs due to dilution for range ( ** ) Elevated MDLs due to dilution for interferences			

# Fortified Sample/Blank Recovery Report

Date:	6/30, 7/19 2010
Time:	13:39, 12:08
Method:	6020
Analyst:	AK
Validator:	

Aqueous	Matrix
	X

Run Log Reference Number
ICPMS-100630-1
ICPMS-100719-2

Workorder #: **E006I79**  
 Fortified Sample ID #: **E006I76-1 6/30/10**  
 Fortified Sample ID #: **E006I79-8 7/19/10**  
 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				50					75-125				80-120
Al				1050					75-125				80-120
As				50					75-125				80-120
Ba				50					75-125				80-120
Be				50					75-125				80-120
Cd				50					75-125				80-120
Co				50					75-125				80-120
Cr				50					75-125				80-120
Cu				50					75-125				80-120
Mn				50					75-125				80-120
Mo				50					75-125				80-120
Ni				50					75-125				80-120
Pb	0	0		50	46.05	92.1	49.17	98.3	75-125	6.6	49.67	99.3	80-120
Pb	0	0		50	52.15	104.3	52.39	104.8	75-125	0.5	46.7	93.4	80-120
Se				50					75-125				80-120
Tl				50					75-125				80-120
U				50					75-125				80-120
V				50					75-125				80-120
Zn				50					75-125				80-120

30-Jun  
19-Jul

Comments: LFM/LFMD = MS/MSD



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- ☐ Other

317 1st Horse Wing Suite 200  
E006-T79-799

# CHAIN-OF-CUSTODY RECORD 20958

PROJECT NAME <b>No - Single</b>				PROJECT LOCATION <b>Franklin, MA</b>				PROJECT NUMBER <b>20050158.F25</b>				LABORATORY <b>Premier</b>			
REPORT TO: <b>David Fuss</b>				INVOICE TO: <b>↓</b>				P.O. NO.: <b>1080160624-F25</b>				ANALYSIS REQUEST <b>VOCs by 8260 Dissolved lead by 6013</b>			
SAMPLER'S SIGNATURE: <b>Pitt H A</b>				DATE: <b>6/24/10</b>				SOURCE CODE: <b>MW</b>				DATE SAMPLED: <b>6/24/10</b>			
SOURCE CODES: MW=Monitoring Well SW=Surface Water PW=Potable Water T=Treatment Facility S=Soil B=Sediment W=Waste A=Air				SAMPLE NUMBER <b>-02</b> <b>-03</b> <b>-04</b> <b>-05</b> <b>-06</b> <b>-07</b> <b>-08</b> <b>-08MS</b> <b>-08NSD</b>				TIME SAMPLED <b>0955</b> <b>1040</b> <b>1020</b> <b>1008</b> <b>1012</b> <b>1102</b> <b>1125</b> <b>1150</b> <b>1152</b> <b>1154</b>				COMMENTS <b>Lub filter metals</b> <b>matrix spike</b> <b>matrix spike dup</b>			

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<b>Pitt H A</b>	<b>F10 Fridgo</b>	<b>6/24/10</b>	<b>1350</b>	<b>MASS DEP GW-2.1GW-3</b>
2	<b>F10 Fridgo</b>	<b>Pitt H A</b>	<b>6/24/10</b>	<b>1555</b>	Additional Comments: Please provide MA MCP data verification make sure data is same compliant w/ new CAM - effective 7/1/2010 Lab notified 7/29/09
3	<b>Pitt H A</b>	<b>H. Densley</b>	<b>6/24/10</b>	<b>1555</b>	Lub filter for metals - Lab notified 7/29/09
4	<b>H. Densley</b>	<b>Michael Pitt</b>	<b>6/24/10</b>	<b>1725</b>	3.5°



☒ ~~255 Pomander Street, Suite 350, Providence, RI 02908~~  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601  
☐ Other \_\_\_\_\_

## Turnaround

**Turnaround**

☐ 1 Day\*    ☐ 3 Days\*    ☐ Other \_\_\_\_\_ (days)

☐ 2 Days\*    ☒ Standard (\_\_\_\_ days)    \*Surcharge Applies

LABORATORY  
PremierComments

### Reporting and Detection Limit Requirements:

Additional Comments:

Additional Comments:  
Please provide MA MCP data with MA  
molded spec data is CAM component with  
effective 7/1/2010 new CAM-  
Labs filter for metals

3.50