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**APPENDIX B**  
***Phase II Site Assessment***  
***ASR, March 2007***



**ADVANCED SITE RESTORATION, LLC**  
ENVIRONMENTAL SERVICES

## **Phase II Site Assessment**

**49-55 Dupont Street, Brooklyn, New York 11222**  
**NYSDEC SPILL # 06-01852**



*Prepared on Behalf of:*  
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March 2007

  
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## 1.0 SCOPE OF PROJECT

This Phase II Site Investigation Report documents the results of the subsurface soil and groundwater investigation at the subject site. This investigation was conducted by Advanced Site Restoration, LLC (ASR), on behalf of 49 Dupont Realty Corporation. All work is in accordance with New York State Department of Environmental Conservation (NYSDEC), Spill Prevention Operations Technology Series (SPOTS) Memo #14, Site Assessments at Bulk Storage Facilities (August 1994). The scope of this investigation includes the following:

- The review of the New York State regulatory agency records for the site and the immediate surrounding area.
- An investigation into the possible sources of off site contamination.
- The collection of soil samples from inside the building at the subject site and off site, directly adjacent to the building.
- The documentation of soil characteristics and conditions.
- The advancement of groundwater monitoring wells both inside the building at the subject site and off site, directly adjacent to the building.
- The collection of groundwater samples from inside the building at the subject site and off site, directly adjacent to the building. .
- A survey of the area in and around the subject site.
- The construction of a Groundwater Gradient Map.
- The construction of both groundwater and soil Contaminant Plume Maps.
- A summary of the analytical findings respective to the NYSDEC TAGM 4046, Allowable Soil Concentrations and Groundwater Quality Standards.
- Develop recommendations based on the findings of this investigation.

## 2.0 GENERAL SITE INFORMATION

Site Description: The subject site is legally identified as New York City Tax Block 2487, Tax Lots 1, 10, 12, 17, 18, 20, 21, 57, 72, and 78. The current owner since 1983 is the 49 Dupont Realty Corporation.

The subject site is a former manufacturing facility. The New York City Department of Finance Occupancy Code is "F-9, Factory Industrial." According to the Sanborn Map Report from Environmental Data Resources, Inc. (EDR), industrial activity at the subject site dates as far back as 1887.

Historic use of the site has included manufacturing, office, storage, shipping and receiving. More recently, the site had been used as a plastic manufacturing facility since approximately 1950. According to *FPM Group* who completed a Phase I Site Assessment, dated April 2005 for the subject site, reported that commercial uses prior to 1950 included a boiler shop for Logan Ironworks, two stable buildings, a gas and light fixture factory, a sheet metal works, a soap manufacturer, a water proofing manufacturer, and a scrap metal facility.



The North American Industry Classification System (NAICS) listing for the subject site is "Plastic Fitting and Plastic Manufacturing". The factory at the subject site was most recently used to manufacture vinyl sheeting. It had been used as such a facility for the greater part of the 20<sup>th</sup> Century. As of 2004, the factory ended its manufacturing operations.

According to the United States Geological Survey (USGS) Brooklyn, New York 7.5 Minute Series Topographical Map (1995), the Site is situated at an approximate elevation of 13 feet above mean sea level. The location of the Site is shown on the Site Location Map, Figure 1, Appendix A.

In September of 2004, a visual reconnaissance of the site was performed by *RTP Environmental Associates* (RTP). Materials potentially containing asbestos were reported throughout the site. Four (4) silos used to store raw materials were observed on the west side of the property. RTP also reported a drum storage area with drums containing petroleum products. Plasticizers were also found in several areas of the subject site in drums and in concrete lined piping trenches. The on-site contamination, including that of plasticizers has been fully delineated in preparation for environmental remediation.

The environmental work currently being performed by ASR began in May 2006. To address the underground storage tanks (USTs), ASR collected samples from inside each UST. The seventeen (17) USTs were cleaned, rinsed and filled with foam to close them in place in accordance with all NYSDEC regulations. In July of 2006, the tanks were properly registered with the submittal of an updated Petroleum Bulk Storage and Chemical Bulk Storage application to the NYSDEC. Upon completion of the UST decommissioning, ASR prepared and submitted to the NYSDEC a Tank Closure Report dated July, 2006. ASR continued the subsurface investigation activities with the collection of soil and groundwater samples and the installation of a monitoring well network to fully delineate the identified soil and groundwater contamination (see Section 6.0). During future development of a comprehensive remedial plan, ASR has installed and currently maintains an Interim Remedial Measure (IRM) which consists of recovering free phase product (plasticizer) by pumping from two (2) locations. In addition, daily hand bailing is currently being performed. (see Section 9.0)

Surrounding Land Use: The surrounding use of the site is a mix of commercial, residential, and manufacturing. There are a number of mixed use lots with both residential and manufacturing. To the north of the site is a warehouse and a hardware store beyond which is an automotive lot (Figure 2-Aerial Photograph, Appendix A). To the east down Clay Street and Dupont Street are several multi-family residential units. To the south across Dupont Street there are apartments and more residential units. To the west is a small city park.

Sensitive Receptor Survey: A limited sensitive receptor survey was performed to identify any potential sensitive receptors in the vicinity of the subject site. No potable water wells were identified on or in the immediate vicinity of the subject site. The nearest surface water body is New Town Creek, which outflows into the East River located approximately 600 feet northwest of the subject site. As mentioned in the Surrounding Land Use Section, there are residential units to the east and the south of the subject site. Major utilities including water, sanitary, electric and natural gas have also been identified under the streets of Franklyn, Clay, and Commercial.

### **3.0 REGIONAL GEOLOGY/HYDROGEOLOGY**

The subject site is located in Brooklyn, New York. The elevation of the site, as presented on the United States Geologic Survey (USGS), Brooklyn Quadrangle Map (1995), is approximately 13 feet above sea level (Figure – 1, Appendix A). The subject site lies within an area classified as Urban Land. This soil type consists of urbanized areas where the majority of surface is covered with buildings, roads, driveways, parking lots, and other manmade structures.

Based on our measurements, the groundwater table is located between 10 ft and 12 ft below grade surface (bgs). This is consistent with a USGS Survey of Water Table Elevation map available to ASR. A northwesterly groundwater flow direction was determined by ASR from a survey of monitoring wells installed on and off site. This groundwater flow direction is supported location and proximity to New Town Creek and the East River, (Figure 6 - Groundwater Gradient Map, Appendix A).

### **4.0 PREVIOUS INVESTIGATIONS/HISTORICAL REVIEW**

The subject site is classified as a Small Quantity, RCRA Hazardous Waste Generator.

RTP Environmental Associates, Inc. of Westbury, New York, conducted a Preliminary Phase I Site Assessment in September, 2004. The report identified the following areas of concern (AOC):

- Identify environmental concerns regarding the 10,000 gallon USTs
- Test the integrity of certain tanks
- Clean the inside of the building
- Get the building up to code with NYC Building Dept.
- Perform additional environmental investigations
- Identify the means of demolition and waste disposal

RTP reports that the main areas of “potential environmental concern” within the property are the USTs and the piping/vent lines associated with them.

In addition to the aforementioned report, FPM Group of Ronkonkoma, New York, conducted a Phase I Environmental Site Assessment in April 2005. This report was much more detailed than the RTP report. FPM Group identified several AOCs. They include:

- UST's, both known and suspected
- Oil-Water Separator
- Sub grade pipe chaseways (trenches)
- Loading Dock Drain
- Drum Storage Area
- Printing Press Pits

- Asbestos
- Silos
- Freight Elevator
- Oil Stained Walls
- Groundwater and soil gas (site wide)

## 5.0 PLASTICIZER IDENTIFICATION

During the manufacturing process to produce various plastic and vinyl products the subject site stored a group of chemicals commonly referred to as plasticizers. These plasticizers include:

Bis(2-ethylhexyl)terephthalate	(Eastman DOTP)
Bis(2-ethylhexyl)adipate	(Eastman DOA)
Phthalate mix	(DINP Plasticizer)
Palatinol 711P phthalate	(BASF 711P)

The listed plasticizers were stored in several large (up to 10,000 gallon) USTs and used depending on the final product. Storage of hecla oil (machine lubricant), fuel oil and acetone was also identified in various USTs. During the subsurface investigation activities for UST closure, plasticizer as a free light non aqueous liquid (LNAPL) was identified in several groundwater monitoring wells.

Between May and December 2006, ASR installed a monitoring well network consisting of 17 groundwater monitoring wells (2 inch diameter) and ten (10) product recovery wells (4 inch diameter). This monitoring well network delineated the vertical and horizontal extent of the LNAPL (Figure - 8, Appendix - A).

In an effort to identify the nature and source of the LNAPL, the above list of plasticizers were supplied to a laboratory and used as a reference to fingerprint match the LNAPL in monitoring wells MW-4 through MW-7, RW-2, RW-3, and RW-5. The results were inconclusive since multiple plasticizers were identified in the same monitoring wells and the references themselves consisted of blends of other compounds including phthalates.

After the delineation of the LNAPL, ASR installed a series of ten (10) strategically located product recovery wells as part of an interim remedial measure (IRM). This IRM was developed and implemented to begin the process of removing LNAPL from the groundwater table. This action is currently ongoing and has successfully recovered over 2,300 gallons of LNAPL plasticizer as of March 27, 2007. The IRM currently consists of two (2) product only pumps and daily hand bailing from all wells containing LNAPL.

### 5.1 Fuel Oil

In addition to plasticizer LNAPL, fuel oil has also been identified as a LNAPL in a confined area in close proximity to the underground fuel oil tank. Monitoring wells MW-1 in the building and MW-9 in the sidewalk adjacent to the fuel oil UST contain LNAPL. The thickness of product in the wells can not be accurately determined due to the high

viscosity of the product. Based on observations made on-site, LNAPL thickness in the monitoring wells appears to be less than one (1) inch. A four (4) inch diameter recovery well (RW-7) was installed adjacent to the fuel oil UST as part of the IRM.

## **6.0 SUBSURFACE SOIL DELINIATION**

Given the size of the subject property, an extensive sampling protocol was developed. ASR staff designed a sampling network that was biased to the locations of the UST's (Borehole & Well Location Map, Figure - 2, Appendix A)

Between May 3, 2006 and July 24, 2006 ASR conducted 41 soil borings through the subject site. The sampling was conducted using a geoprobe direct push sampling rig, collecting discrete soil samples from grade to the groundwater table. At least one (1) sample from each borehole was submitted to a state certified laboratory for analysis of VOCs and SVOCs by EPA Method 8260 Stars and EPA Method 8270 Stars respectively. Several borehole locations were also sampled for pesticides by EPA Method 8081, PCBs by EPA Method 8082, and total RCRA Metals.

The results indicated detectable concentrations of VOCs in the soil samples from nine (9) of the 41 borehole locations, and detectable SVOCs (including plasticizers) in the soil samples from 30 of the 41 locations. Of the 30 samples containing detectable levels of SVOCs, 21 contained only plasticizers. The extent of soil contamination above NYSDEC guidance values was used to develop a Soil Impact Map indicating the delineated extent of the soil contamination by phthalates.

Mercury was detected in one (1) sample collected from soil boring SB-4 on May 2, 2006. Subsequently, the NYSDEC requested that the horizontal and vertical extent of the mercury identified in SB-4 be fully delineated. On December 7, 2006, ASR returned to this location and collected soil samples from the same location and depth as SB-4, five (5) feet north and 5 ft south. The samples were delivered to a state certified laboratory and analyzed for mercury only. The results indicated no detection of mercury in any of the samples collected, including the sample collected from the same location as SB-4.

The soil sample analytical results are summarized in the tables following Section 11.0.

## **7.0 GROUNDWATER MONITORING WELL INSTALLATIONS**

To obtain additional information about the nature of the contaminant, assist in delineating the extent and provide a means to collected groundwater samples, ASR installed a monitoring well network. This network consists of 16 groundwater monitoring wells, four (4) of which are located inside the building. The monitoring wells were installed between May and December, 2006. Photographs of the well installations are attached in Appendix B. In general the well construction consists of 10 feet of 2 inch diameter well screen intersecting the groundwater table with soil riser pipe to the surface. Monitoring wells installed in the building were left stubbed up two feet above grade, and the wells installed in the sidewalks were completed below grade and

covered with a small bolt down manhole cover. Boring logs detailing the subsurface soil classifications and well construction are attached as Appendix – C.

## **8.0 GROUNDWATER SAMPLING ACTIVITIES and RESULTS**

Shortly after the installation of each groundwater monitoring well, ASR returned to the site and gauged the well for depth to water and/or the detection of LNAPL using a sonic product interface probe. Of the 16 groundwater monitoring wells installed by ASR, six (6) contained various thickness of LNAPLs. Due to the presence of floating product, groundwater samples were not obtained from MW-1, MW-4 through MW-7, and MW-9. Groundwater samples from the remaining monitoring wells were collected and delivered to a state certified laboratory for analysis of VOCs and SVOCs by EPA Method 8260 Stars and EPA Method 8270 Stars respectively.

The groundwater sampling results indicated detectable concentrations of VOCs in the groundwater at three (3) of the ten (10) monitoring wells sampled, and detectable SVOCs (including plasticizers) in the groundwater samples from seven (7) of the ten (10) locations. The extent of groundwater contamination above NYSDEC guidance values developed a VOC Plume Map indicating the delineated extent of the soil contamination by phthalates.

No detection of VOCs or SVOCs above NSDEC guidance values were detected in the groundwater monitoring wells located across the adjacent streets.

The groundwater sample analytical results are summarized in the tables following Section 11.0.

## **9.0 INTERIM REMEDIAL MEASURE**

During the field and data collection activities to develop the Phase II environmental site assessment, it was determined that the thickness and extent of the LNAPL identified on the subject site was sufficient enough to design and implement an interim remedial measure. Between October and December, 2006 ASR installed a total of ten (10) four (4) inch diameter product recovery wells. In November, 2006 two (2) recovery wells (RW-3 and RW-10) were retrofitted to maintain pumping units supplied by Spillbuster, Inc. The pumps use an auto seeking computer controlled mechanism to identify the product and groundwater interface. The pumps are designed to maintain less than one (1) inch of product in the well creating a cone-of-depression. Groundwater is not pumped by this system. The recovered product is pumped into 400 gallon capacity totes provided by the site. In addition to pumping, hand bailing of product is performed at the additional recovery wells and any monitoring wells which contain LNAPL. To date over 2,300 gallons of product has been recovered from the site. This IRM is anticipated to continue for product recovery.

## **10.0 GENERATED WASTE DISPOSAL**

During the field activities of the Phase II investigation, drill cuttings were generated. Specifically, the soil cuttings from the installation of groundwater monitoring wells and product recovery wells. A total of three (3) drums of soil were generated. Due to the concentration of Phthalate in the soil cuttings the drums were classified as Hazardous Soils for transportation and disposal to a certified disposal facility. In addition to the soil cuttings several drums of soil and liquid were generated during the UST closure activities. These drum were also properly classified, transported and disposed of at a certified disposal facility. Manifests and Bills of Lading are attached as Appendix – E.

## **11.0 SUMMARY**

### **Free Floating Product**

Under the west side of the building extending into the sidewalk of Franklyn and Clay Streets is a plume of free floating phthalate. This product plume has been delineated and does not extend beyond Franklyn, Clay or Commercial Streets. The plume appears to be stable; this is expected with the decommissioning of all USTs. An IRM has been designed, installed and maintained since November, 2006 and has recovered to date over 2,300 gallons of product.

### **Soil Sample Results**

In the west side of the building at the subject site, several phthalates (plasticizers) were detected at levels above and below the NYSDEC, "Allowable Soil Concentrations." These two phthalates, Bis(2-ethylhexyl)phthalate and Di-n-octylphthalate (believed to be DOTP and DINP respectfully), were detected in several soil boring samples taken from the western portion of the building. In addition, phthalates were detected in the soil below the sidewalk adjacent to the west side of the property. The two phthalates were also detected in the soil under the sidewalk adjacent to the north side of the building (Soil Plume Map, Appendix A).

The analysis of a series of samples collected from the west side of the building indicated the presence of several SVOCs both above and below the NYSDEC, "Allowable Soil Concentrations." This plume was found to be down groundwater gradient of hecla oil USTs. Lower levels of several SVOCs were also detected in the northeast portion of the property in the area of the Fuel Oil USTs.

Overall, VOCs were detected in a total of nine (9) soil borings, with the total VOCs ranging from 17 ppb to 40,500 ppb. The higher levels of VOCs were detected near the hecla oil tanks and #2 fuel oil tanks.

### **Groundwater Samples Results Summary**

The phthalates detected inside the building, Bis(2-ethylhexyl)phthalate and Di-n-octylphthalate, were also detected in the groundwater inside the building. During the off site groundwater investigation, the phthalates were detected in wells directly adjacent to the building to the west. Based on the results of the groundwater monitoring wells, a plume of phthalates appears to be beneath the western portion of the building as well as down gradient under the sidewalk. No

detection of VOCs or SVOCs above NYSDEC guidance values were detected in the groundwater monitoring wells located across the adjacent streets.

VOCs in the groundwater were detected around the fuel oil UST in the northeast portion of the subject site.

### **Conclusion**

Based on research, monitoring data and the analysis of the soil and groundwater samples collected in and adjacent to the subject site, several conclusions are suggested. It is suggested that a significant amount of plasticizers are currently adhered to the subsurface soils on the western portion of the subject site. Free floating phthalates (LNAPLs) has been identified in several monitoring wells in the western portion of the subject site as well as in the adjacent sidewalk on Franklyn Avenue and Clay Street.

Several smaller areas of soil and groundwater believed to be contaminated with oil constituents exist within the phthalate plume. A small area of VOC contamination exists in the north east portion of the property.

Based on the estimated volume of the contaminants detected, it is suggested that the phthalate plume is the largest area of concern. The phthalate plume, along with other minor contamination will be addressed as stated in the following section.

### **Recommendations**

Based on the recognized environmental conditions identified during the Phase II Site Assessment, ASR makes the following recommendations for the subject property referenced as 49-55 Dupont Street in Brooklyn, New York:

- Continue the existing IRM, with a consideration of product recovery enhancement.
- Develop a conceptual design and potential work plan for excavation and removal of soil with the greatest concentration of phthalates.
- Coordinate on going remediation with the future use of the property.
- Consider removal of the USTs that are suspected of being the source of the product as a method for potential increased product recovery in the source area.
- Continue monitoring and sampling on and off-site groundwater monitoring wells on a quarterly schedule.



## Soil Sampling Results Tables

**TABLE - 1**  
**Soil Analytical Results (ppb)**

Parameter	TAGM 4046	SB-1		SB-2		SB-3		SB-4		SB-5		SB-6		SB-7	
		1-5ft	5-10ft	1-5ft	10-12ft	1-5ft	5-10ft	1-5ft	13-15ft	1-5ft	10-12ft	1-5ft	14-16ft	1-5ft	11-13ft
VOCs (ug/kg)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	130	ND	ND	ND	1,700	ND	ND	ND	ND	ND	260	ND	ND	ND	ND
1,3,5-Trimethylbenzene	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	ND	ND
p-Isopropyltoluene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND
Benzene	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND
MTBE	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	ND	ND	ND	ND
n-Butylbenzene	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	ND
n-Propylbenzene	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND
o-Xylene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	54	ND	ND	ND	ND
<b>SVOCs (ug/kg)</b>															
Acenaphthene	920	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	ND
Anthracene	7,000	ND	ND	ND	ND	ND	ND	1,800	ND	1,700	ND	550	ND	620	ND
Benzo [a] anthracene	28	ND	ND	ND	ND	ND	ND	3,900	ND	3,500	ND	2,000	ND	2,800	ND
Benzo [a] pyrene	110	ND	ND	ND	ND	ND	ND	2,700	ND	2,000	ND	1,300	ND	1,900	ND
Benzo [b] fluoranthene	11	ND	ND	ND	ND	ND	ND	2,400	ND	2,300	ND	1,400	ND	1,800	ND
Benzo [g,h,i] perylene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	ND	600	ND
Benzo [k] fluoranthene	11	ND	ND	ND	ND	ND	ND	2,900	ND	1,900	ND	1,100	ND	1,400	ND
Chrysene	4	ND	ND	ND	ND	ND	ND	4,000	ND	3,300	ND	1,800	ND	2,600	ND
Dibenze [a,h] anthracene	1,650,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	340	ND
Fluoranthene	19,000	ND	ND	ND	ND	ND	ND	11,000	ND	8,300	ND	4,600	ND	5,500	ND
Fluorene	3,650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] pyrene	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	ND	680	ND
Naphthalene	130	ND	ND	ND	ND	ND	ND	2,000	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	2,180	ND	ND	ND	ND	ND	ND	13,000	ND	8,400	ND	2,700	ND	4,000	ND
Pyrene	6,650	ND	ND	ND	ND	ND	ND	9,000	ND	7,100	ND	4,000	ND	5,100	ND
Bis(2-ethylhexyl)phthalate	4,350	ND	ND	ND	ND	ND	190	ND	140,000	ND	150,000	ND	12,000,000	4,800	6,800
Di-n-octylphthalate	1,200	ND	ND	ND	ND	ND	ND	ND	200,000	ND	ND	ND	ND	ND	ND

Guidance value is the NYSDEC Soil Cleanup Objective based on NYSDEC's TAGM 4046, dated January 24, 1994, revised August 22, 2001.

NS - Not Sampled

ND - Not detected above laboratory's minimum detection limit.

**TABLE - 1**  
**Soil Analytical Results (ppb)**

Parameter	TAGM 4046	SB-8	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-16	SB-17	SB-18	SB-19
<b>VOCs (ug/kg)</b>													
1,2,4-Trimethylbenzene	130	ND	ND	ND	ND	ND	ND	11,000	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	33	ND	ND	ND	ND	ND	ND	2,300	ND	ND	ND	ND	ND
p-Isopropyltoluene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	55	ND	ND	ND	ND	ND	ND	860	ND	ND	ND	ND	ND
Isopropylbenzene	23	ND	ND	ND	ND	ND	ND	660	ND	ND	ND	ND	ND
m,p-Xylenes	12	ND	ND	ND	ND	ND	ND	2,300	ND	ND	ND	ND	ND
MTBE	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	ND	ND	ND	ND	ND	ND	14,000	ND	ND	ND	ND	ND
n-Butylbenzene	120	ND	ND	ND	ND	ND	ND	2,600	ND	ND	ND	ND	ND
n-Propylbenzene	37	ND	ND	ND	ND	ND	ND	1,400	ND	ND	ND	ND	ND
o-Xylene	12	ND	ND	ND	ND	ND	ND	650	ND	ND	ND	ND	ND
sec-Butylbenzene	110	ND	ND	ND	ND	ND	ND	870	ND	ND	ND	ND	ND
Toluene	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>SVOCs (ug/kg)</b>													
Acenaphthene	920	ND	ND	ND	ND	ND	ND	ND	ND	ND	580	ND	ND
Anthracene	7,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	390	ND	ND
Benzo [a] anthracene	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] pyrene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [b] fluoranthene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] perylene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [k] fluoranthene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenze [a,h] anthracene	1,650,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	19,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	3,650	ND	ND	ND	ND	ND	ND	ND	ND	ND	340	ND	ND
Indeno [1,2,3-cd] pyrene	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	ND	ND
Naphthalene	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	2,180	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500	ND	ND
Pyrene	6,650	ND	ND	ND	ND	ND	ND	ND	ND	ND	710	ND	ND
Bis(2-ethylhexyl)phthalate	4,350	280	170	ND	260	ND	370	ND	ND	ND	500	ND	ND
Di-n-octylphthalate	1,200	ND	ND	ND	ND	ND	ND	ND	ND	300	ND	ND	ND

Guidance value is the NYSDEC Soil Cleanup Objective based on NYSDEC's TAGM 4046, dated January 24, 1994, revised August 22, 2001.  
 NS - Not Sampled  
 ND - Not detected above laboratory's minimum detection limit.

**TABLE - 1**  
**Soil Analytical Results (ppb)**

Parameter	TAGM 4046	SB-20	SB-21	SB-23	SB-24	SB-32	SB-34	SB-36	SB-37	SB-38a	SB-38b	SB-39
<b>VOCs (ug/kg)</b>												
1,2,4-Trimethylbenzene	130	ND	ND	ND	ND	ND	74	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	33	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND
p-Isopropyltoluene	110	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	210
Benzene	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190
m,p-Xylenes	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND
n-Butylbenzene	120	ND	ND	ND	ND	ND	25	ND	ND	ND	ND	930
n-Propylbenzene	37	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	740
o-Xylene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	110	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	400
Toluene	15	ND	ND	ND	ND	ND	27	ND	ND	ND	ND	ND
<b>SVOCs (ug/kg)</b>												
Acenaphthene	920	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13,000
Anthracene	7,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25,000
Benzo [a] anthracene	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	44,000
Benzo [a] pyrene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33,000
Benzo [b] fluoranthene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26,000
Benzo [g,h,i] perylene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,600
Benzo [k] fluoranthene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32,000
Chrysene	4	ND	ND	220	ND	ND	ND	ND	ND	ND	ND	48,000
Dibenze [a,h] anthracene	1,650,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	19,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	88,000
Fluorene	3,650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17,000
Indeno [1,2,3-cd] pyrene	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,000
Naphthalene	130	ND	ND	1,600	ND	ND	ND	ND	ND	ND	ND	12,000
Phenanthrene	2,180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86,000
Pyrene	6,650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	80,000
Bis(2-ethylhexyl)phthalate	4,350	ND	ND	380	14,000	1,500	610,000	ND	100,000	3,500	ND	ND
Di-n-octylphthalate	1,200	ND	ND	ND	16,000	ND	41,000	1,000	8,300	ND	1,000	ND

Guidance value is the NYSDEC Soil Cleanup Objective based on NYSDEC's TAGM 4046, dated January 24, 1994, revised August 22, 2001.  
 NS – Not Sampled  
 ND – Not detected above laboratory's minimum detection limit.

**TABLE - 1**  
**Soil Analytical Results (ppb)**

Parameter	TAGM 4046	SB-44	SB-46	SB-48	SB-49	SB-50	SB-51	SB-52	SB-56	SB-57	SB-58	SB-59
<b>VOCs (ug/kg)</b>												
1,2,4-Trimethylbenzene	130	73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	12	62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTBE	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	120	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	37	58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>SVOCs (ug/kg)</b>												
Acenaphthene	920	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	7,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] anthracene	28	ND	ND	ND	ND	ND	ND	840	ND	ND	ND	ND
Benzo [a] pyrene	110	ND	ND	ND	ND	ND	ND	780	ND	ND	ND	ND
Benzo [b] fluoranthene	11	ND	ND	ND	ND	ND	ND	730	ND	ND	ND	ND
Benzo [g,h,i] perylene	80,000	ND	ND	ND	ND	ND	ND	280	ND	ND	ND	ND
Benzo [k] fluoranthene	11	ND	ND	ND	ND	ND	ND	590	ND	ND	ND	ND
Chrysene	4	ND	220	ND	ND	ND	ND	740	ND	ND	ND	ND
Dibenze [a,h] anthracene	1,650,000	ND	ND	ND	ND	ND	ND	210	ND	ND	ND	ND
Fluoranthene	19,000	ND	ND	ND	ND	ND	ND	1,200	ND	ND	ND	ND
Fluorene	3,650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] pyrene	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	ND	ND	ND	690	220	ND	ND	ND	ND	ND	ND
Phenanthrene	2,180	ND	ND	ND	ND	ND	ND	570	ND	ND	ND	ND
Pyrene	6,650	ND	ND	ND	ND	ND	ND	1,300	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	4,350	20,000,000	340	4,800	230	3,700	34,000	3,400	ND	ND	ND	ND
Di-n-octylphthalate	1,200	ND	ND	ND	330	1,000	11,000	460	ND	6,800	ND	ND

Guidance value is the NYSDEC Soil Cleanup Objective based on NYSDEC's TAGM 4046, dated January 24, 1994, revised August 22, 2001.

NS - Not Sampled

ND - Not detected above laboratory's minimum detection limit.

**TABLE - 1**  
**Soil Analytical Results (ppb)**

Parameter	TAGM 4046	MW-5		MW-6		MW-7		MW-8		MW-9		MW-10		MW-11
		4-9ft	10-15ft	5-10ft	10-15ft	5-10ft	10-15ft	5-10ft	10-15ft	5-10ft	10-15ft	5-10ft	10-15ft	
<b>VOCs (ug/kg)</b>														
1,2,4-Trimethylbenzene	130	ND	420	ND	ND	ND	35	ND	ND	ND	ND	ND	ND	8-10ft
1,3,5-Trimethylbenzene	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	480	ND	ND	ND
m,p-Xylenes	12	ND	ND	ND	ND	ND	36	ND	ND	ND	620	ND	ND	ND
MTBE	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	ND	220	ND	ND	ND	ND	ND	ND	4,000	3,600	ND	ND	ND
n-Butylbenzene	120	ND	ND	ND	ND	ND	ND	ND	ND	1,100	1,100	ND	ND	ND
n-Propylbenzene	37	ND	ND	ND	ND	ND	ND	ND	ND	850	1,100	ND	ND	ND
o-Xylene	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	110	ND	ND	31	ND	ND	ND	ND	ND	720	690	ND	ND	ND
Toluene	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>SVOCs (ug/kg)</b>														
Acenaphthene	920	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170
Anthracene	7,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	320
Benzo [a] anthracene	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	350
Benzo [a] pyrene	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180
Benzo [b] fluoranthene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] perylene	80,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [k] fluoranthene	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	210
Chrysene	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	320
Dibenze [a,h] anthracene	1,650,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	19,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	740
Fluorene	3,650	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	170
Indeno [1,2,3-cd] pyrene	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	2,180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	890
Pyrene	6,650	ND	ND	ND	ND	ND	ND	ND	ND	5,600	17,000	ND	ND	600
Bis(2-ethylhexyl)phthalate	4,350	ND	6,700,000	9,500,000	1,900,000	3,600	1,700,000	ND	12,000	ND	ND	ND	6,300	ND
Di-n-octylphthalate	1,200	ND	1,300,000	ND	180,000	ND	ND	ND	ND	ND	ND	ND	ND	ND

Guidance value is the NYSDEC Soil Cleanup Objective based on NYSDEC's TAGM 4046, dated January 24, 1994, revised August 22, 2001.

NS - Not Sampled

ND - Not detected above laboratory's minimum detection limit

**TABLE - 1**  
**Soil Analytical Results (ppb)**

Parameter	TAGM 4046	MW-12 8-10ft	MW-13 8-10ft	MW-14 8-10ft	MW-15 8-10ft	MW-16 8-10ft	ASR-11 5-10ft 10-15ft	ASR-12 5-10ft 10-15ft
VOCs (ug/kg)		73	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	130	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	33	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	110	ND	ND	ND	ND	ND	ND	ND
Benzene	0.6	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	55	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	23	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	12	ND	ND	ND	ND	ND	ND	ND
MTBE	1.2	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	120	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	37	ND	ND	ND	ND	ND	ND	ND
o-Xylene	12	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	110	ND	ND	ND	ND	ND	ND	ND
Toluene	15	ND	ND	ND	ND	ND	ND	ND
SVOCs (ug/kg)								
Acenaphthene	920	ND	ND	ND	ND	ND	ND	ND
Anthracene	7,000	ND	ND	ND	ND	ND	ND	ND
Benzo [a] anthracene	28	ND	ND	ND	ND	ND	ND	ND
Benzo [a] pyrene	110	ND	ND	ND	ND	ND	ND	ND
Benzo [b] fluoranthene	11	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] perylene	80,000	ND	ND	ND	ND	ND	ND	ND
Benzo [k] fluoranthene	11	ND	ND	ND	ND	ND	ND	ND
Chrysene	4	ND	ND	ND	ND	ND	ND	ND
Dibenze [a,h] anthracene	1,650,000	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	19,000	ND	ND	ND	ND	ND	ND	ND
Fluorene	3,650	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] pyrene	32	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	2,180	ND	ND	ND	ND	ND	ND	ND
Pyrene	6,650	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	4,350	ND	ND	ND	6,400	ND	190	ND
Di-n-octylphthalate	1,200	ND	ND	ND	ND	990	ND	ND

Guidance value is the NYSDEC Soil Cleanup Objective based on NYSDEC's TAGM 4046, dated January 24, 1994, revised August 22, 2001.  
NS - Not Sampled  
ND - Not detected above laboratory's minimum detection limit



## Groundwater Sampling Results Tables

**TABLE - 1**  
**Soil Analytical Results (ppb)**

Parameter	TAGM 4046	MW- 12 8-10ft	MW-13 8-10ft	MW-14 8-10ft	MW-15 8-10ft	MW-16 8-10ft	ASR-11 5-10ft 10-15ft	ASR-12 5-10ft 10-15ft
<b>VOCs (ug/kg)</b>								
1,2,4-Trimethylbenzene	130	73	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	33	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	110	ND	ND	ND	ND	ND	ND	ND
Benzene	0.6	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	55	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	23	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	12	ND	ND	ND	ND	ND	ND	ND
MTBE	1.2	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	120	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	37	ND	ND	ND	ND	ND	ND	ND
o-Xylene	12	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	110	ND	ND	ND	ND	ND	ND	ND
Toluene	15	ND	ND	ND	ND	ND	ND	ND
<b>SVOCs (ug/kg)</b>								
Acenaphthene	920	ND	ND	ND	ND	ND	ND	ND
Anthracene	7,000	ND	ND	ND	ND	ND	ND	ND
Benzo [a] anthracene	28	ND	ND	ND	ND	ND	ND	ND
Benzo [a] pyrene	110	ND	ND	ND	ND	ND	ND	ND
Benzo [b] fluoranthene	11	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] perylene	80,000	ND	ND	ND	ND	ND	ND	ND
Benzo [k] fluoranthene	11	ND	ND	ND	ND	ND	ND	ND
Chrysene	4	ND	ND	ND	ND	ND	ND	ND
Dibenze [a,h] anthracene	1,650,000	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	19,000	ND	ND	ND	ND	ND	ND	ND
Fluorene	3,650	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] pyrene	32	ND	ND	ND	ND	ND	ND	ND
Naphthalene	130	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	2,180	ND	ND	ND	ND	ND	ND	ND
Pyrene	6,650	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	4,350	ND	ND	ND	ND	ND	190	ND
Di-n-octylphthalate	1,200	ND	ND	ND	ND	990	ND	ND

Guidance value is the NYSDEC Soil Cleanup Objective based on NYSDEC's TAGM 4046, dated January 24, 1994, revised August 22, 2001.  
NS - Not Sampled  
ND - Not detected above laboratory's minimum detection limit

**TABLE - 2**  
**Groundwater Sampling Results Data**

Parameter	TOGS 1.1.1	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10
<b>VOCs (ug/L)</b>											
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	6	11	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	11	ND
Isopropylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	8	ND
m,p-Xylenes	10	ND	ND	ND	ND	ND	ND	ND	ND	11	ND
MTBE	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	75	ND	ND	ND	8	ND	ND	ND	71	ND
n-Butylbenzene	5	6	ND	ND	ND	ND	ND	ND	ND	6	ND
n-Propylbenzene	5	7	ND	ND	ND	ND	ND	ND	ND	10	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>SVOCs (ug/L)</b>											
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [a] pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [b] fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] perylene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo [k] fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenze [a,h] anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	75	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	99	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ND	60	31	120,000	780,000	1,300,000	370,000	89	ND	6
Di-n-octylphthalate	50	ND	ND	ND	160,000	90,000	ND	ND	ND	ND	ND

Guidance value is the NYSDEC Groundwater Quality Standards based on NYSDEC's TOGS 1.1.1, dated October 22, 1993, revised June 1998.  
 NS - Not Sampled  
 ND - Not detected above laboratory's minimum detection limit.

**TABLE - 2**  
**Groundwater Sampling Results Data**

Parameter	TOGS 1.1.1	MW-11	MW-12	MW-13	MW-14	ASR-11	ASR-12
<b>VOCs (ug/L)</b>							
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	2	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
m,p-Xylenes	10	ND	ND	ND	ND	ND	ND
MTBE	10	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	2,300
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
<b>SVOCs (ug/L)</b>							
Acenaphthene	20	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND
Benzo [a] anthracene	0.002	ND	ND	ND	ND	ND	ND
Benzo [a] pyrene	ND	ND	ND	ND	ND	ND	ND
Benzo [b] fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo [g,h,i] perylene	0.002	ND	ND	ND	ND	ND	ND
Benzo [k] fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
Dibenze [a,h] anthracene	0.002	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND
Indeno [1,2,3-cd] pyrene	0.002	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	210
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ND	17	ND	ND	18	ND
Di-n-octylphthalate	50	ND	ND	ND	ND	ND	ND

Guidance value is the NYSDEC Groundwater Quality Standards based on NYSDEC's TOGS 1.1.1, dated October 22, 1993, revised June 1998.  
NS - Not Sampled  
ND - Not detected above laboratory's minimum detection limit.

## **APPENDIX – A**

### **Figures**



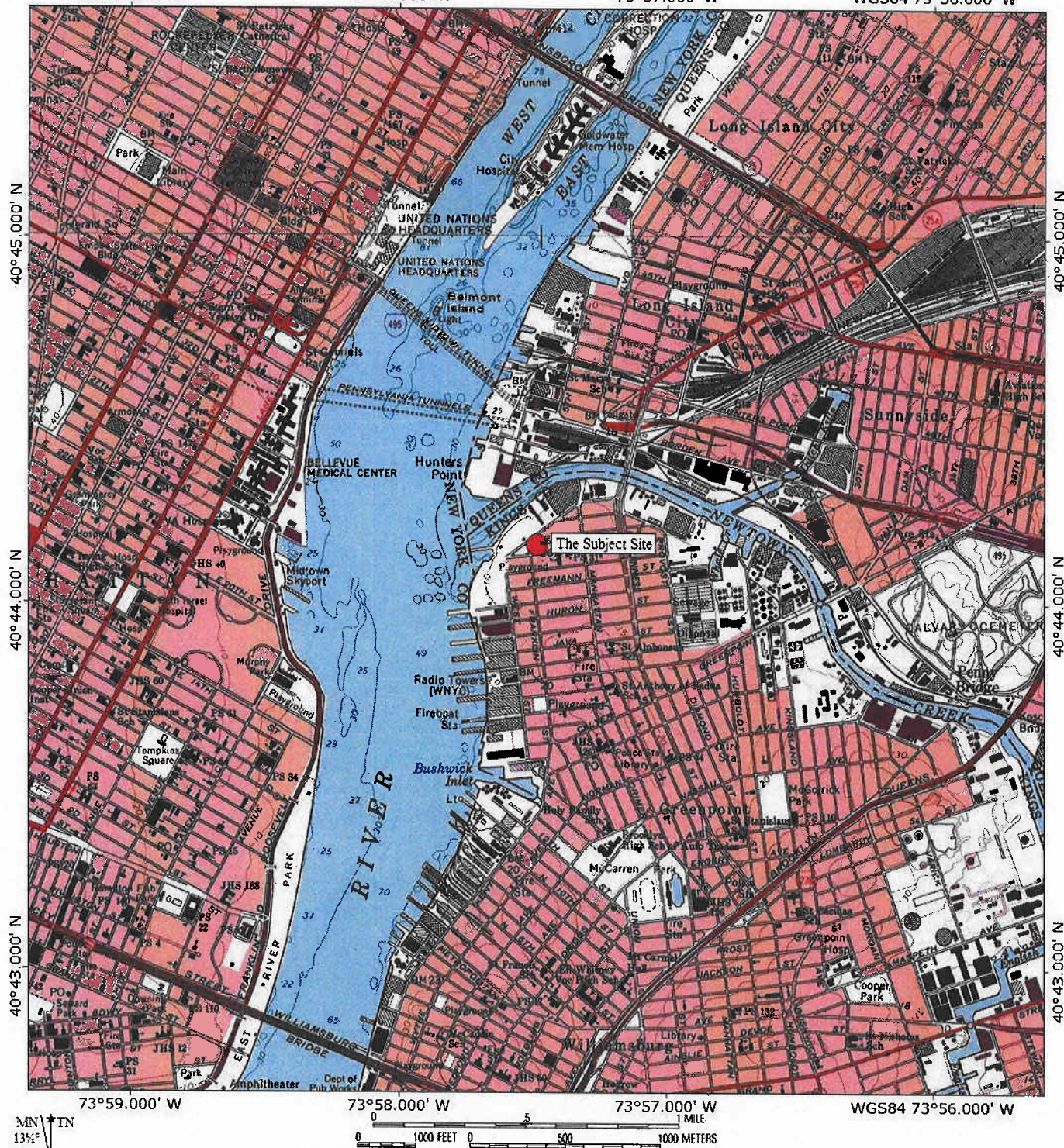
TOPO! map printed on 06/13/06 from "Northeast.tpo" and "Untitled.tpg"

73°59.000' W

73°58.000' W

73°57.000' W

WGS84 73°56.000' W

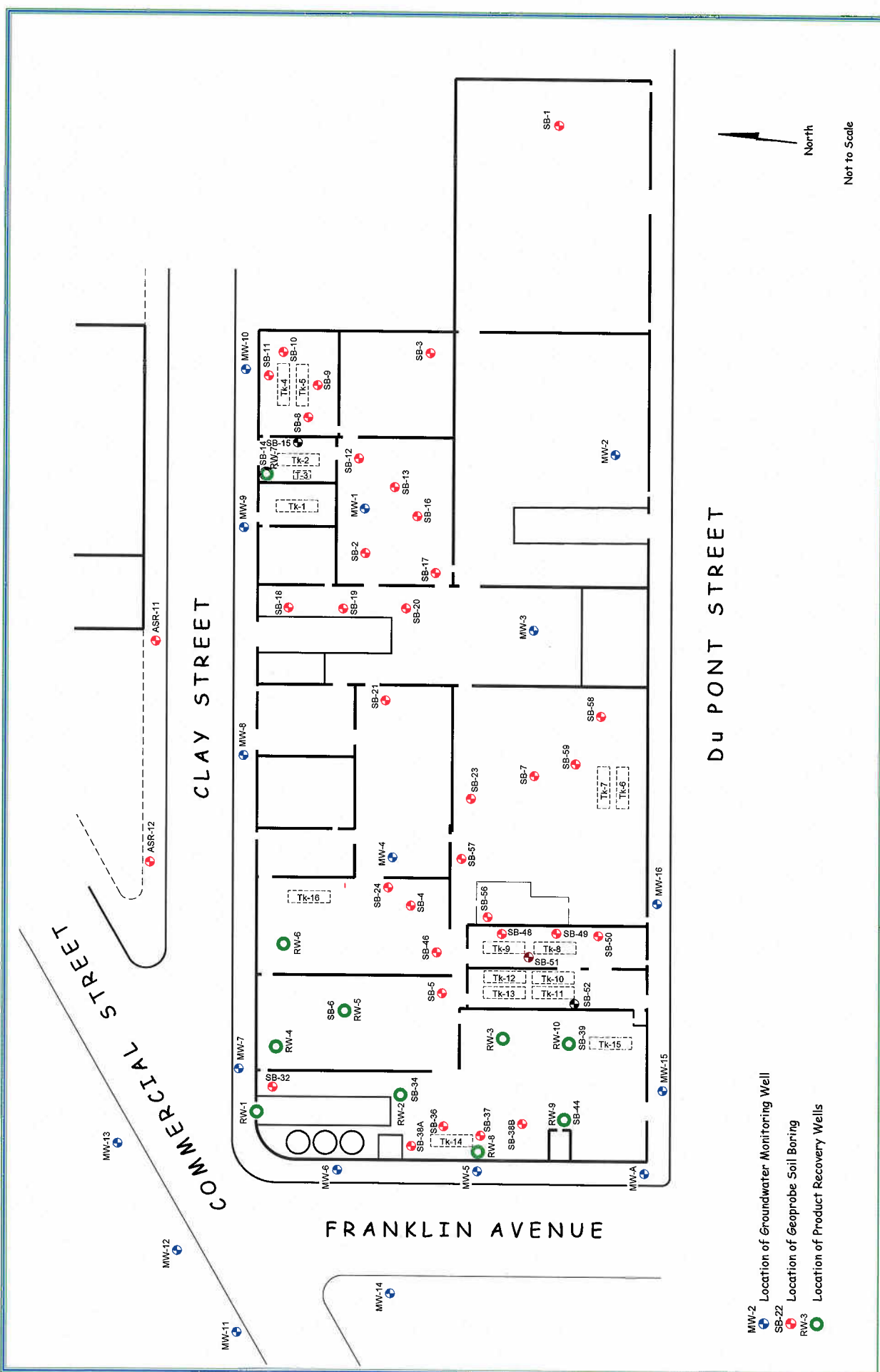


ADVANCED Site Restoration, LLC.  
Environmental Services

62 William St., 3rd Floor, New York, NY 10005  
Tel: 212-809-1110 Fax: 212-809-1779 info@askasr.com

Figure - 1  
Site Location Map  
49-55 Dupont Street  
Brooklyn, New York 11222





**ADVANCED Site Restoration, LLC.**  
Environmental Services

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Tel: 212-809-1110 Fax: 212-809-1779 info@askasr.com

# Borehole & Well Location Map

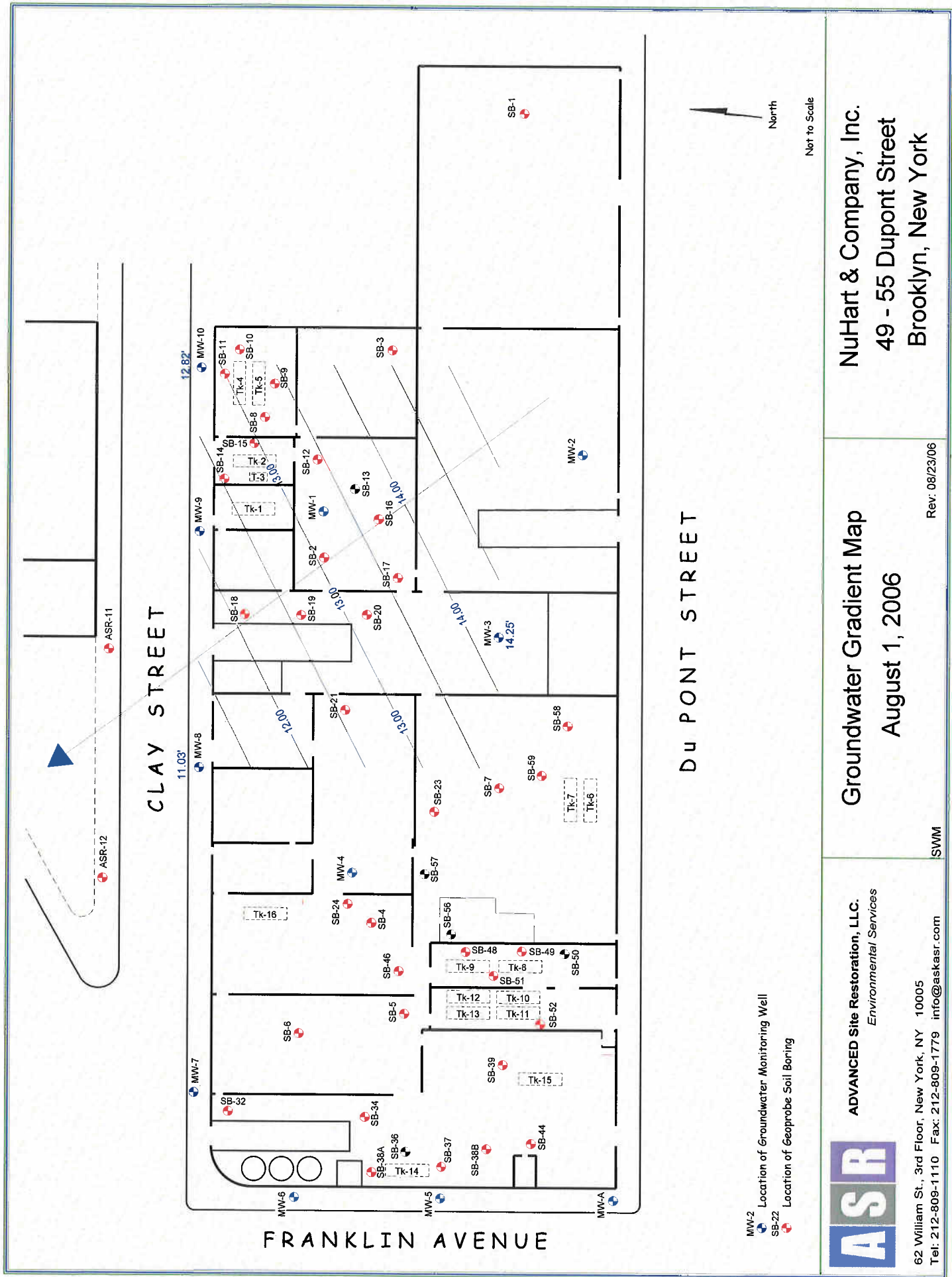
## December 2006

Rev. 12/14/06

SWM

**NuHart & Company, Inc.**  
49 - 55 Dupont Street  
Brooklyn, New York





**NuHart & Company, Inc.**  
 49 - 55 Dupont Street  
 Brooklyn, New York

**Groundwater Gradient Map**  
 August 1, 2006  
 Rev. 08/23/06

**ASR**  
**ADVANCED Site Restoration, LLC.**  
*Environmental Services*  
 62 William St., 3rd Floor, New York, NY 10005  
 Tel: 212-809-1110 Fax: 212-809-1779 info@askasr.com

COMMERCIAL STREET

FRANKLIN AVENUE



# LNAPL Map 49 - 55 Dupont Street Brooklyn, New York April 2007

**ADVANCED Site Restoration, LLC.**  
*Environmental Services*



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Tel: 212-809-1110 Fax: 212-809-1779 info@askasr.com

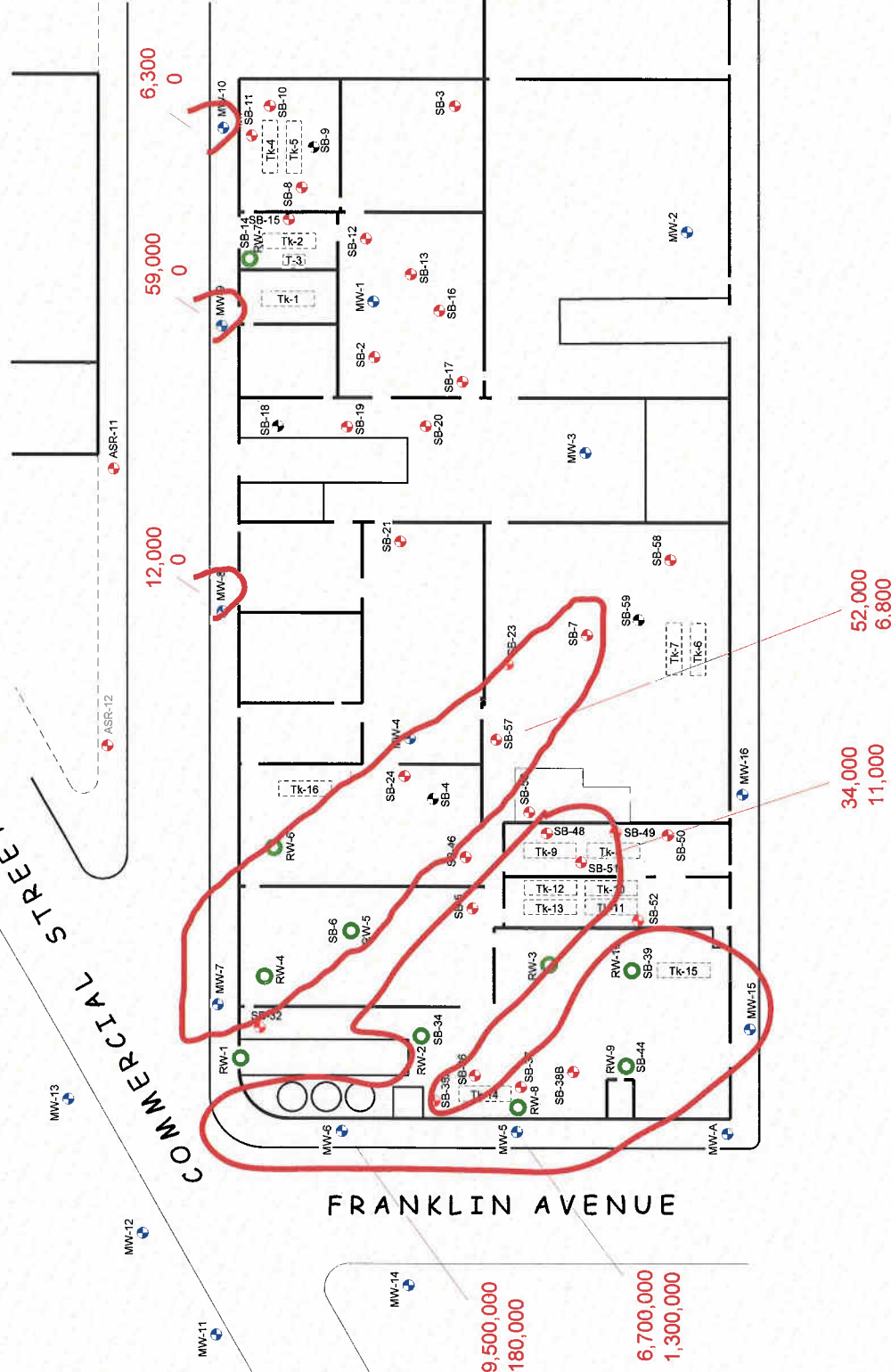
- MW-2 Location of Groundwater Monitoring Well
- SB-22 Location of Geoprobe Soil Boring
- RW-3 Location of Product Recovery Wells
- Area where LNAPL was detected

SWM

North  
Not to Scale

COMMERCIAL STREET

FRANKLIN AVENUE



Total Bis (2-Ethylhexyl) Phthalate  
Total Di-n-Octylphthalate

MW-2 Location of Groundwater Monitoring Well  
SB-22 Location of Geoprobe Soil Boring  
RW-3 Location of Product Recovery Wells  
Area where Bis (2-ethylhexyl) phthalate and Di-n-octylphthalate were detected above NYCDEC TAGM 4046

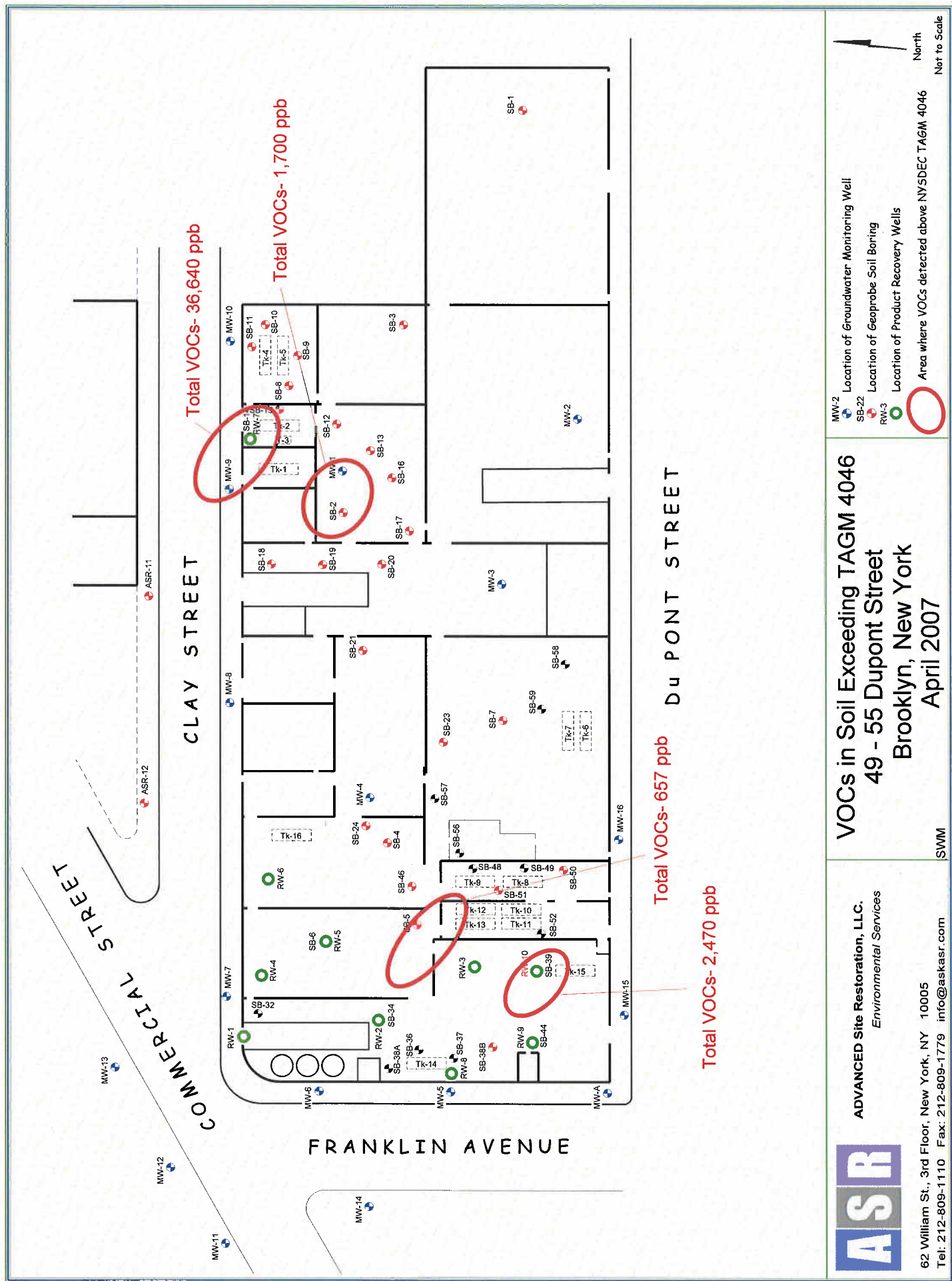
Phthalates in Soil Exceeding TAGM 4046  
49 - 55 Dupont Street  
Brooklyn, New York  
April 2007

**ASR**  
ADVANCED Site Restoration, LLC.  
Environmental Services

62 William St., 3rd Floor, New York, NY 10005  
Tel: 212-809-1110 Fax: 212-809-1779 info@askasr.com

SWM

North  
Not to Scale



**ADVANCED Site Restoration, LLC.**  
 Environmental Services

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 Tel: 212-809-1110 Fax: 212-809-1779 info@askasr.com

SWM

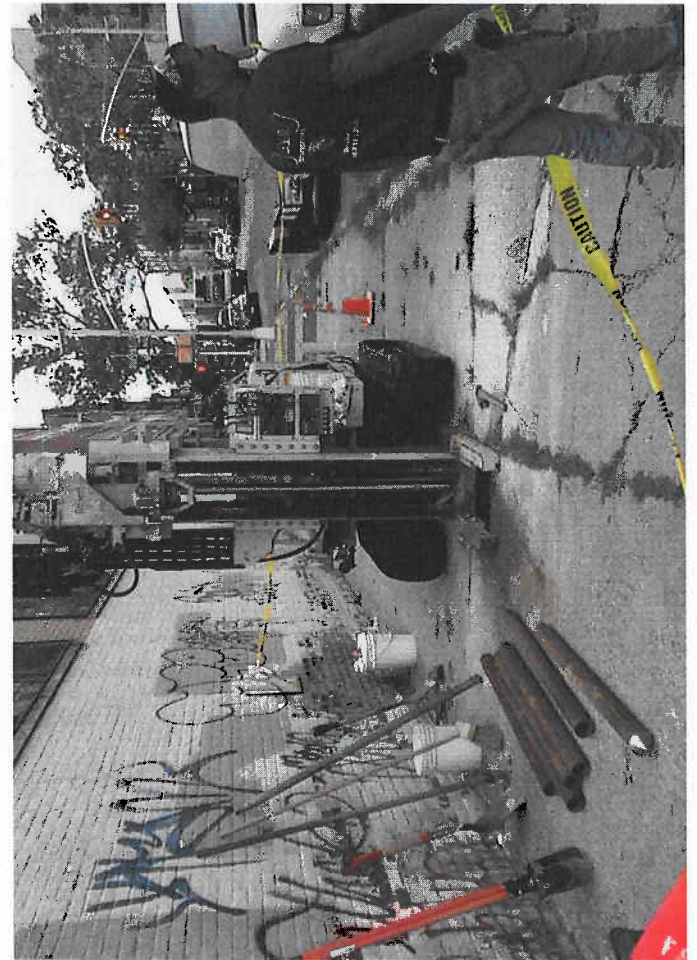
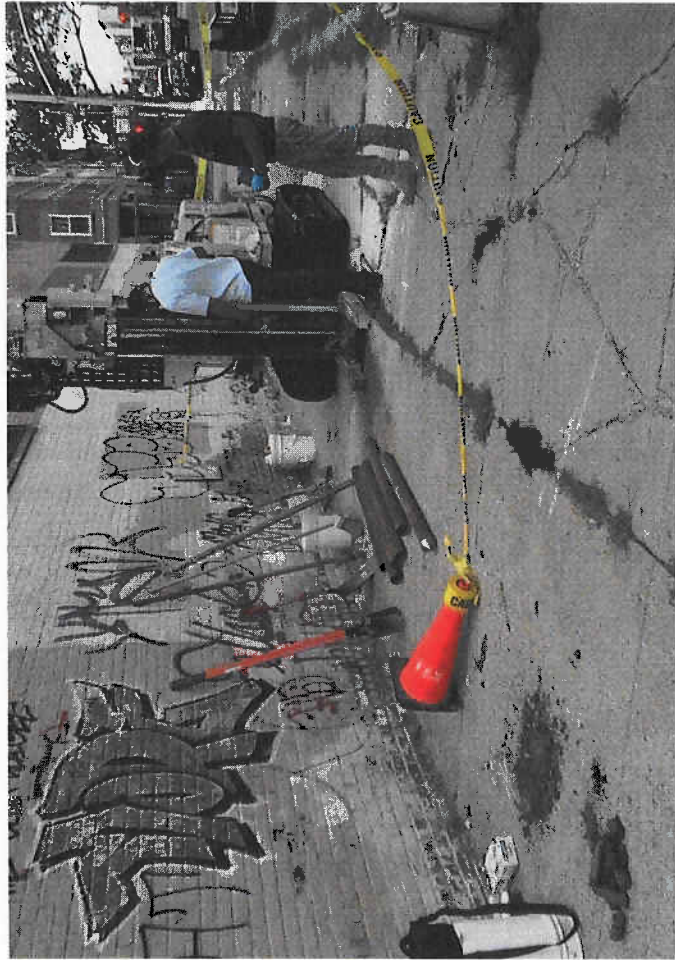
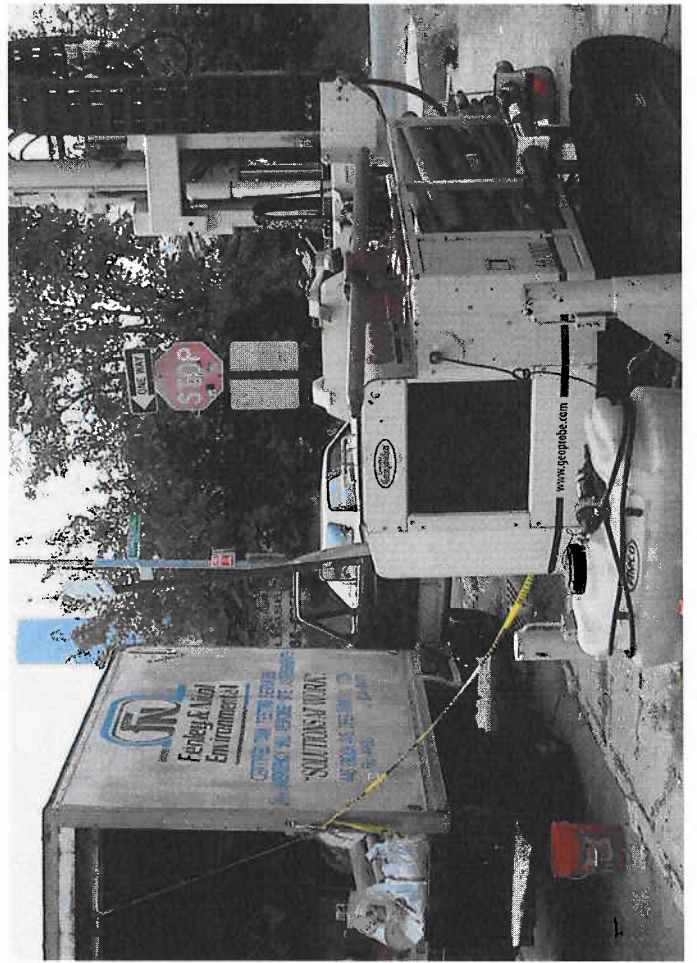
## **APPENDIX – B**

### **Site Photographs**

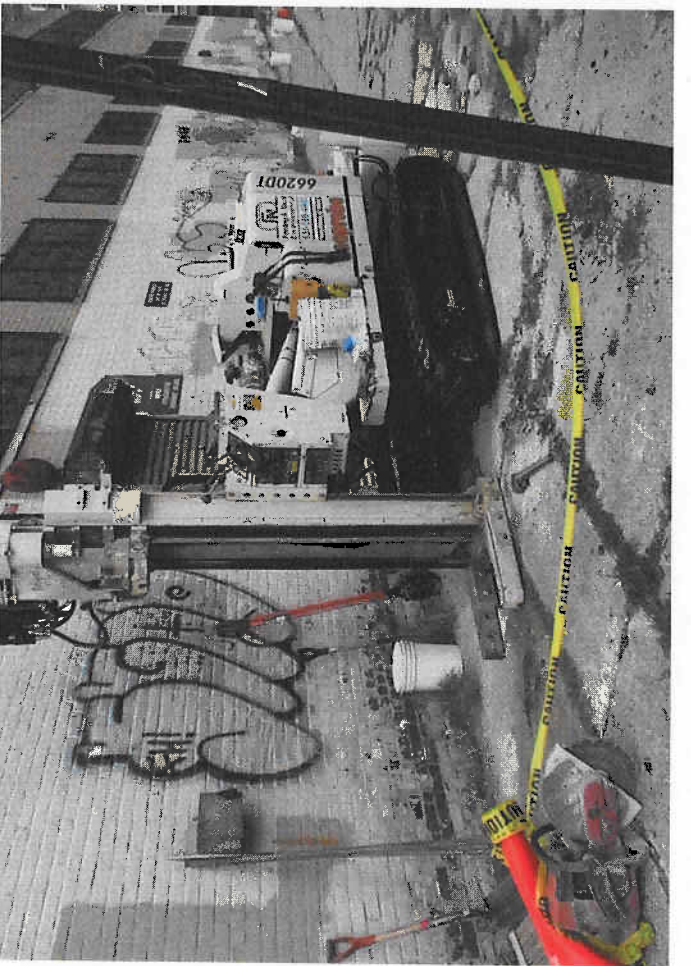
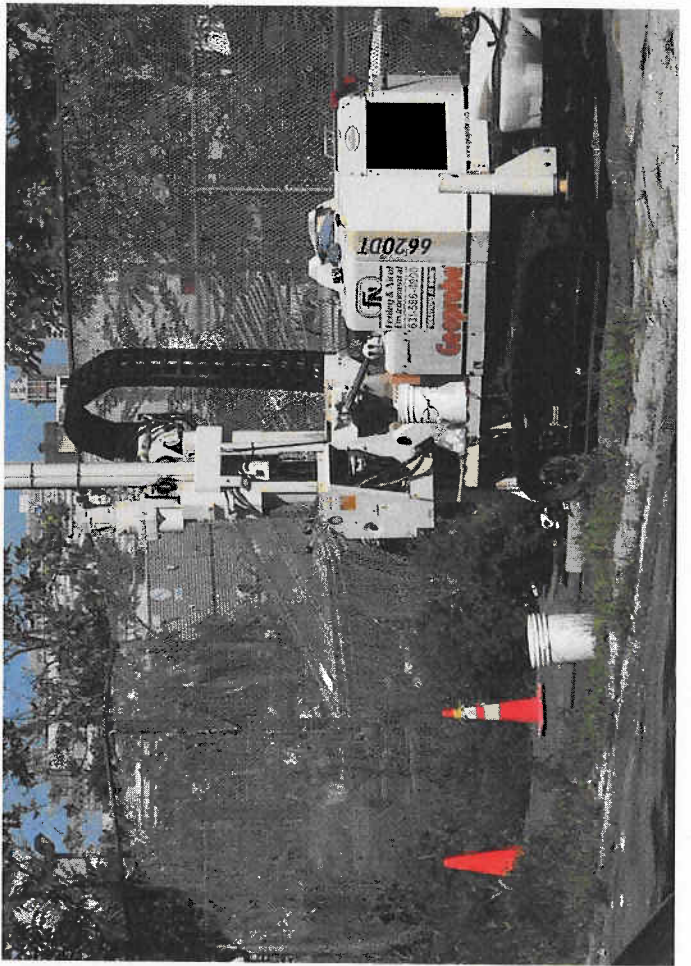












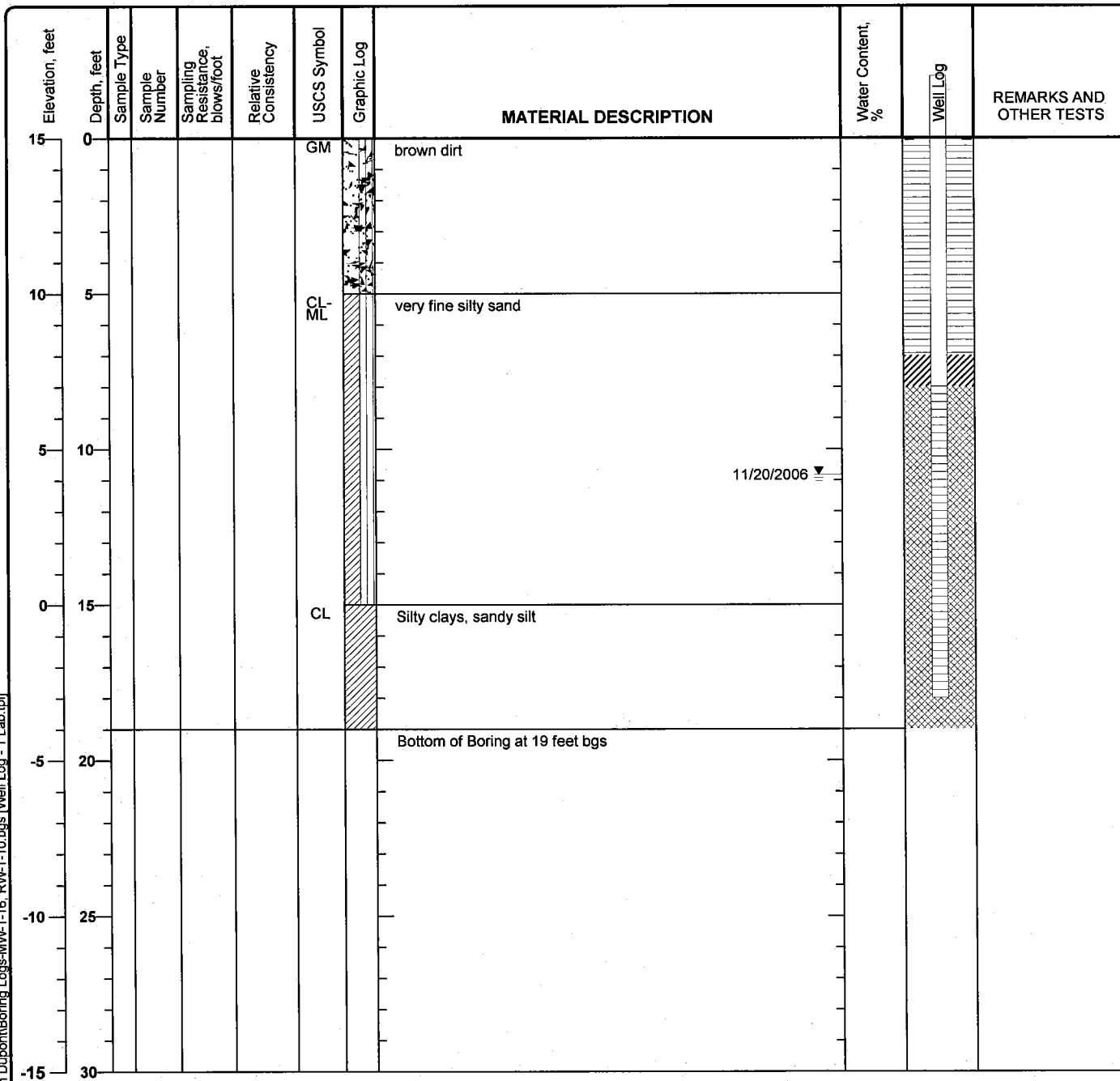
## **APPENDIX - C**

### **Boring Logs**

**Project: Dupont**  
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**  
**Project Number:**

**Log of Boring MW-1**  
 Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level <b>10.83 feet measured on 11/20/2006</b>	Sampling Method(s) <b>None</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Northeast Section of Building, south of Acetone, Fuel Oil tanks</b>	



Figure

**Project: Dupont**

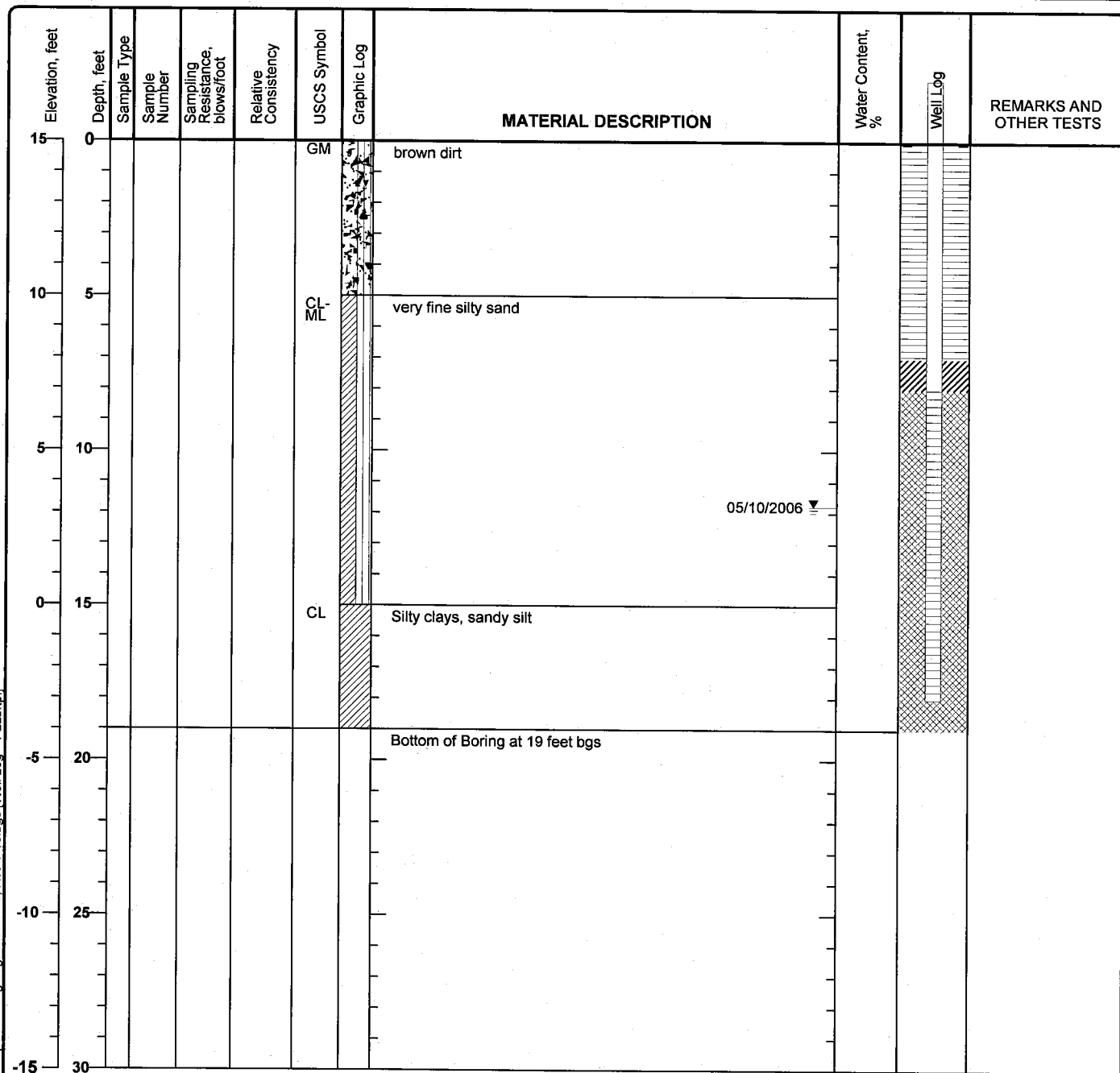
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring MW-2

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level <b>11.78 feet measured on and Date Measured 05/10/2006</b>	Sampling Method(s) <b>None</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>South east section of site, away from UST's</b>	



Figure

**Project: Dupont**

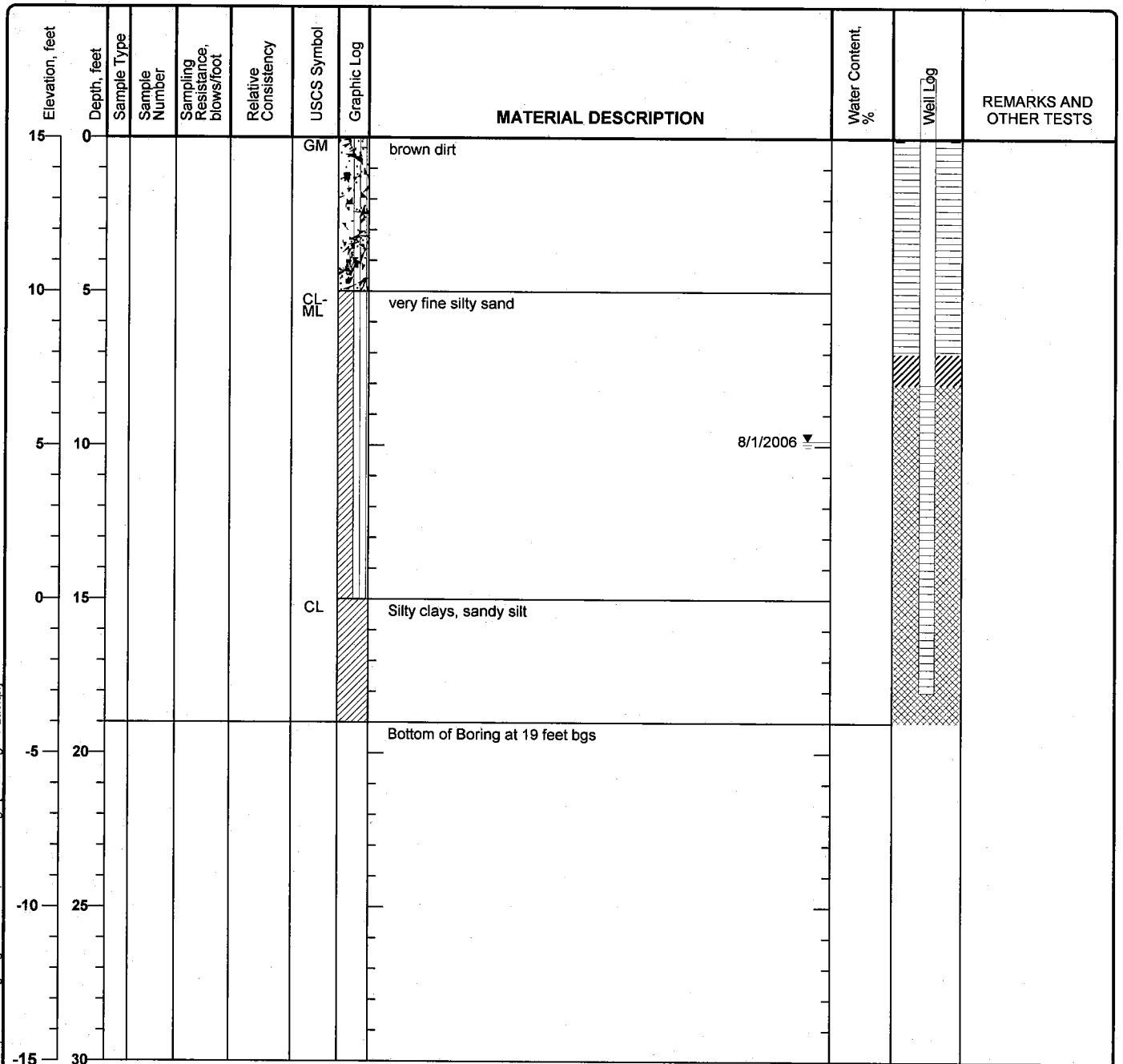
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring MW-3

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level <b>9.83 feet measured on and Date Measured 8/1/2006</b>	Sampling Method(s) <b>None</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Center of property, loading dock area, away from UST's</b>	



Figure

**Project: Dupont**

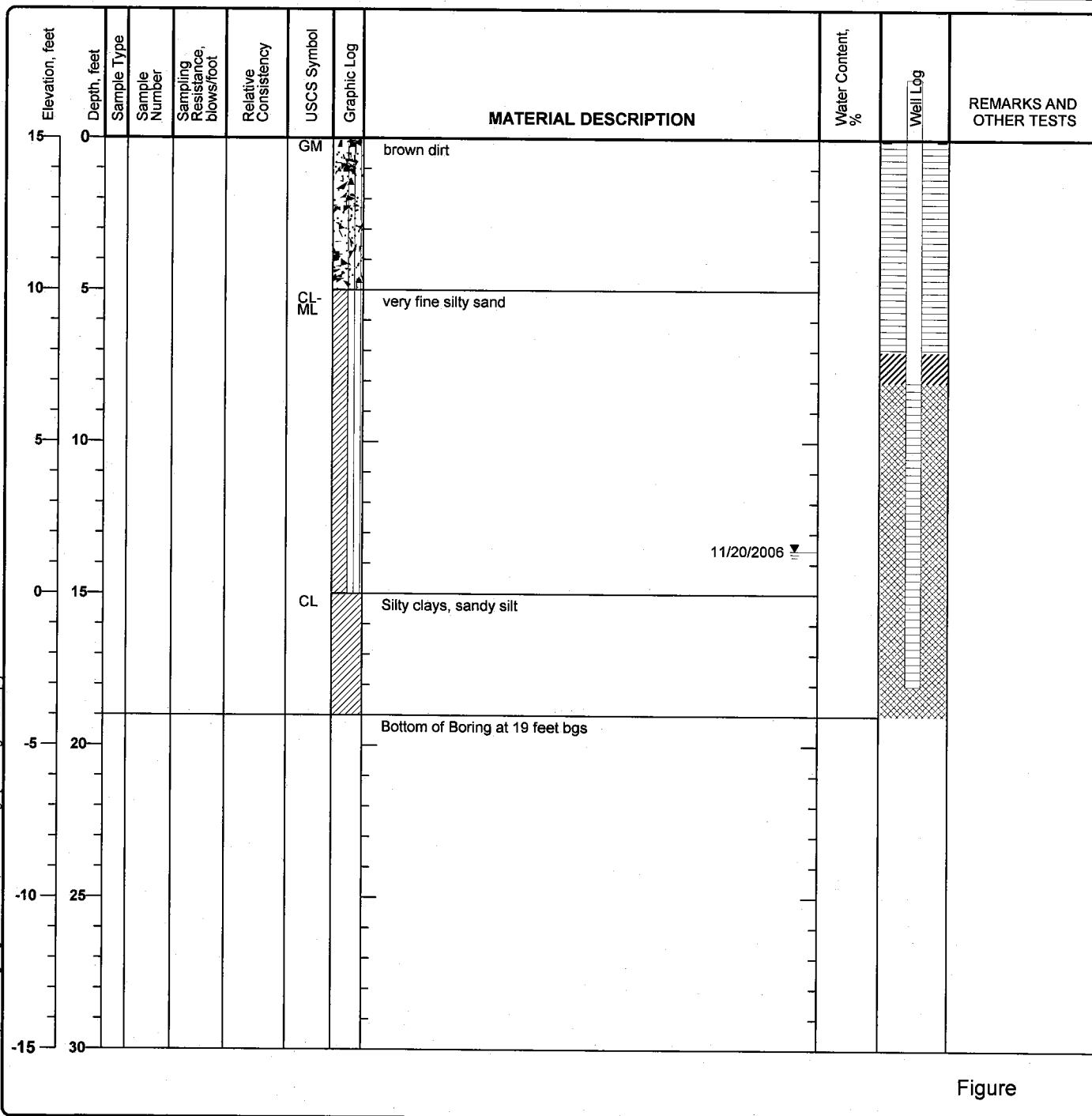
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring MW-4

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level and Date Measured <b>13.56 feet measured on 11/20/2006</b>	Sampling Method(s) <b>None</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>North west section of property, in vicinity of Phthalate and Hecla Oil UST's</b>	

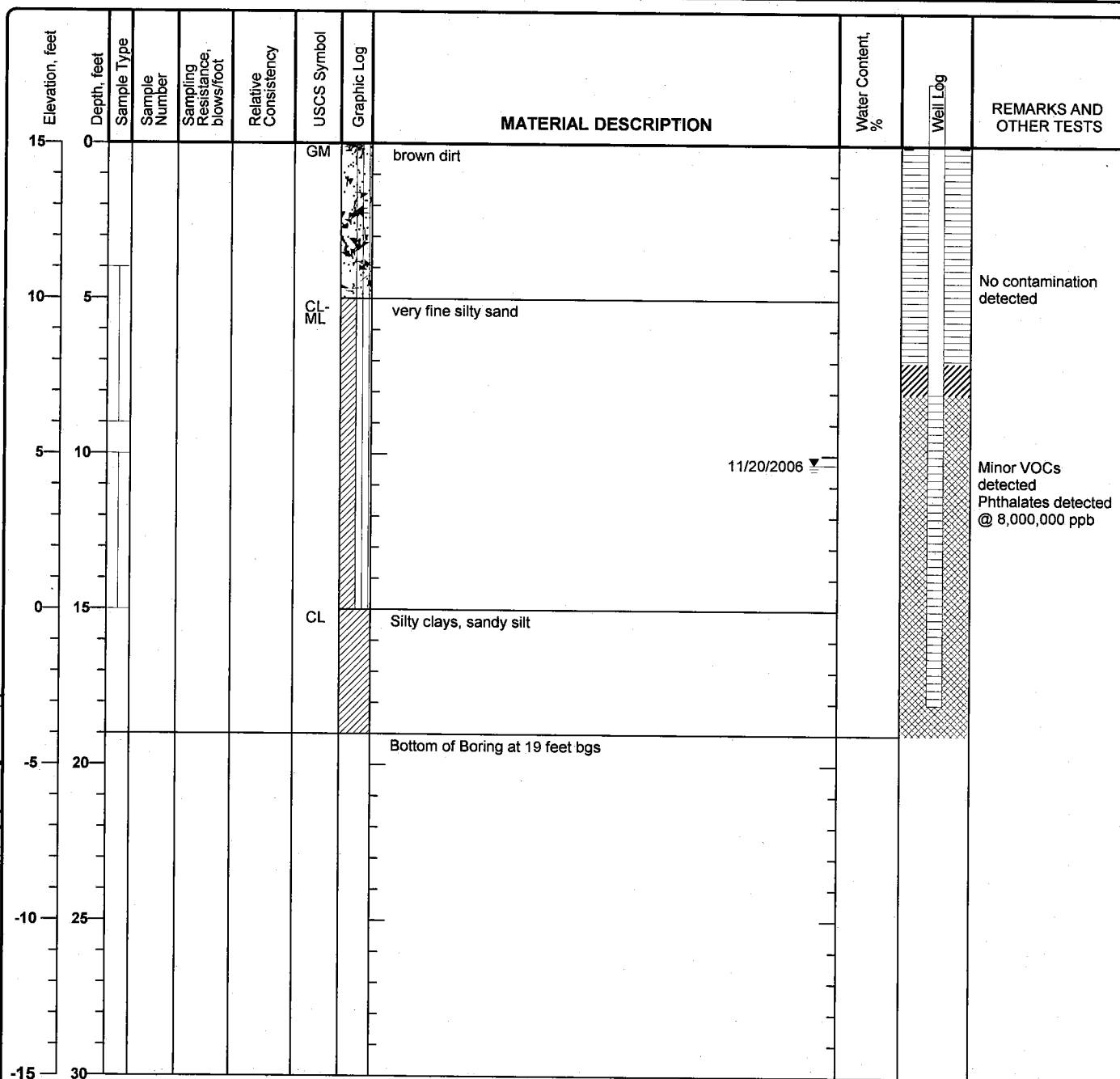


Figure

**Project: Dupont****Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222****Project Number:****Log of Boring MW-5**

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level and Date Measured <b>10.3 feet measured on 11/20/2006</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk along the west side of the property, along Franklin Ave</b>	



Figure

**Project: Dupont**

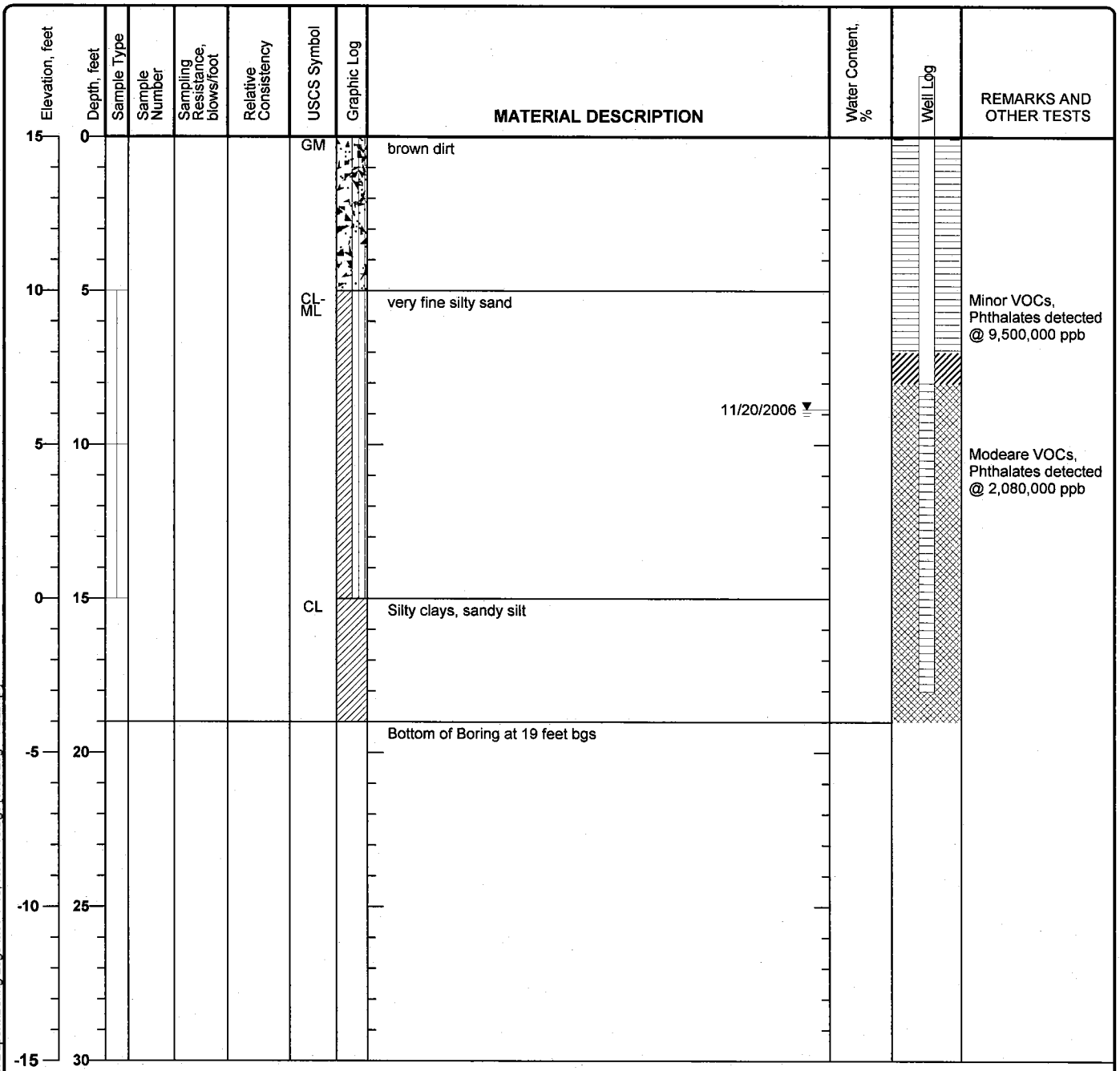
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring MW-6

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level <b>8.85 feet measured on and Date Measured 11/20/2006</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk along the north west side of the property, along Franklin Ave</b>	



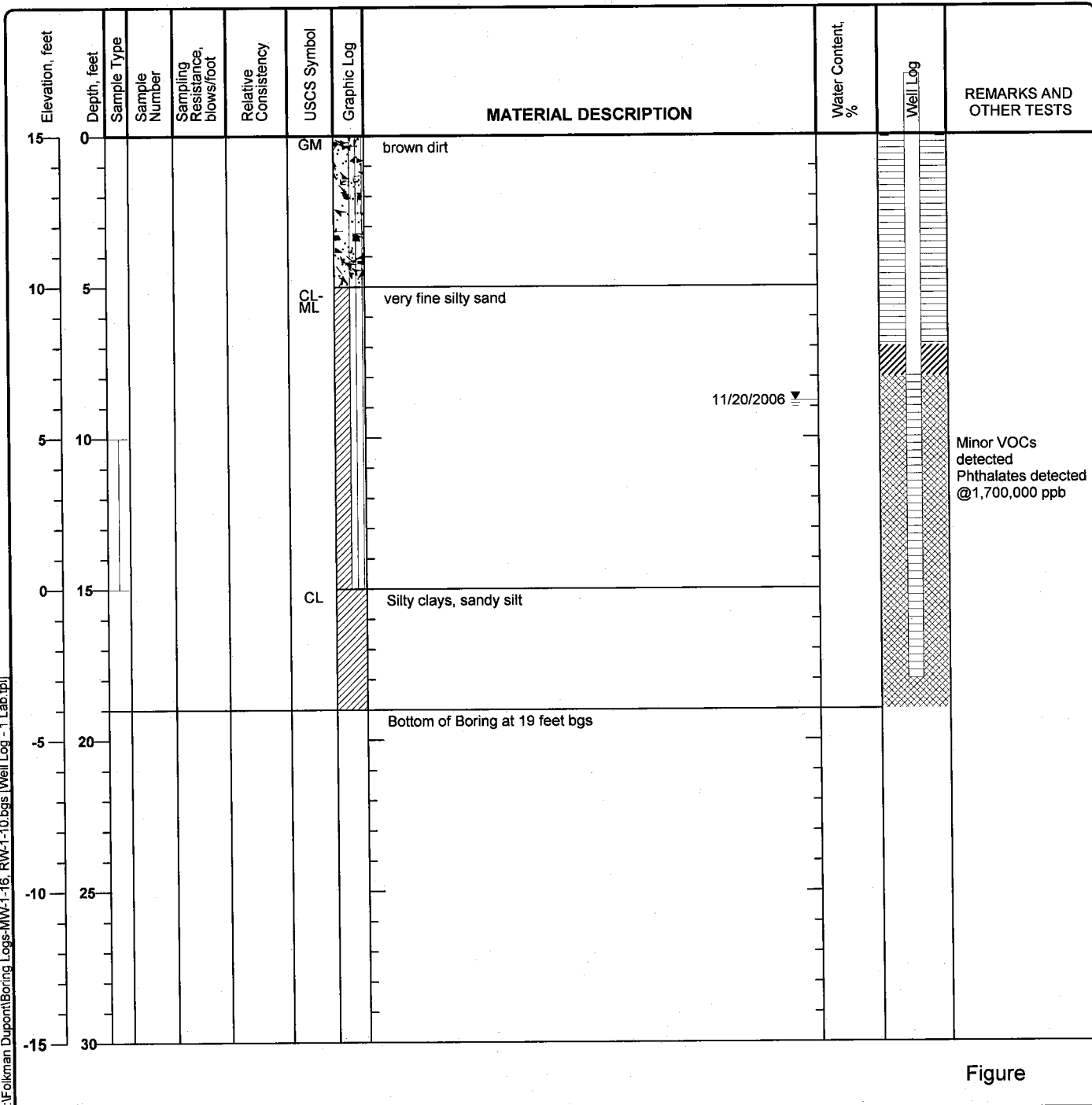
Figure



**Project: Dupont**  
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**  
**Project Number:**

**Log of Boring MW-7**  
 Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level <b>8.8 feet measured on and Date Measured 11/20/2006</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk along the north west side of the property, along Clay Street</b>	



**Project: Dupont**

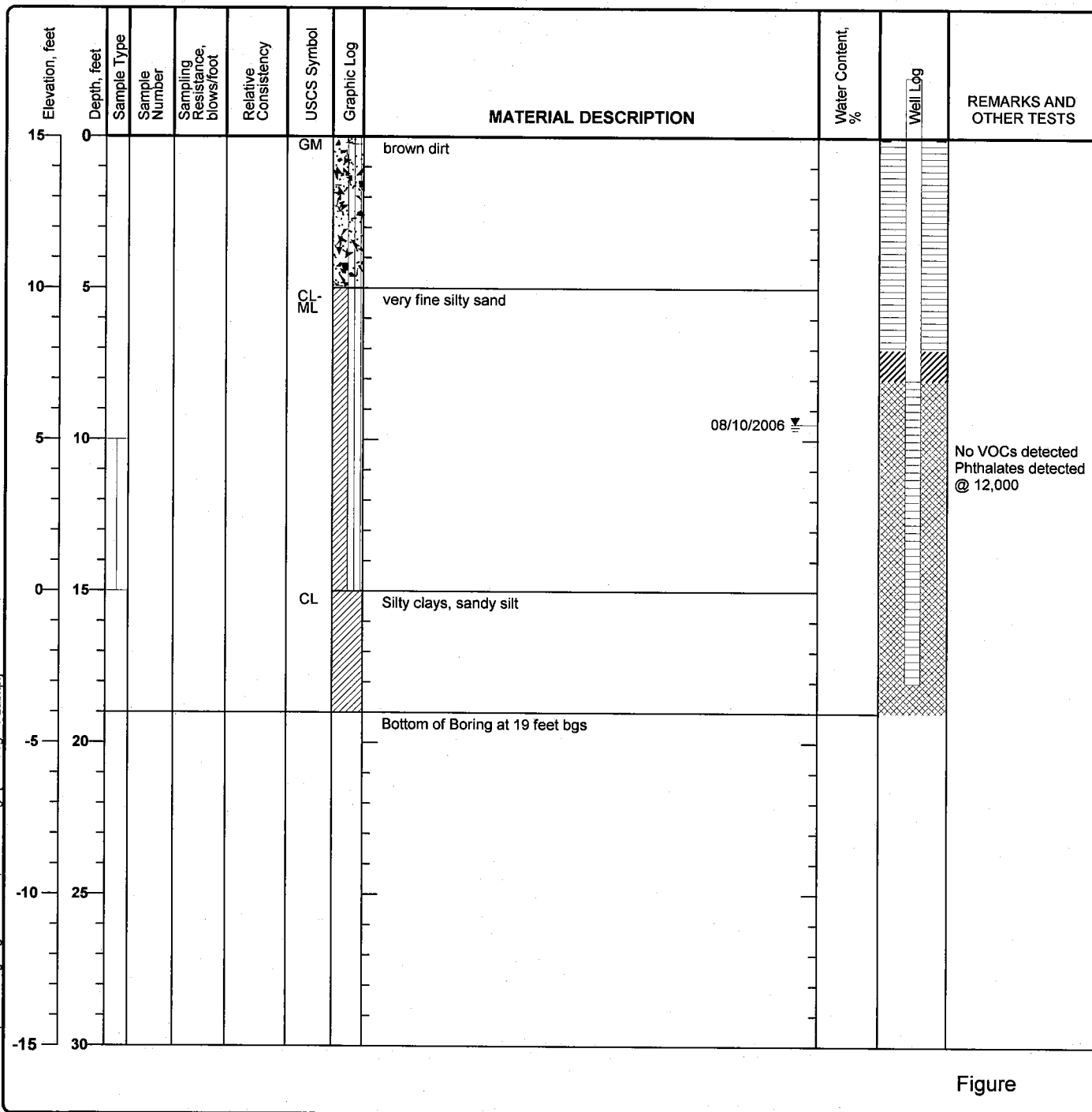
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring MW-8

Sheet 1 of 1

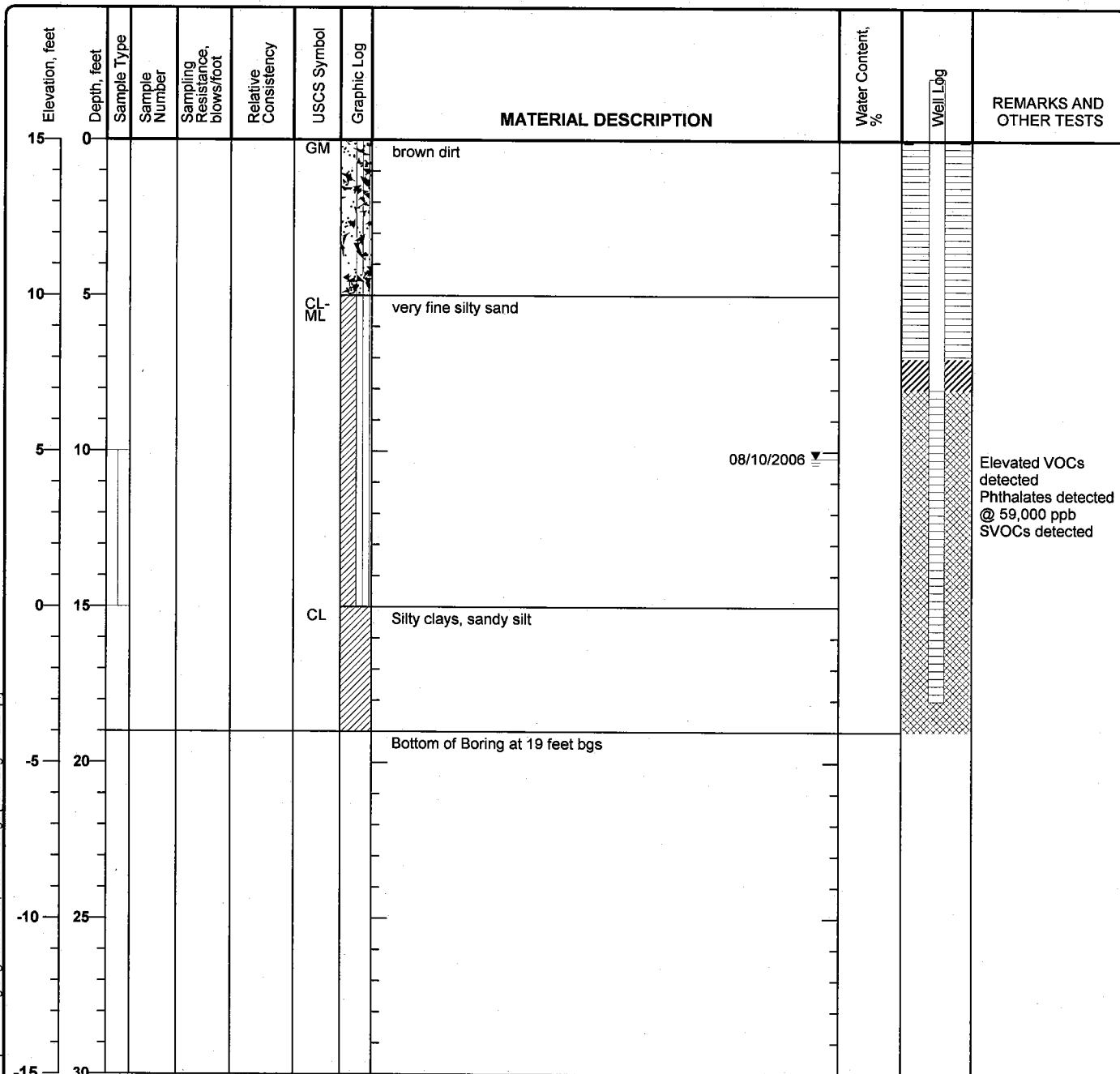
Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level <b>9.46 feet measured on and Date Measured 08/10/2006</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk along the north side of the property, along Clay Street</b>	



**Project: Dupont****Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222****Project Number:****Log of Boring MW-9**

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level and Date Measured <b>10.22 feet measured on 08/10/2006</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk along the north east side of the property, along Clay Street</b>	



Figure

**Project: Dupont**

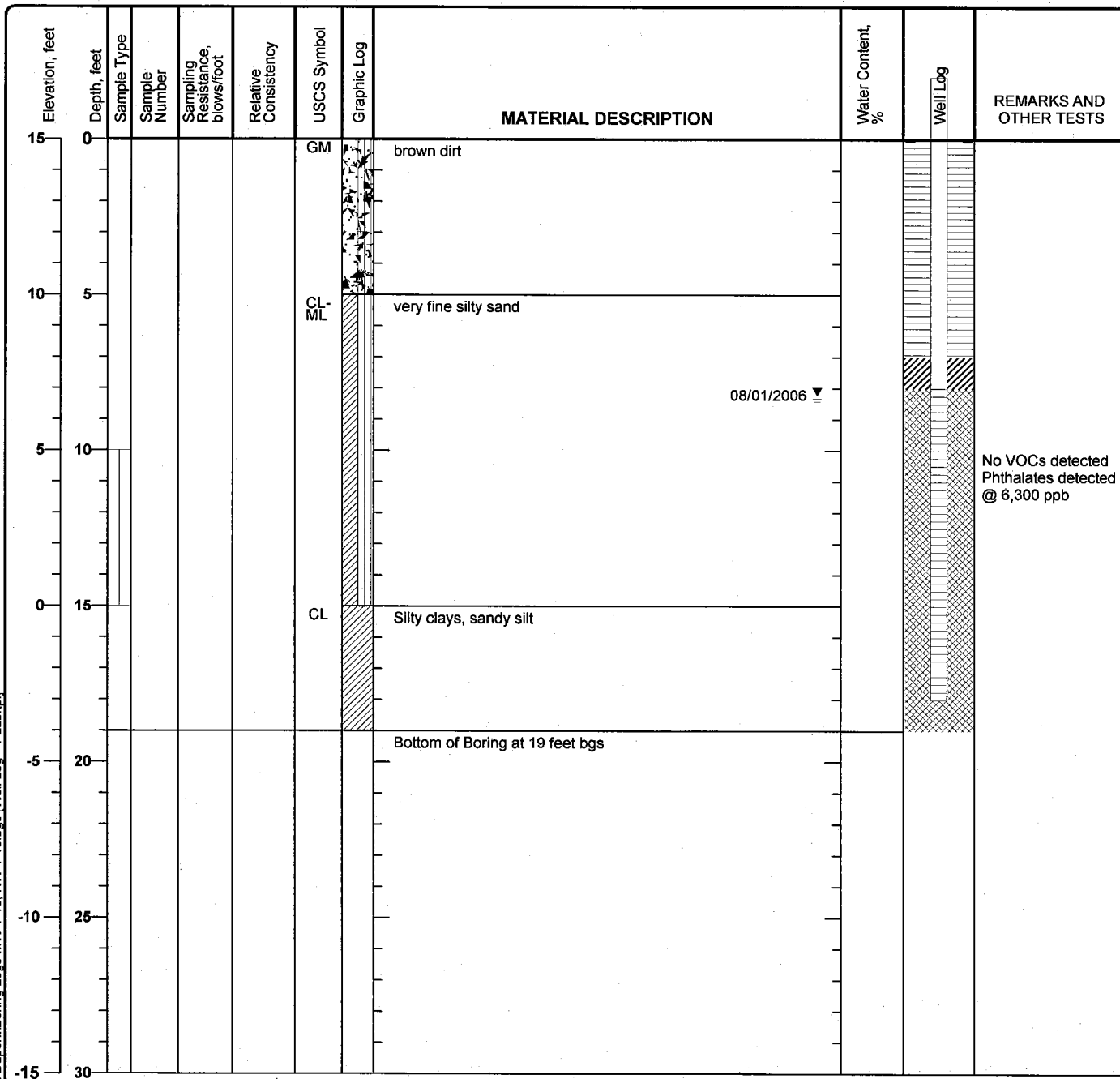
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

# Log of Boring MW-10

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level and Date Measured <b>8.22 feet measured on 08/01/2006</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk along the north east side of the property, along Clay Street</b>	



Figure

**Project: Dupont**

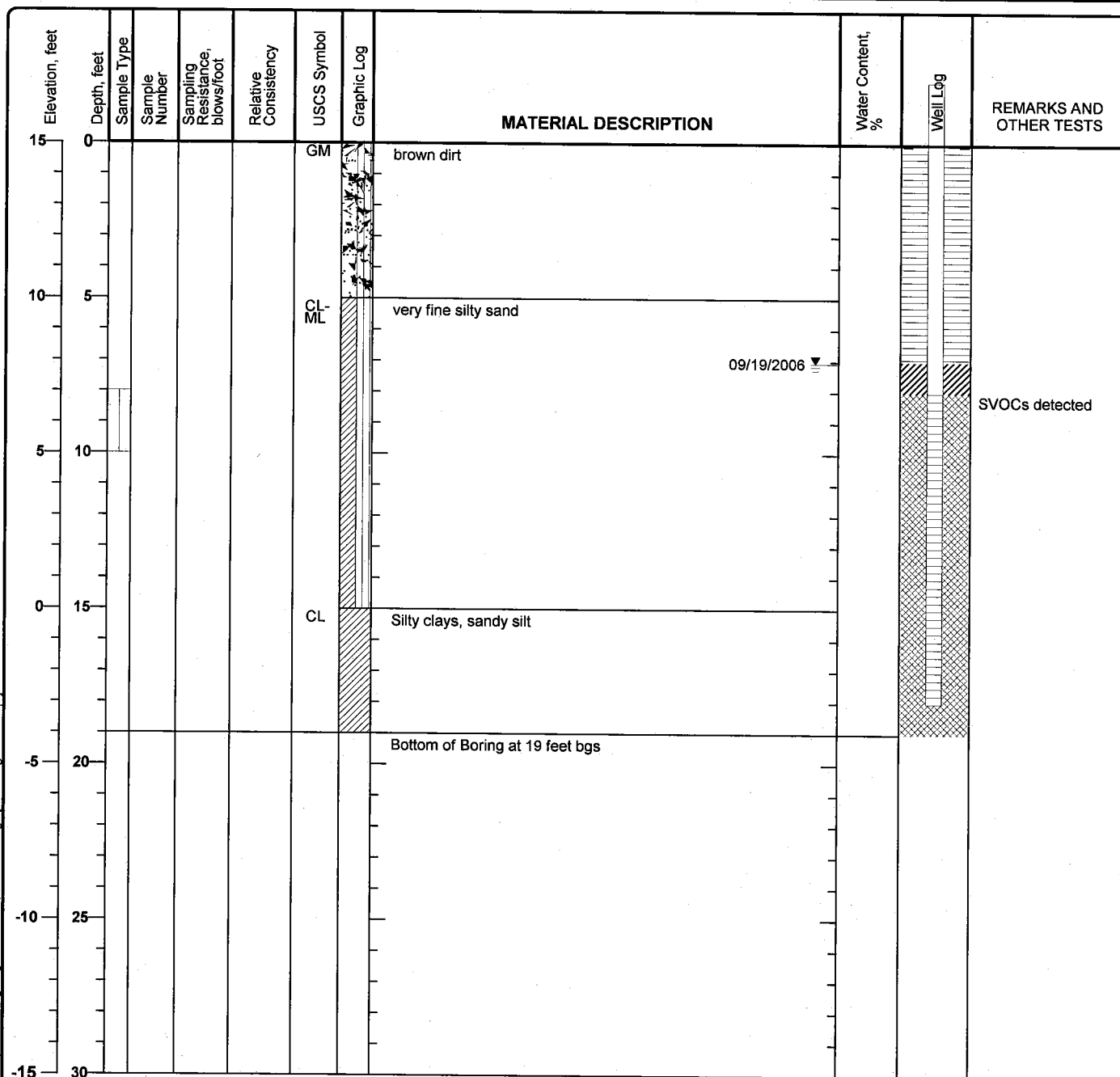
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring MW-11

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level <b>7.07 feet measured on and Date Measured 09/19/2006</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk across Commercial Street to the north west of the property</b>	



Figure

**Project: Dupont**

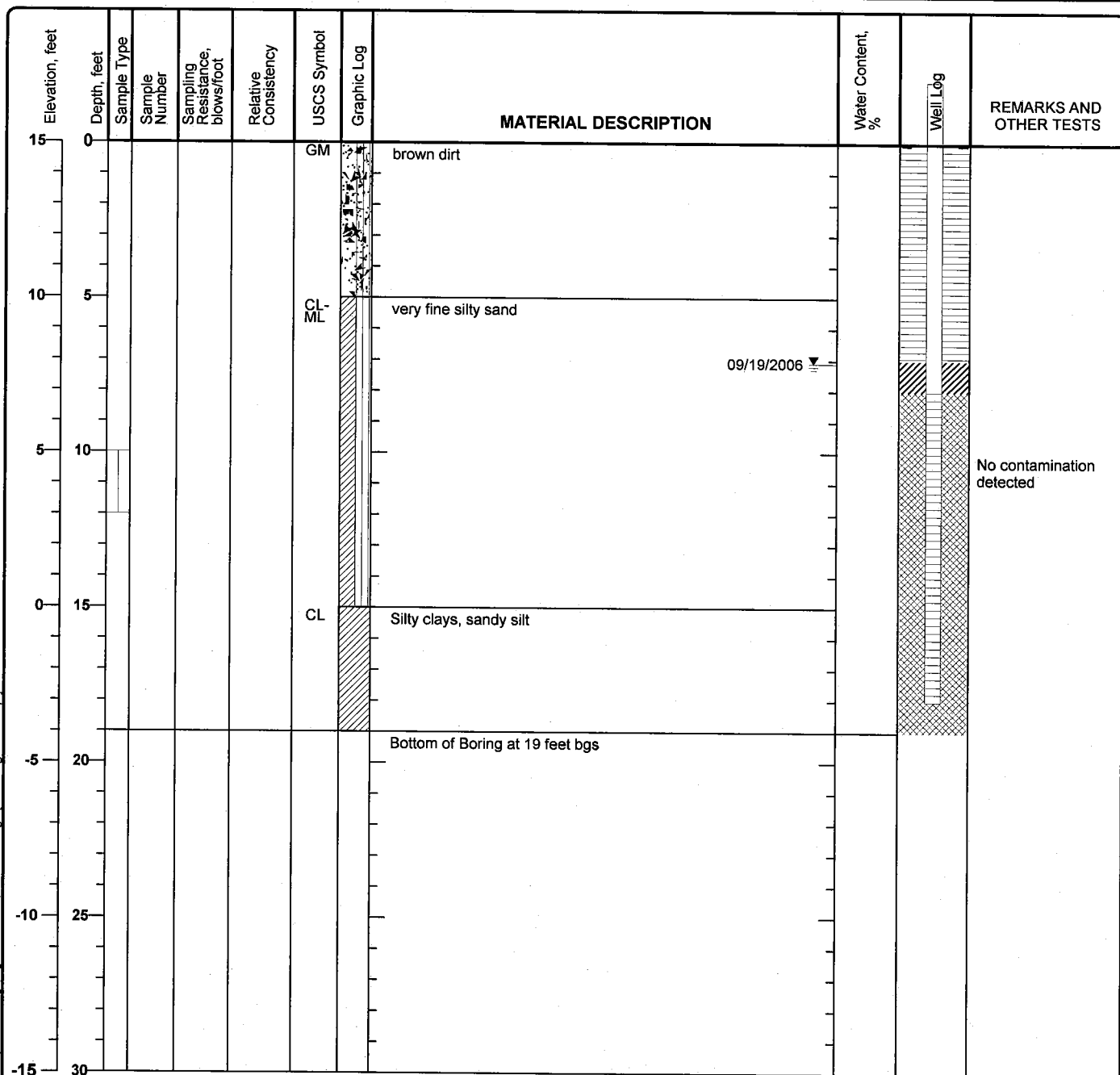
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

# Log of Boring MW-12

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level <b>7.1 feet measured on and Date Measured 09/19/2006</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk across Commercial Street to the north west of the property</b>	



Figure

**Project: Dupont**

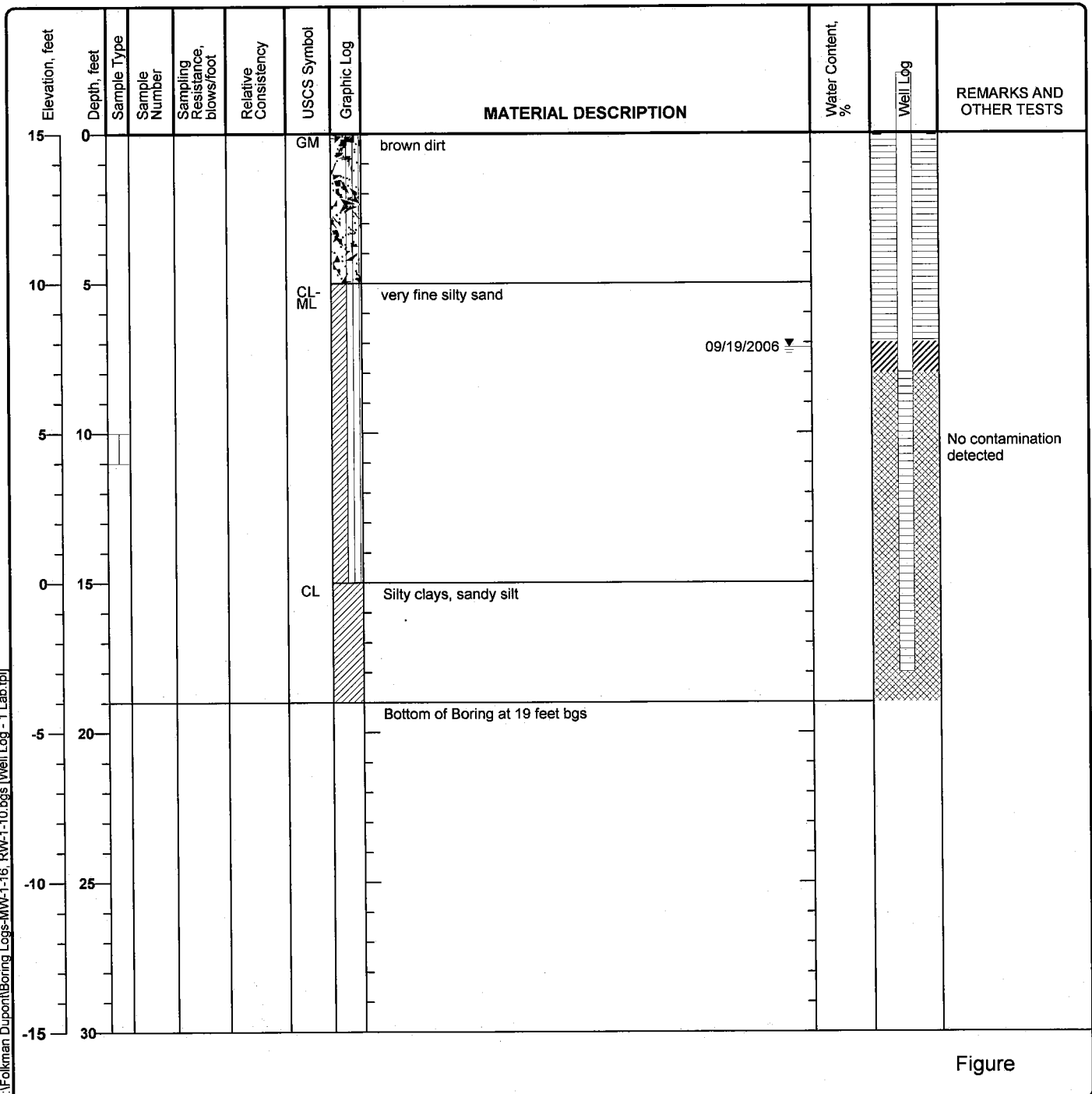
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

# Log of Boring MW-13

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level <b>7.16 feet measured on and Date Measured 09/19/2006</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk across Commercial Street to the north west of the property</b>	

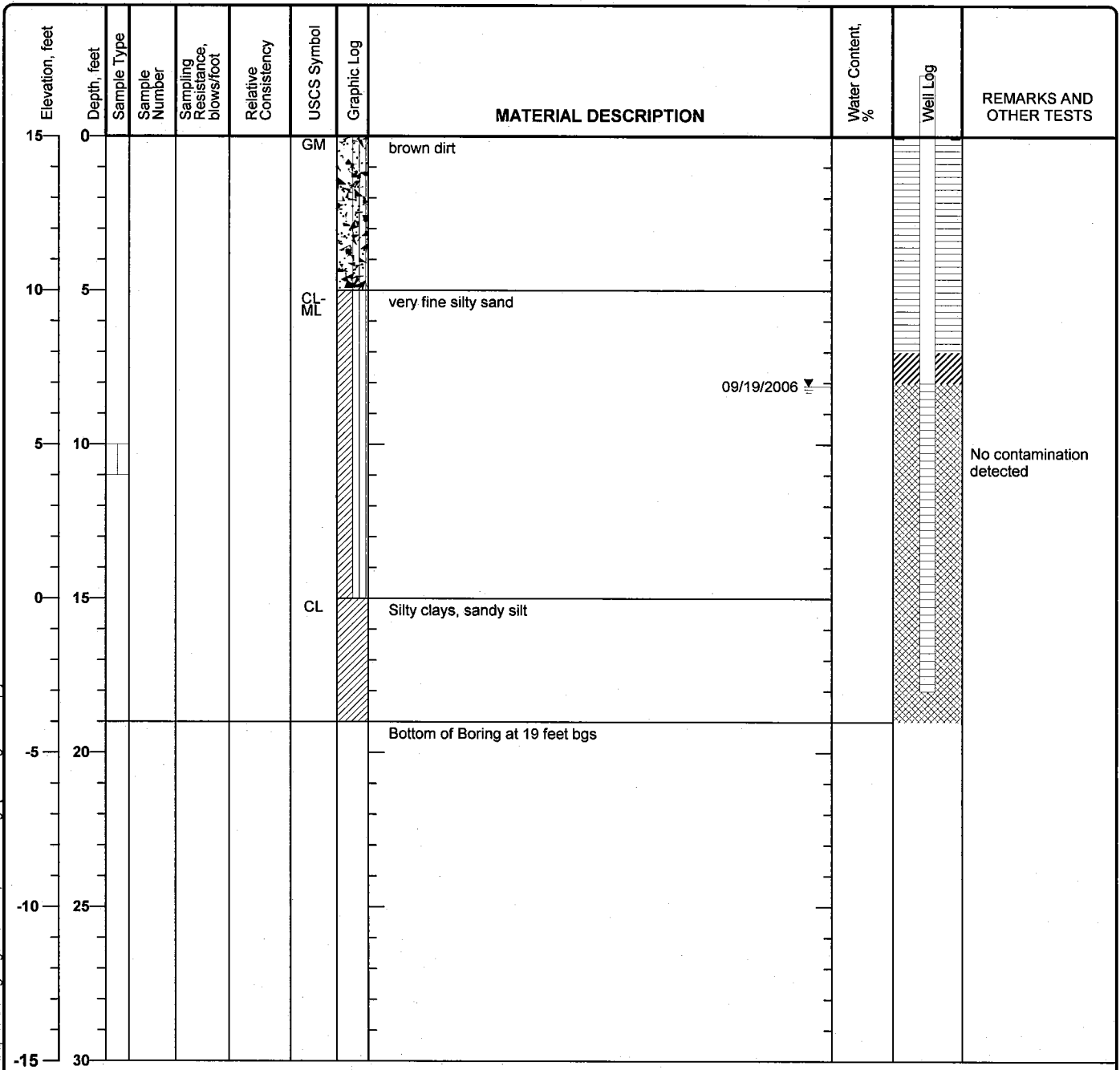


**Project: Dupont**  
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**  
**Project Number:**

## Log of Boring MW-14

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level <b>8.11 feet measured on and Date Measured 09/19/2006</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk across Franklin Street to the west of the property</b>	



Figure



**Project: Dupont**

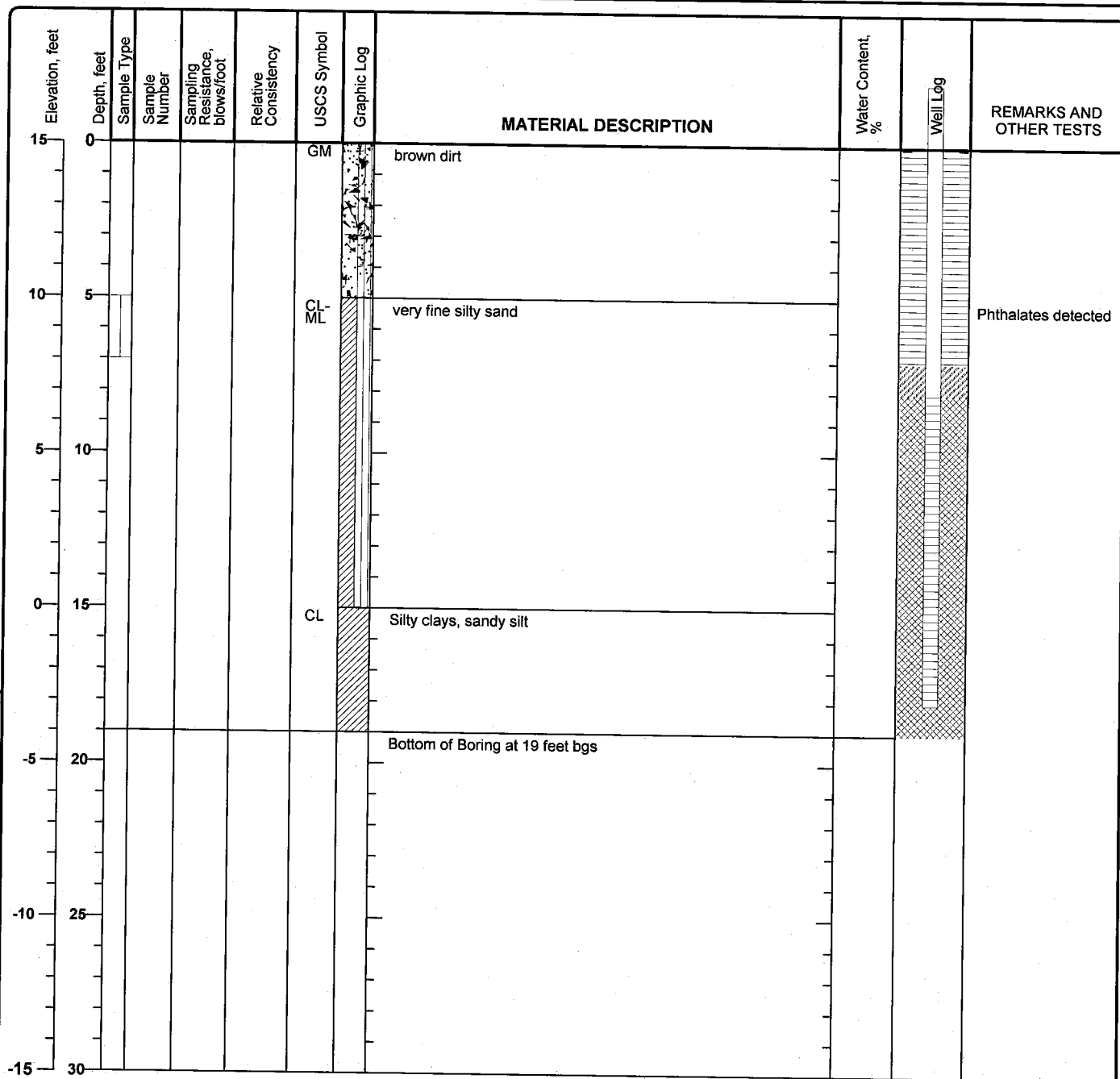
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring MW-15

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level and Date Measured <b>Not Measured</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk, along the Dupont Street, along the south west section of the site</b>	

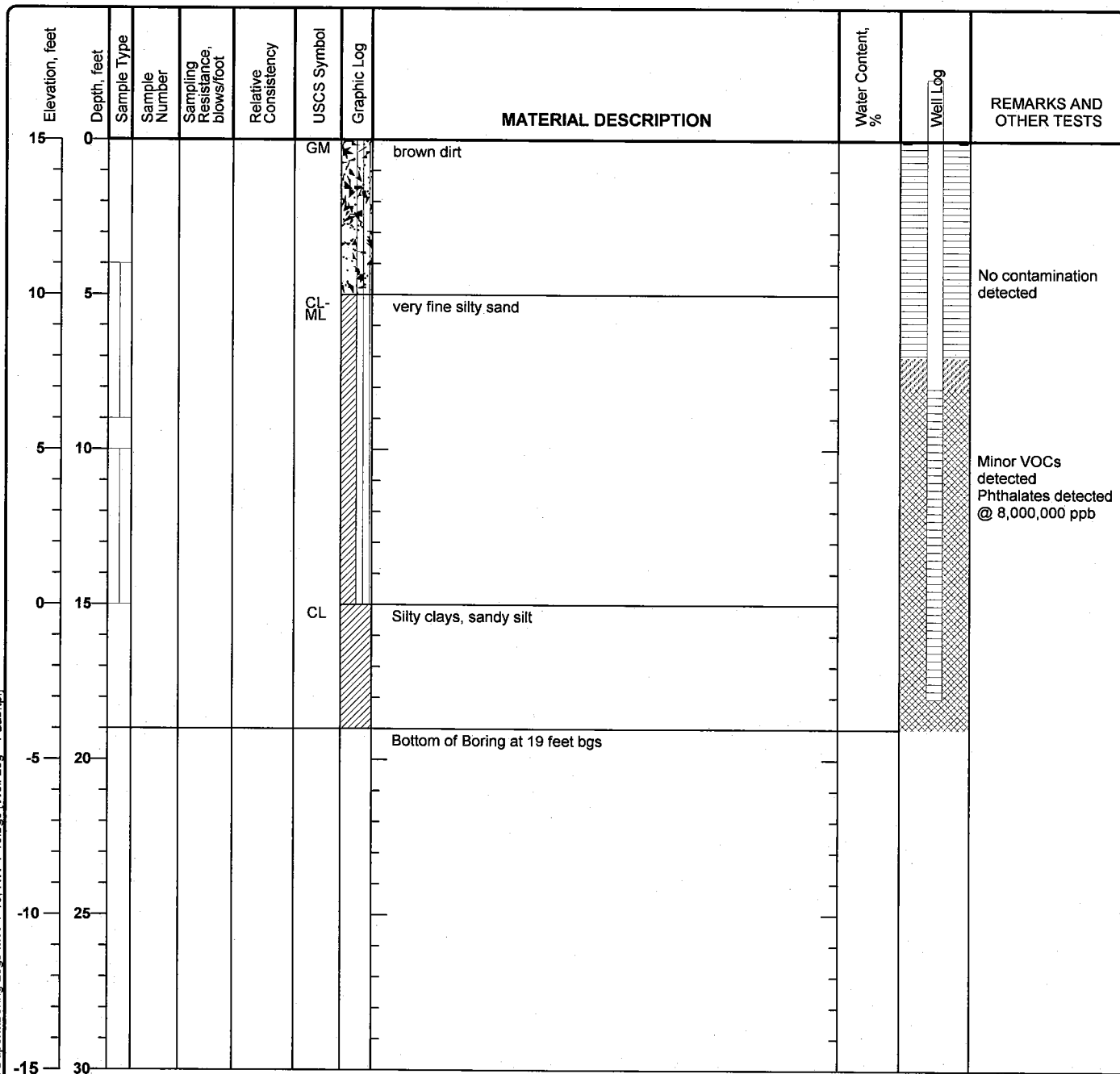


Figure

**Project: Dupont****Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222****Project Number:****Log of Boring MW-16**

Sheet 1 of 1

Date(s) Drilled <b>May 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>3 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Fenley &amp; Nicol</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level and Date Measured <b>Not Measured</b>	Sampling Method(s) <b>Grab</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Sidewalk, along the Dupont Street, along the south west section of the site</b>	



Figure

**Project: Dupont**

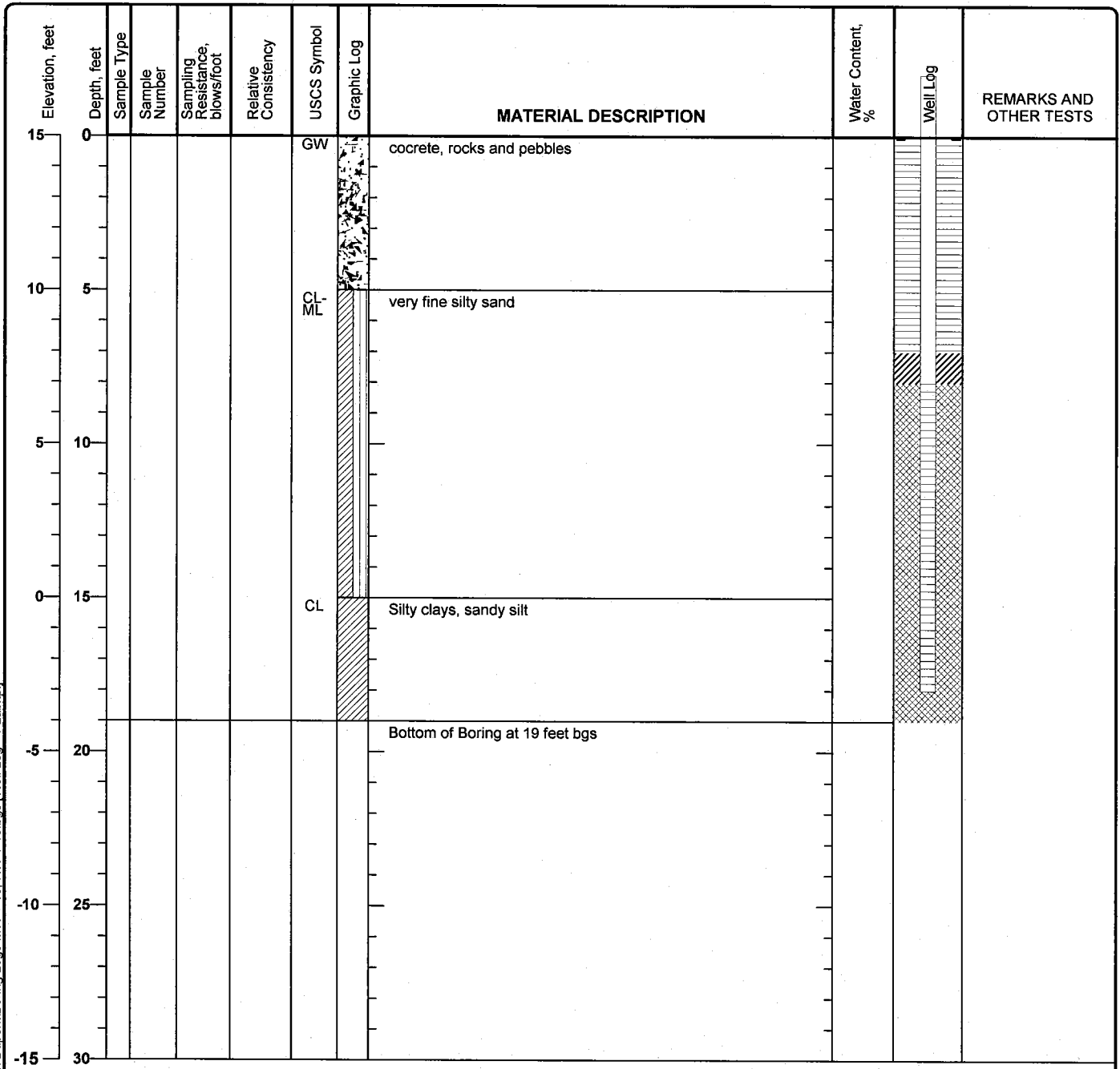
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring RW-1

Sheet 1 of 1

Date(s) Drilled	October 2006	Logged By	Anthony Adesso	Checked By	Steve Muller
Drilling Method	Truck Mounted	Drill Bit Size/Type	6 5/8 inch	Total Depth of Borehole	19 feet bgs
Drill Rig Type	geo probe	Drilling Contractor	Aggressive Environmental Inc.	Approximate Surface Elevation	15 feet
Groundwater Level and Date Measured	Not Measured	Sampling Method(s)	None	Hammer Data	
Borehole Backfill	Multiple Backfill Materials	Location	Northwest corner of the subject site		

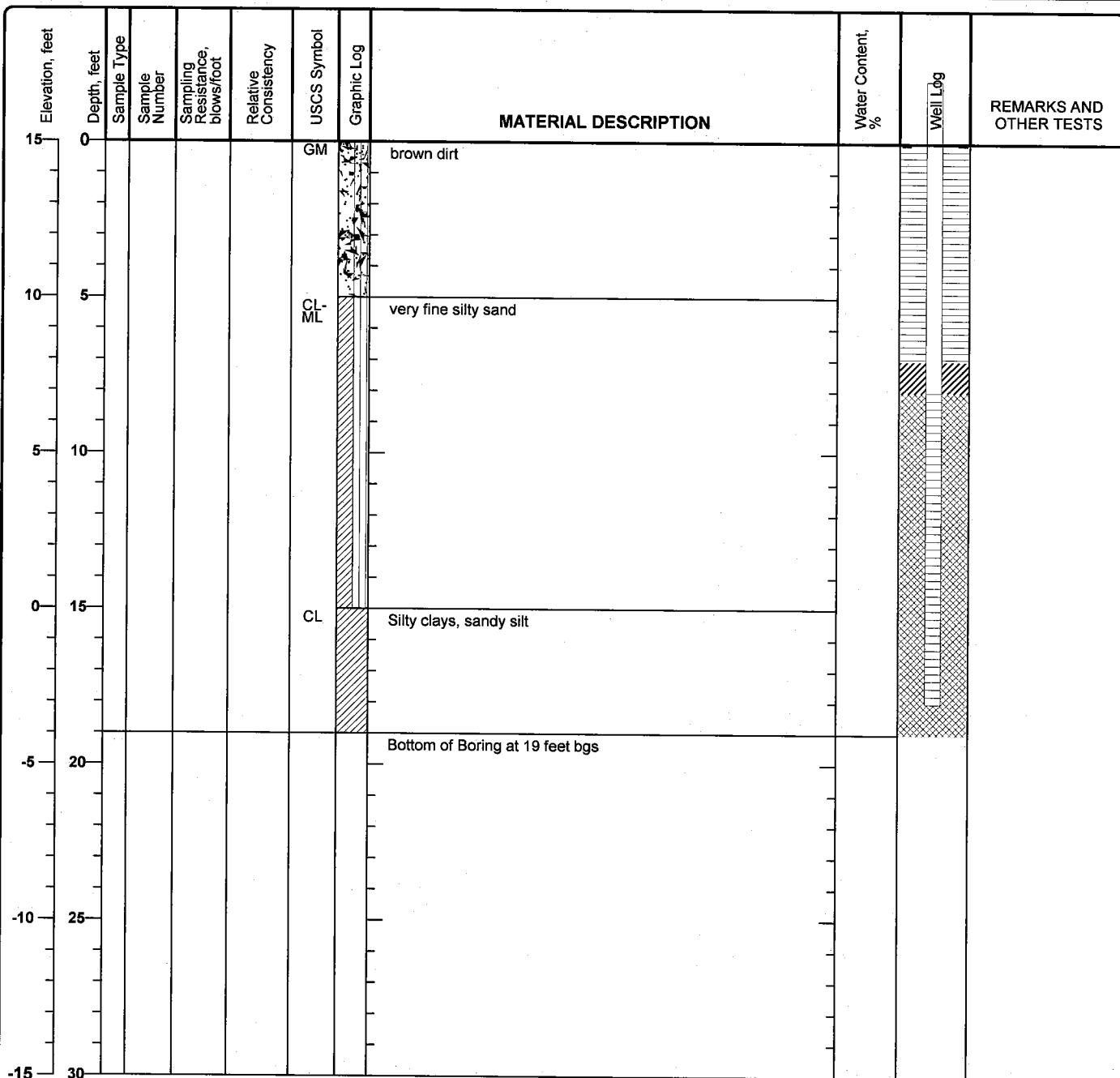


Figure

**Project: Dupont**  
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**  
**Project Number:**

**Log of Boring RW-2**  
 Sheet 1 of 1

Date(s) Drilled <b>October 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Truck Mounted</b>	Drill Bit Size/Type <b>6 5/8 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Aggressive Environmental Inc.</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level and Date Measured <b>Not Measured</b>	Sampling Method(s) <b>None</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>Far west side of the site, in the center</b>	



Figure

**Project: Dupont**

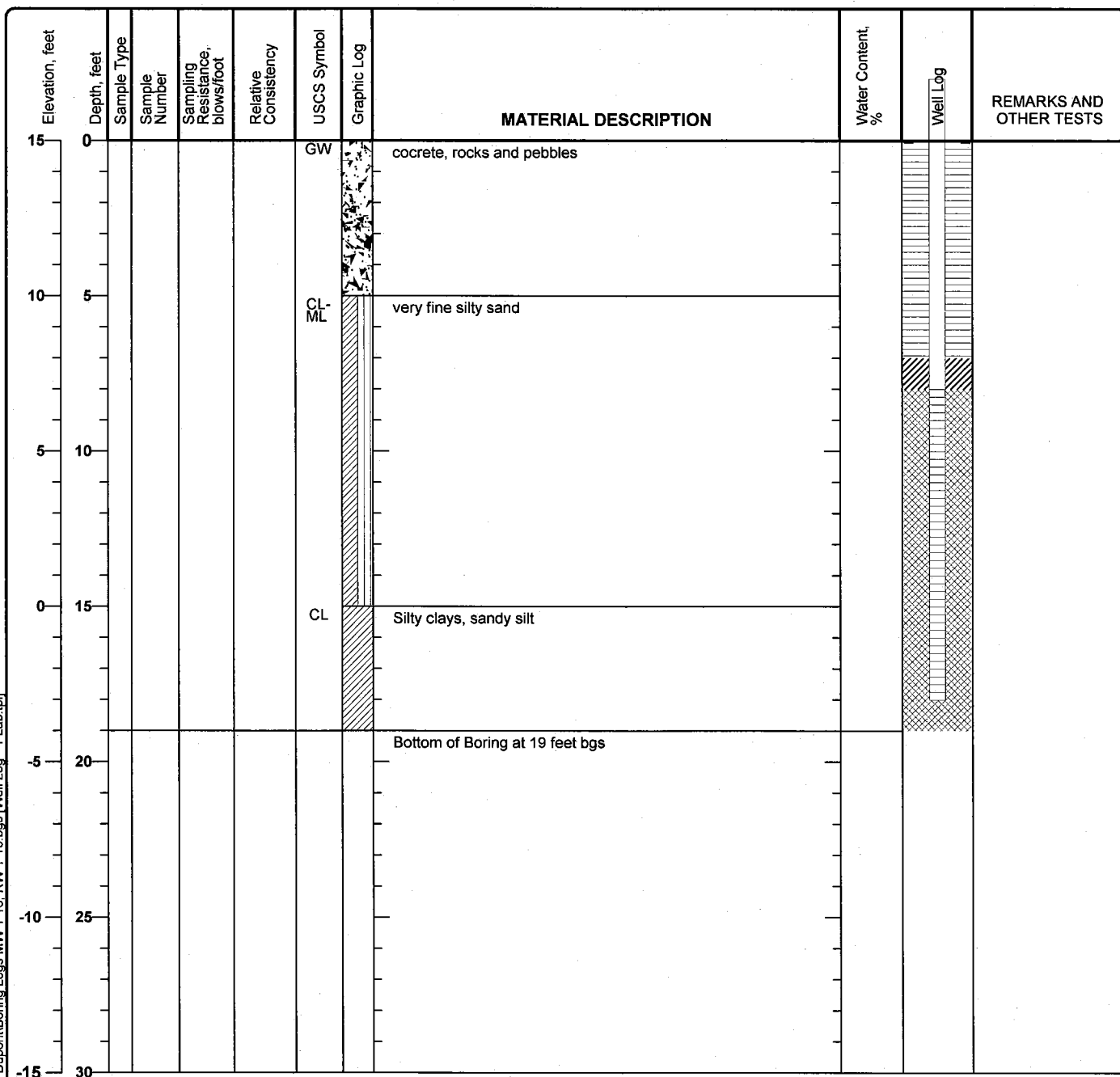
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring RW-3

Sheet 1 of 1

Date(s) Drilled	October 2006	Logged By	Anthony Adesso	Checked By	Steve Muller
Drilling Method	Truck Mounted	Drill Bit Size/Type	6 5/8 inch	Total Depth of Borehole	19 feet bgs
Drill Rig Type	geo probe	Drilling Contractor	Aggressive Environmental Inc.	Approximate Surface Elevation	15 feet
Groundwater Level and Date Measured	Not Measured	Sampling Method(s)	None	Hammer Data	
Borehole Backfill	Multiple Backfill Materials	Location	South west section of the site		



Figure

**Project: Dupont**

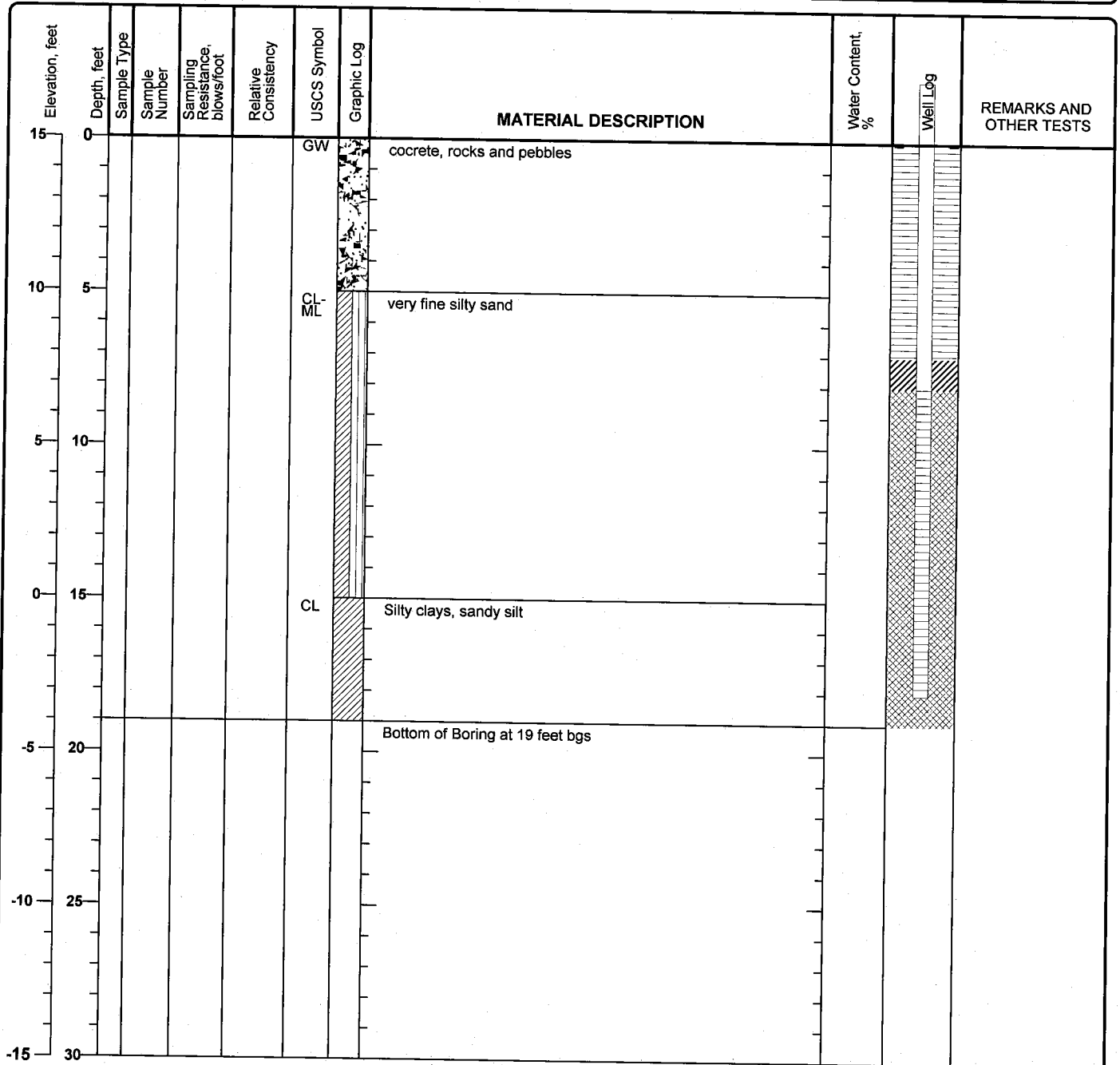
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring RW-4

Sheet 1 of 1

Date(s) Drilled <b>October 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Truck Mounted</b>	Drill Bit Size/Type <b>6 5/8 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Aggressive Environmental Inc.</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level and Date Measured <b>Not Measured</b>	Sampling Method(s) <b>None</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location	

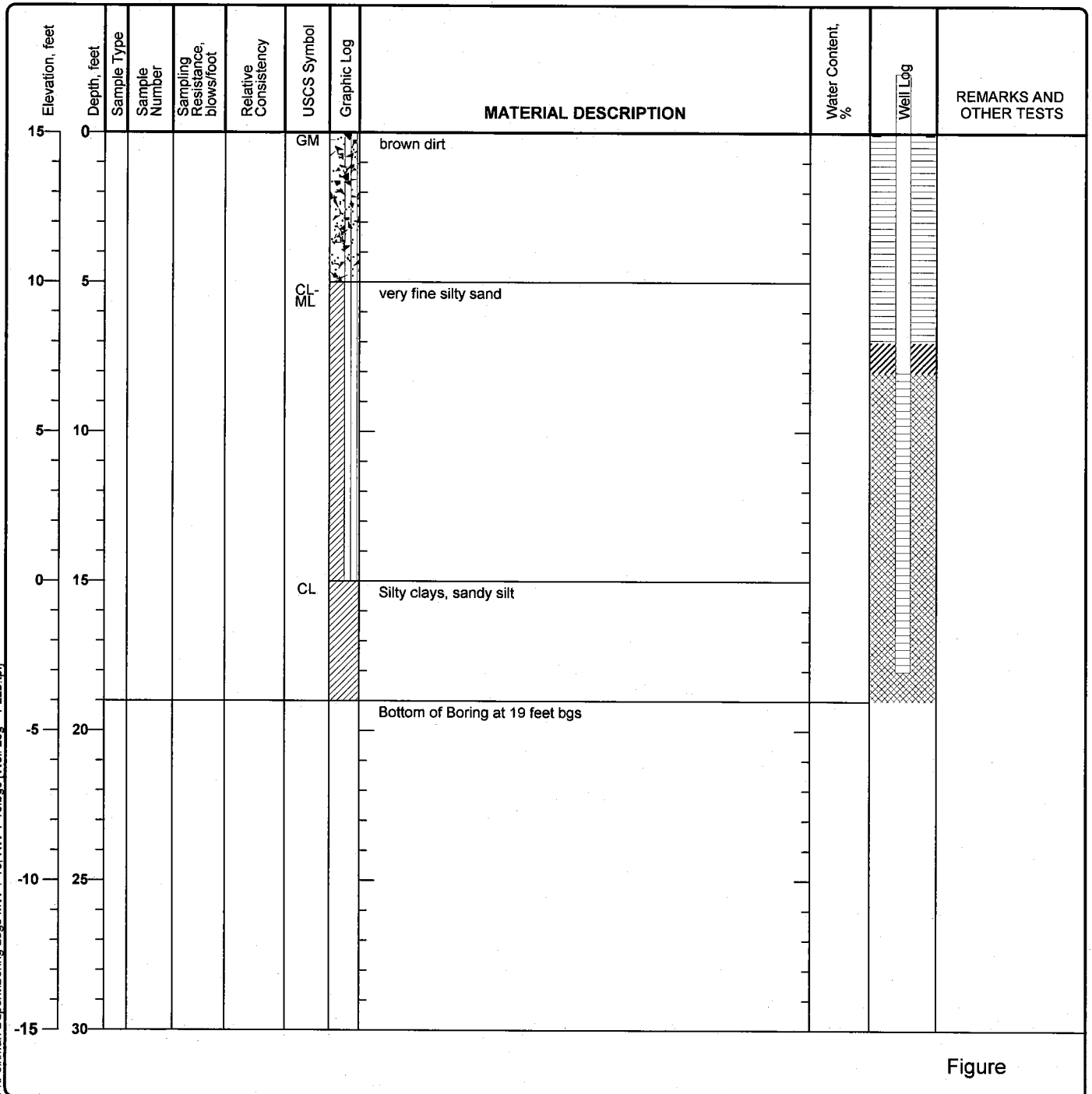


Figure

**Project: Dupont****Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222****Project Number:****Log of Boring RW-5**

Sheet 1 of 1

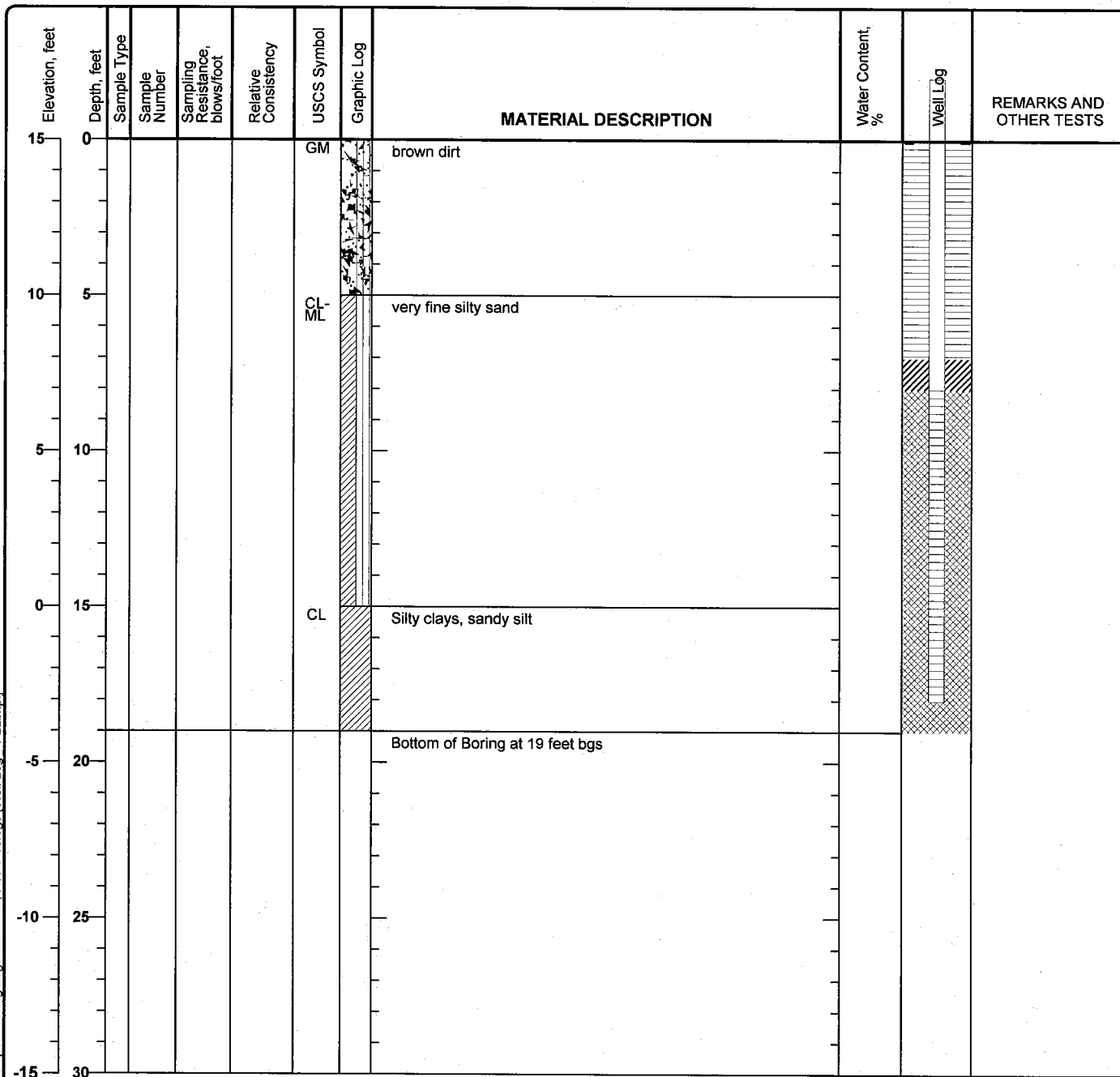
Date(s) Drilled	December 2006	Logged By	Anthony Adesso	Checked By	Steve Muller
Drilling Method	Direct Push	Drill Bit Size/Type	6 5/8 inch	Total Depth of Borehole	19 feet bgs
Drill Rig Type	geo probe	Drilling Contractor	Longshore Environmental	Approximate Surface Elevation	15 feet
Groundwater Level and Date Measured	Not Measured	Sampling Method(s)	None	Hammer Data	
Borehole Backfill	Multiple Backfill Materials	Location	North west section of the subject site		



**Project: Dupont****Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222****Project Number:****Log of Boring RW-6**

Sheet 1 of 1

Date(s) Drilled	December 2006	Logged By	Anthony Adesso	Checked By	Steve Muller
Drilling Method	Direct Push	Drill Bit Size/Type	6 5/8 inch	Total Depth of Borehole	19 feet bgs
Drill Rig Type	geo probe	Drilling Contractor	Longshore Environmental	Approximate Surface Elevation	15 feet
Groundwater Level and Date Measured	Not Measured	Sampling Method(s)	None	Hammer Data	
Borehole Backfill	Multiple Backfill Materials	Location	North west section of the subject site		



Figure



**Project: Dupont**

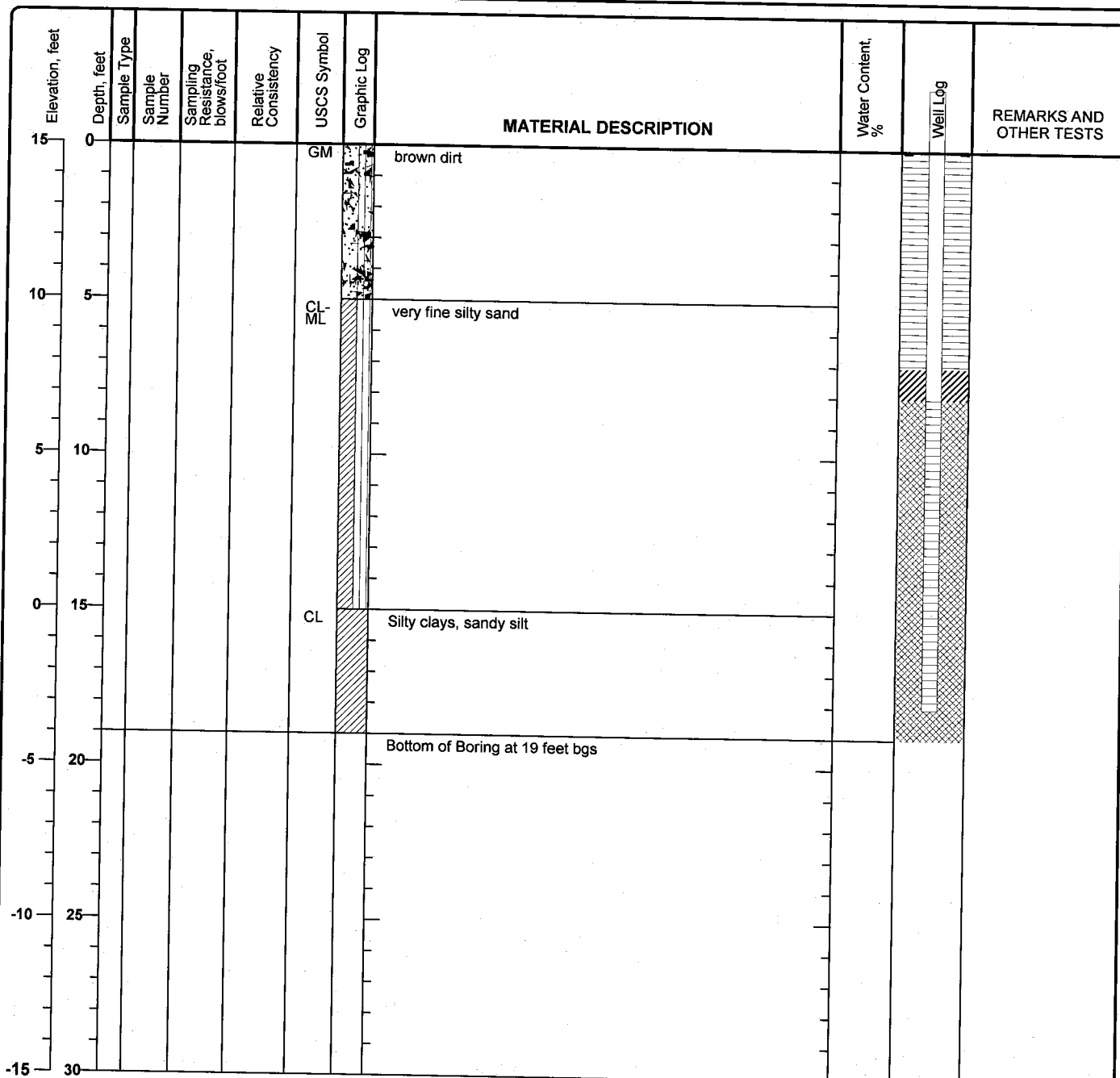
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring RW-7

Sheet 1 of 1

Date(s) Drilled <b>December 2006</b>	Logged By <b>Anthony Adesso</b>	Checked By <b>Steve Muller</b>
Drilling Method <b>Direct Push</b>	Drill Bit Size/Type <b>6 5/8 inch</b>	Total Depth of Borehole <b>19 feet bgs</b>
Drill Rig Type <b>geo probe</b>	Drilling Contractor <b>Longshore Environmental</b>	Approximate Surface Elevation <b>15 feet</b>
Groundwater Level and Date Measured <b>Not Measured</b>	Sampling Method(s) <b>None</b>	Hammer Data
Borehole Backfill <b>Multiple Backfill Materials</b>	Location <b>North east section of the subject site, around Acetone, Fuel Oil Tanks</b>	



Figure

**Project: Dupont**

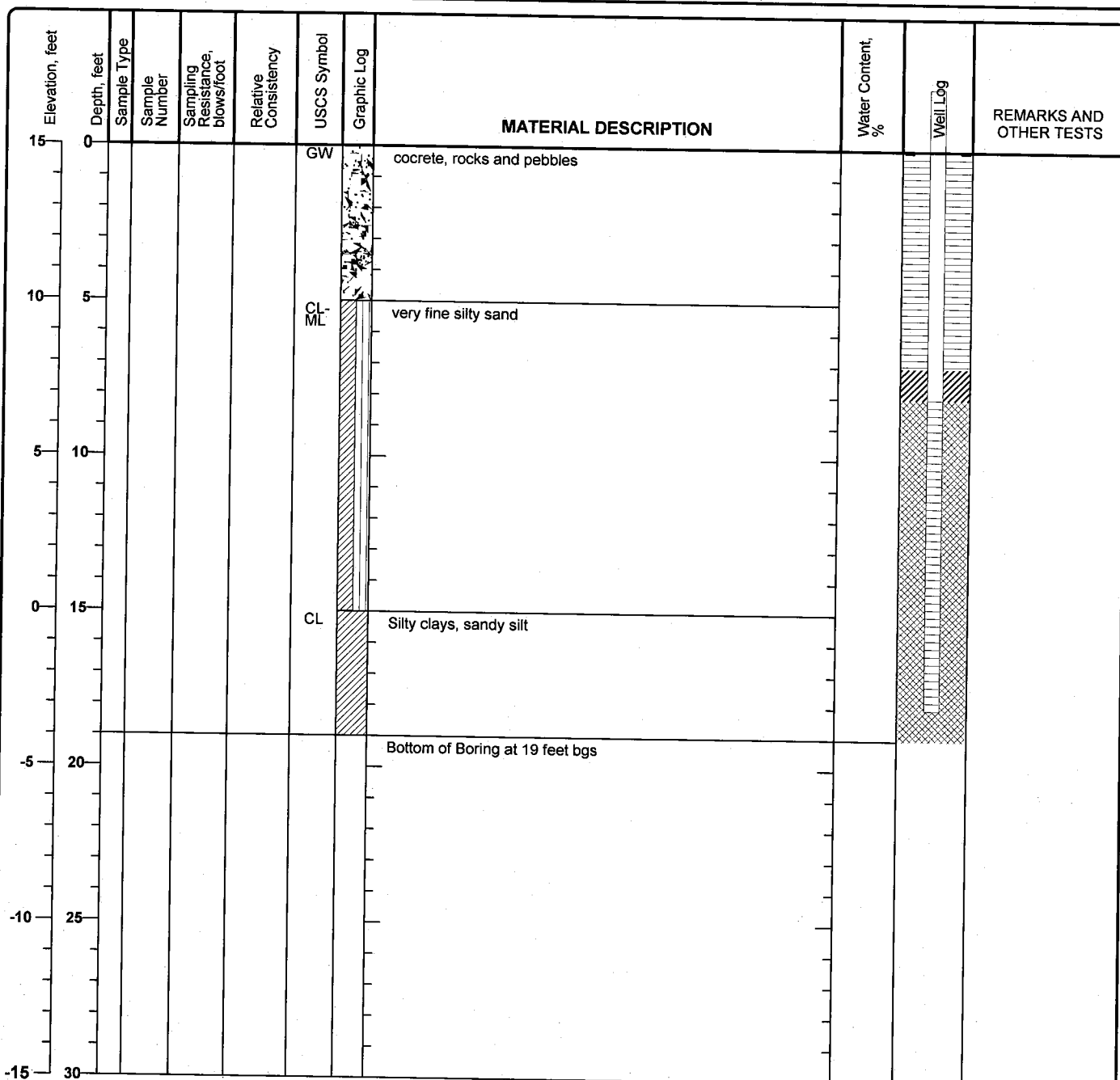
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

# Log of Boring RW-8

Sheet 1 of 1

Date(s) Drilled	December 2006	Logged By	Anthony Adesso	Checked By	Steve Muller
Drilling Method	Direct Push	Drill Bit Size/Type	6 5/8 inch	Total Depth of Borehole	19 feet bgs
Drill Rig Type	geo probe	Drilling Contractor	Longshore Environmental	Approximate Surface Elevation	15 feet
Groundwater Level and Date Measured	Not Measured	Sampling Method(s)	None	Hammer Data	
Borehole Backfill	Multiple Backfill Materials	Location	South west section of the site, to the west of Phthalate & Hecla Oil Tanks		



Figure

**Project: Dupont**

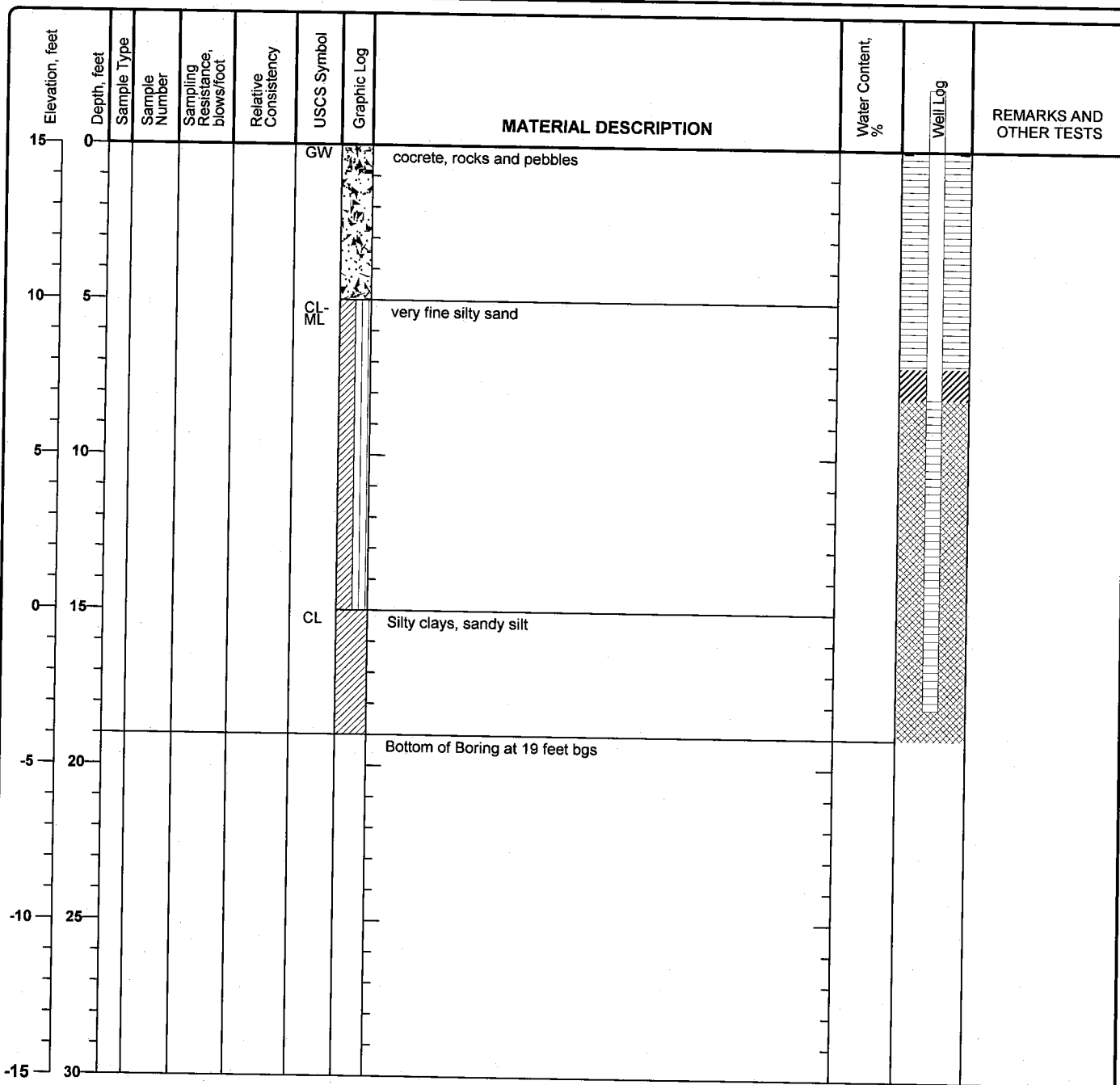
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring RW-9

Sheet 1 of 1

Date(s) Drilled	December 2006	Logged By	Anthony Adesso	Checked By	Steve Muller
Drilling Method	Direct Push	Drill Bit Size/Type	6 5/8 inch	Total Depth of Borehole	19 feet bgs
Drill Rig Type	geo probe	Drilling Contractor	Longshore Environmental	Approximate Surface Elevation	15 feet
Groundwater Level and Date Measured	Not Measured	Sampling Method(s)	None	Hammer Data	
Borehole Backfill	Multiple Backfill Materials	Location	South west section of the site, to the west of Phthalate & Hecla Oil Tanks		



Figure

**Project: Dupont**

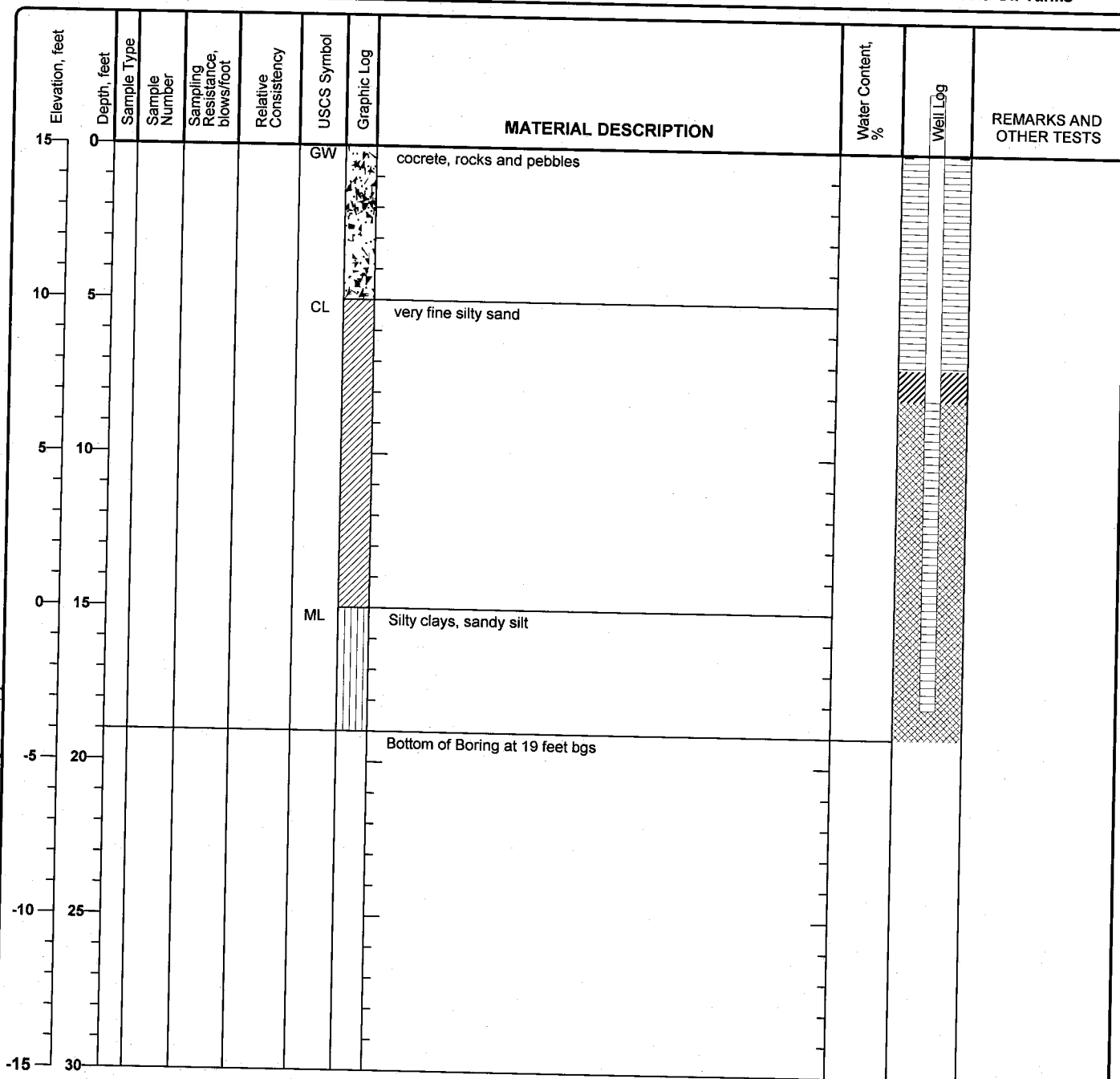
**Project Location: 49-55 Dupont Street, Brooklyn N.Y. 11222**

**Project Number:**

## Log of Boring RW-10

Sheet 1 of 1

Date(s) Drilled	December 2006	Logged By	Anthony Adesso	Checked By	Steve Muller
Drilling Method	Direct Push	Drill Bit Size/Type	6 5/8 inch	Total Depth of Borehole	19 feet bgs
Drill Rig Type	geo probe	Drilling Contractor	Longshore Environmental	Approximate Surface Elevation	15 feet
Groundwater Level and Date Measured	Not Measured	Sampling Method(s)	None	Hammer Data	
Borehole Backfill	Multiple Backfill Materials	Location	South west section of the site, to the west of Phthalate & Hecla Oil Tanks		



Figure

## **APPENDIX - D**

### **Laboratory Analytical Reports**

**YORK**  
**ANALYTICAL LABORATORIES, INC.**

# Technical Report

prepared for

**Advanced Site Restoration**  
**62 William St.**  
**New York, NY 10005**  
**Attention: Steve Muller**

Report Date: 5/10/2006  
***Re: Client Project ID: 49 Dupont***  
York Project No.: 06050130

CT License No. PH-0723

New York License No. 10854



Report Date: 5/10/2006  
Client Project ID: 49 Dupont  
York Project No.: 06050130

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 05/03/06. The project was identified as your project "49 Dupont".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			SB-1/5-10'		SB-2/10-12'	
York Sample ID			06050130-01		06050130-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	500
1,1,1-Trichloroethane			Not detected	10	Not detected	500
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	500
1,1,2-Trichloroethane			Not detected	10	Not detected	500
1,1-Dichloroethane			Not detected	10	Not detected	500
1,1-Dichloroethylene			Not detected	10	Not detected	500
1,1-Dichloropropylene			Not detected	10	Not detected	500
1,2,3-Trichlorobenzene			Not detected	10	Not detected	500
1,2,3-Trichloropropane			Not detected	10	Not detected	500
1,2,3-Trimethylbenzene			Not detected	10	Not detected	500
1,2,4-Trichlorobenzene			Not detected	10	Not detected	500
1,2,4-Trimethylbenzene			Not detected	10	1700	500
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	500
1,2-Dibromoethane			Not detected	10	Not detected	500
1,2-Dichlorobenzene			Not detected	10	Not detected	500
1,2-Dichloroethane			Not detected	10	Not detected	500

**YORK**

Client Sample ID			SB-1/5-10'		SB-2/10-12'	
York Sample ID			06050130-01		06050130-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	500
1,2-Dichloropropane			Not detected	10	Not detected	500
1,3,5-Trimethylbenzene			Not detected	10	Not detected	500
1,3-Dichlorobenzene			Not detected	10	Not detected	500
1,3-Dichloropropane			Not detected	10	Not detected	500
1,4-Dichlorobenzene			Not detected	10	Not detected	500
1-Chlorohexane			Not detected	10	Not detected	500
2,2-Dichloropropane			Not detected	10	Not detected	500
2-Chlorotoluene			Not detected	10	Not detected	500
4-Chlorotoluene			Not detected	10	Not detected	500
Benzene			Not detected	10	Not detected	500
Bromobenzene			Not detected	10	Not detected	500
Bromochloromethane			Not detected	10	Not detected	500
Bromodichloromethane			Not detected	10	Not detected	500
Bromoform			Not detected	10	Not detected	500
Bromomethane			Not detected	10	Not detected	500
Carbon tetrachloride			Not detected	10	Not detected	500
Chlorobenzene			Not detected	10	Not detected	500
Chloroethane			Not detected	10	Not detected	500
Chloroform			Not detected	10	Not detected	500
Chloromethane			Not detected	10	Not detected	500
cis-1,3-Dichloropropylene			Not detected	10	Not detected	500
Dibromochloromethane			Not detected	10	Not detected	500
Dibromomethane			Not detected	10	Not detected	500
Dichlorodifluoromethane			Not detected	10	Not detected	500
Ethylbenzene			Not detected	10	Not detected	500
Hexachlorobutadiene			Not detected	10	Not detected	500
Isopropylbenzene			Not detected	10	Not detected	500
Methylene chloride			Not detected	10	Not detected	500
MTBE			Not detected	10	Not detected	500
Naphthalene			Not detected	10	Not detected	500
n-Butylbenzene			Not detected	10	Not detected	500
n-Propylbenzene			Not detected	10	Not detected	500
o-Xylene			Not detected	10	Not detected	500
p- & m-Xylenes			Not detected	10	Not detected	500
p-Isopropyltoluene			Not detected	10	Not detected	500
sec-Butylbenzene			Not detected	10	Not detected	500
Styrene			Not detected	10	Not detected	500
tert-Butylbenzene			Not detected	10	Not detected	500
Tetrachloroethylene			Not detected	10	Not detected	500
Toluene			Not detected	10	Not detected	500
trans-1,3-Dichloropropylene			Not detected	10	Not detected	500
Trichloroethylene			Not detected	10	Not detected	500
Trichlorofluoromethane			Not detected	10	Not detected	500
Vinyl chloride			Not detected	10	Not detected	500
BNA-8270 List	SW846-8270C	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	330
1,2-Dichlorobenzene			Not detected	165	Not detected	330
1,3-Dichlorobenzene			Not detected	165	Not detected	330
1,4-Dichlorobenzene			Not detected	165	Not detected	330
2,4,5-Trichlorophenol			Not detected	165	Not detected	330

**YORK**



Client Sample ID			SB-1/5-10'		SB-2/10-12'	
York Sample ID			06050130-01		06050130-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2,4,6-Trichlorophenol			Not detected	165	Not detected	330
2,4-Dichlorophenol			Not detected	165	Not detected	330
2,4-Dimethylphenol			Not detected	165	Not detected	330
2,4-Dinitrophenol			Not detected	165	Not detected	330
2,4-Dinitrotoluene			Not detected	165	Not detected	330
2,6-Dinitrotoluene			Not detected	165	Not detected	330
2-Chloronaphthalene			Not detected	165	Not detected	330
2-Chlorophenol			Not detected	165	Not detected	330
2-Methylnaphthalene			Not detected	165	Not detected	330
2-Methylphenol			Not detected	165	Not detected	330
2-Nitroaniline			Not detected	165	Not detected	330
2-Nitrophenol			Not detected	165	Not detected	330
3,3'-Dichlorobenzidine			Not detected	165	Not detected	330
3-Methylphenol			Not detected	165	Not detected	330
3-Nitroaniline			Not detected	165	Not detected	330
4,6-Dinitro-2-methylphenol			Not detected	165	Not detected	330
4-Bromophenyl phenyl ether			Not detected	165	Not detected	330
4-Chloro-3-methyl phenol			Not detected	165	Not detected	330
4-Chloroaniline			Not detected	165	Not detected	330
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	330
4-Methylphenol			Not detected	165	Not detected	330
4-Nitroaniline			Not detected	165	Not detected	330
4-Nitrophenol			Not detected	165	Not detected	330
Acenaphthene			Not detected	165	Not detected	330
Acenaphthylene			Not detected	165	Not detected	330
Aniline			Not detected	165	Not detected	330
Anthracene			Not detected	165	Not detected	330
Benzidine			Not detected	165	Not detected	330
Benzo(a)anthracene			Not detected	165	Not detected	330
Benzo(a)pyrene			Not detected	165	Not detected	330
Benzo(b)fluoranthene			Not detected	165	Not detected	330
Benzo(g,h,i)perylene			Not detected	165	Not detected	330
Benzo(k)fluoranthene			Not detected	165	Not detected	330
Benzyl alcohol			Not detected	165	Not detected	330
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	330
Bis(2-chloroethyl)ether			Not detected	165	Not detected	330
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	330
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	330
Butyl benzyl phthalate			Not detected	165	Not detected	330
Chrysene			Not detected	165	Not detected	330
Dibenz(a,h)anthracene			Not detected	165	Not detected	330
Dibenzofuran			Not detected	165	Not detected	330
Diethylphthalate			Not detected	165	Not detected	330
Dimethylphthalate			Not detected	165	Not detected	330
Di-n-butylphthalate			Not detected	165	Not detected	330
Di-n-octylphthalate			Not detected	165	Not detected	330
Fluoranthene			Not detected	165	Not detected	330
Fluorene			Not detected	165	Not detected	330
Hexachlorobenzene			Not detected	165	Not detected	330
Hexachlorobutadiene			Not detected	165	Not detected	330
Hexachlorocyclopentadiene			Not detected	165	Not detected	330

**YORK**

Client Sample ID			SB-1/5-10'		SB-2/10-12'	
York Sample ID			06050130-01		06050130-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Hexachloroethane			Not detected	165	Not detected	330
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	330
Isophorone			Not detected	165	Not detected	330
Naphthalene			Not detected	165	Not detected	330
Nitrobenzene			Not detected	165	Not detected	330
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	330
N-Nitrosodiphenylamine			Not detected	165	Not detected	330
Pentachlorophenol			Not detected	165	Not detected	330
Phenanthrene			Not detected	165	Not detected	330
Phenol			Not detected	165	Not detected	330
Pyrene			Not detected	165	Not detected	330
Pyridine			Not detected	165	Not detected	330

Client Sample ID			SB-3/5-10'		SB-4/13-15'	
York Sample ID			06050130-03		06050130-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	130
1,1,1-Trichloroethane			Not detected	10	Not detected	130
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	130
1,1,2-Trichloroethane			Not detected	10	Not detected	130
1,1-Dichloroethane			Not detected	10	Not detected	130
1,1-Dichloroethylene			Not detected	10	Not detected	130
1,1-Dichloropropylene			Not detected	10	Not detected	130
1,2,3-Trichlorobenzene			Not detected	10	Not detected	130
1,2,3-Trichloropropane			Not detected	10	Not detected	130
1,2,3-Trimethylbenzene			Not detected	10	Not detected	130
1,2,4-Trichlorobenzene			Not detected	10	Not detected	130
1,2,4-Trimethylbenzene			Not detected	10	Not detected	130
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	130
1,2-Dibromoethane			Not detected	10	Not detected	130
1,2-Dichlorobenzene			Not detected	10	Not detected	130
1,2-Dichloroethane			Not detected	10	Not detected	130
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	130
1,2-Dichloropropane			Not detected	10	Not detected	130
1,3,5-Trimethylbenzene			Not detected	10	Not detected	130
1,3-Dichlorobenzene			Not detected	10	Not detected	130
1,3-Dichloropropane			Not detected	10	Not detected	130
1,4-Dichlorobenzene			Not detected	10	Not detected	130
1-Chlorohexane			Not detected	10	Not detected	130
2,2-Dichloropropane			Not detected	10	Not detected	130
2-Chlorotoluene			Not detected	10	Not detected	130
4-Chlorotoluene			Not detected	10	Not detected	130
Benzene			Not detected	10	Not detected	130
Bromobenzene			Not detected	10	Not detected	130
Bromochloromethane			Not detected	10	Not detected	130
Bromodichloromethane			Not detected	10	Not detected	130
Bromoform			Not detected	10	Not detected	130

**YORK**

Client Sample ID			SB-3/5-10'		SB-4/13-15'	
York Sample ID			06050130-03		06050130-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromomethane			Not detected	10	Not detected	130
Carbon tetrachloride			Not detected	10	Not detected	130
Chlorobenzene			Not detected	10	Not detected	130
Chloroethane			Not detected	10	Not detected	130
Chloroform			Not detected	10	Not detected	130
Chloromethane			Not detected	10	Not detected	130
cis-1,3-Dichloropropylene			Not detected	10	Not detected	130
Dibromochloromethane			Not detected	10	Not detected	130
Dibromomethane			Not detected	10	Not detected	130
Dichlorodifluoromethane			Not detected	10	Not detected	130
Ethylbenzene			Not detected	10	Not detected	130
Hexachlorobutadiene			Not detected	10	Not detected	130
Isopropylbenzene			Not detected	10	Not detected	130
Methylene chloride			Not detected	10	Not detected	130
MTBE			Not detected	10	Not detected	130
Naphthalene			Not detected	10	Not detected	130
n-Butylbenzene			Not detected	10	Not detected	130
n-Propylbenzene			Not detected	10	Not detected	130
o-Xylene			Not detected	10	Not detected	130
p- & m-Xylenes			Not detected	10	Not detected	130
p-Isopropyltoluene			Not detected	10	Not detected	130
sec-Butylbenzene			Not detected	10	Not detected	130
Styrene			Not detected	10	Not detected	130
tert-Butylbenzene			Not detected	10	Not detected	130
Tetrachloroethylene			Not detected	10	Not detected	130
Toluene			Not detected	10	Not detected	130
trans-1,3-Dichloropropylene			Not detected	10	Not detected	130
Trichloroethylene			Not detected	10	Not detected	130
Trichlorofluoromethane			Not detected	10	Not detected	130
Vinyl chloride			Not detected	10	Not detected	130
BNA-8270 List	SW846-8270C	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	17000
1,2-Dichlorobenzene			Not detected	165	Not detected	17000
1,3-Dichlorobenzene			Not detected	165	Not detected	17000
1,4-Dichlorobenzene			Not detected	165	Not detected	17000
2,4,5-Trichlorophenol			Not detected	165	Not detected	17000
2,4,6-Trichlorophenol			Not detected	165	Not detected	17000
2,4-Dichlorophenol			Not detected	165	Not detected	17000
2,4-Dimethylphenol			Not detected	165	Not detected	17000
2,4-Dinitrophenol			Not detected	165	Not detected	17000
2,4-Dinitrotoluene			Not detected	165	Not detected	17000
2,6-Dinitrotoluene			Not detected	165	Not detected	17000
2-Chloronaphthalene			Not detected	165	Not detected	17000
2-Chlorophenol			Not detected	165	Not detected	17000
2-Methylnaphthalene			Not detected	165	Not detected	17000
2-Methylphenol			Not detected	165	Not detected	17000
2-Nitroaniline			Not detected	165	Not detected	17000
2-Nitrophenol			Not detected	165	Not detected	17000
3,3'-Dichlorobenzidine			Not detected	165	Not detected	17000
3-Methylphenol			Not detected	165	Not detected	17000
3-Nitroaniline			Not detected	165	Not detected	17000

**YORK**

Client Sample ID			SB-3/5-10'		SB-4/13-15'	
York Sample ID			06050130-03		06050130-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
4,6-Dinitro-2-methylphenol			Not detected	165	Not detected	17000
4-Bromophenyl phenyl ether			Not detected	165	Not detected	17000
4-Chloro-3-methyl phenol			Not detected	165	Not detected	17000
4-Chloroaniline			Not detected	165	Not detected	17000
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	17000
4-Methylphenol			Not detected	165	Not detected	17000
4-Nitroaniline			Not detected	165	Not detected	17000
4-Nitrophenol			Not detected	165	Not detected	17000
Acenaphthene			Not detected	165	Not detected	17000
Acenaphthylene			Not detected	165	Not detected	17000
Aniline			Not detected	165	Not detected	17000
Anthracene			Not detected	165	Not detected	17000
Benzidine			Not detected	165	Not detected	17000
Benzo(a)anthracene			Not detected	165	Not detected	17000
Benzo(a)pyrene			Not detected	165	Not detected	17000
Benzo(b)fluoranthene			Not detected	165	Not detected	17000
Benzo(g,h,i)perylene			Not detected	165	Not detected	17000
Benzo(k)fluoranthene			Not detected	165	Not detected	17000
Benzyl alcohol			Not detected	165	Not detected	17000
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	17000
Bis(2-chloroethyl)ether			Not detected	165	Not detected	17000
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	17000
Bis(2-ethylhexyl)phthalate			190	165	140000	17000
Butyl benzyl phthalate			Not detected	165	Not detected	17000
Chrysene			Not detected	165	Not detected	17000
Dibenz(a,h)anthracene			Not detected	165	Not detected	17000
Dibenzofuran			Not detected	165	Not detected	17000
Diethylphthalate			Not detected	165	Not detected	17000
Dimethylphthalate			Not detected	165	Not detected	17000
Di-n-butylphthalate			Not detected	165	Not detected	17000
Di-n-octylphthalate			Not detected	165	200000	17000
Fluoranthene			Not detected	165	Not detected	17000
Fluorene			Not detected	165	Not detected	17000
Hexachlorobenzene			Not detected	165	Not detected	17000
Hexachlorobutadiene			Not detected	165	Not detected	17000
Hexachlorocyclopentadiene			Not detected	165	Not detected	17000
Hexachloroethane			Not detected	165	Not detected	17000
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	17000
Isophorone			Not detected	165	Not detected	17000
Naphthalene			Not detected	165	Not detected	17000
Nitrobenzene			Not detected	165	Not detected	17000
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	17000
N-Nitrosodiphenylamine			Not detected	165	Not detected	17000
Pentachlorophenol			Not detected	165	Not detected	17000
Phenanthrene			Not detected	165	Not detected	17000
Phenol			Not detected	165	Not detected	17000
Pyrene			Not detected	165	Not detected	17000
Pyridine			Not detected	165	Not detected	17000

**YORK**

Client Sample ID			SB-5/10-12'		SB-6/14-16'	
York Sample ID			06050130-05		06050130-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	25	Not detected	130
1,1,1-Trichloroethane			Not detected	25	Not detected	130
1,1,2,2-Tetrachloroethane			Not detected	25	Not detected	130
1,1,2-Trichloroethane			Not detected	25	Not detected	130
1,1-Dichloroethane			Not detected	25	Not detected	130
1,1-Dichloroethylene			Not detected	25	Not detected	130
1,1-Dichloropropylene			Not detected	25	Not detected	130
1,2,3-Trichlorobenzene			Not detected	25	Not detected	130
1,2,3-Trichloropropane			Not detected	25	Not detected	130
1,2,3-Trimethylbenzene			Not detected	25	Not detected	130
1,2,4-Trichlorobenzene			Not detected	25	Not detected	130
1,2,4-Trimethylbenzene			260	25	Not detected	130
1,2-Dibromo-3-chloropropane			Not detected	25	Not detected	130
1,2-Dibromoethane			Not detected	25	Not detected	130
1,2-Dichlorobenzene			Not detected	25	Not detected	130
1,2-Dichloroethane			Not detected	25	Not detected	130
1,2-Dichloroethylene (Total)			Not detected	25	Not detected	130
1,2-Dichloropropane			Not detected	25	Not detected	130
1,3,5-Trimethylbenzene			100	25	Not detected	130
1,3-Dichlorobenzene			Not detected	25	Not detected	130
1,3-Dichloropropane			Not detected	25	Not detected	130
1,4-Dichlorobenzene			Not detected	25	Not detected	130
1-Chlorohexane			Not detected	25	Not detected	130
2,2-Dichloropropane			Not detected	25	Not detected	130
2-Chlorotoluene			Not detected	25	Not detected	130
4-Chlorotoluene			Not detected	25	Not detected	130
Benzene			Not detected	25	Not detected	130
Bromobenzene			Not detected	25	Not detected	130
Bromochloromethane			Not detected	25	Not detected	130
Bromodichloromethane			Not detected	25	Not detected	130
Bromoform			Not detected	25	Not detected	130
Bromomethane			Not detected	25	Not detected	130
Carbon tetrachloride			Not detected	25	Not detected	130
Chlorobenzene			Not detected	25	Not detected	130
Chloroethane			Not detected	25	Not detected	130
Chloroform			Not detected	25	Not detected	130
Chloromethane			Not detected	25	Not detected	130
cis-1,3-Dichloropropylene			Not detected	25	Not detected	130
Dibromochloromethane			Not detected	25	Not detected	130
Dibromomethane			Not detected	25	Not detected	130
Dichlorodifluoromethane			Not detected	25	Not detected	130
Ethylbenzene			Not detected	25	Not detected	130
Hexachlorobutadiene			Not detected	25	Not detected	130
Isopropylbenzene			Not detected	25	Not detected	130
Methylene chloride			Not detected	25	Not detected	130
MTBE			Not detected	25	Not detected	130
Naphthalene			70	25	Not detected	130
n-Butylbenzene			56	25	Not detected	130
n-Propylbenzene			35	25	Not detected	130
o-Xylene			Not detected	25	Not detected	130

**YORK**

Client Sample ID			SB-5/10-12'		SB-6/14-16'	
York Sample ID			06050130-05		06050130-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
p- & m-Xylenes			45	25	Not detected	130
p-Isopropyltoluene			37	25	Not detected	130
sec-Butylbenzene			Not detected	25	Not detected	130
Styrene			Not detected	25	Not detected	130
tert-Butylbenzene			Not detected	25	Not detected	130
Tetrachloroethylene			Not detected	25	Not detected	130
Toluene			54	25	Not detected	130
trans-1,3-Dichloropropylene			Not detected	25	Not detected	130
Trichloroethylene			Not detected	25	Not detected	130
Trichlorofluoromethane			Not detected	25	Not detected	130
Vinyl chloride			Not detected	25	Not detected	130
BNA-8270 List	SW846-8270C	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	83000	Not detected	830000
1,2-Dichlorobenzene			Not detected	83000	Not detected	830000
1,3-Dichlorobenzene			Not detected	83000	Not detected	830000
1,4-Dichlorobenzene			Not detected	83000	Not detected	830000
2,4,5-Trichlorophenol			Not detected	83000	Not detected	830000
2,4,6-Trichlorophenol			Not detected	83000	Not detected	830000
2,4-Dichlorophenol			Not detected	83000	Not detected	830000
2,4-Dimethylphenol			Not detected	83000	Not detected	830000
2,4-Dinitrophenol			Not detected	83000	Not detected	830000
2,4-Dinitrotoluene			Not detected	83000	Not detected	830000
2,6-Dinitrotoluene			Not detected	83000	Not detected	830000
2-Chloronaphthalene			Not detected	83000	Not detected	830000
2-Chlorophenol			Not detected	83000	Not detected	830000
2-Methylnaphthalene			Not detected	83000	Not detected	830000
2-Methylphenol			Not detected	83000	Not detected	830000
2-Nitroaniline			Not detected	83000	Not detected	830000
2-Nitrophenol			Not detected	83000	Not detected	830000
3,3'-Dichlorobenzidine			Not detected	83000	Not detected	830000
3-Methylphenol			Not detected	83000	Not detected	830000
3-Nitroaniline			Not detected	83000	Not detected	830000
4,6-Dinitro-2-methylphenol			Not detected	83000	Not detected	830000
4-Bromophenyl phenyl ether			Not detected	83000	Not detected	830000
4-Chloro-3-methyl phenol			Not detected	83000	Not detected	830000
4-Chloroaniline			Not detected	83000	Not detected	830000
4-Chlorophenyl phenyl ether			Not detected	83000	Not detected	830000
4-Methylphenol			Not detected	83000	Not detected	830000
4-Nitroaniline			Not detected	83000	Not detected	830000
4-Nitrophenol			Not detected	83000	Not detected	830000
Acenaphthene			Not detected	83000	Not detected	830000
Acenaphthylene			Not detected	83000	Not detected	830000
Aniline			Not detected	83000	Not detected	830000
Anthracene			Not detected	83000	Not detected	830000
Benzidine			Not detected	83000	Not detected	830000
Benzo(a)anthracene			Not detected	83000	Not detected	830000
Benzo(a)pyrene			Not detected	83000	Not detected	830000
Benzo(b)fluoranthene			Not detected	83000	Not detected	830000
Benzo(g,h,i)perylene			Not detected	83000	Not detected	830000
Benzo(k)fluoranthene			Not detected	83000	Not detected	830000
Benzyl alcohol			Not detected	83000	Not detected	830000

**YORK**

Client Sample ID			SB-5/10-12'		SB-6/14-16'	
York Sample ID			06050130-05		06050130-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Bis(2-chloroethoxy)methane			Not detected	83000	Not detected	830000
Bis(2-chloroethyl)ether			Not detected	83000	Not detected	830000
Bis(2-chloroisopropyl)ether			Not detected	83000	Not detected	830000
Bis(2-ethylhexyl)phthalate			510000	83000	12000000	830000
Butyl benzyl phthalate			Not detected	83000	Not detected	830000
Chrysene			Not detected	83000	Not detected	830000
Dibenz(a,h)anthracene			Not detected	83000	Not detected	830000
Dibenzofuran			Not detected	83000	Not detected	830000
Diethylphthalate			Not detected	83000	Not detected	830000
Dimethylphthalate			Not detected	83000	Not detected	830000
Di-n-butylphthalate			Not detected	83000	Not detected	830000
Di-n-octylphthalate			Not detected	83000	Not detected	830000
Fluoranthene			Not detected	83000	Not detected	830000
Fluorene			Not detected	83000	Not detected	830000
Hexachlorobenzene			Not detected	83000	Not detected	830000
Hexachlorobutadiene			Not detected	83000	Not detected	830000
Hexachlorocyclopentadiene			Not detected	83000	Not detected	830000
Hexachloroethane			Not detected	83000	Not detected	830000
Indeno(1,2,3-cd)pyrene			Not detected	83000	Not detected	830000
Isophorone			Not detected	83000	Not detected	830000
Naphthalene			Not detected	83000	Not detected	830000
Nitrobenzene			Not detected	83000	Not detected	830000
N-Nitrosodi-n-propylamine			Not detected	83000	Not detected	830000
N-Nitrosodiphenylamine			Not detected	83000	Not detected	830000
Pentachlorophenol			Not detected	83000	Not detected	830000
Phenanthrene			Not detected	83000	Not detected	830000
Phenol			Not detected	83000	Not detected	830000
Pyrene			Not detected	83000	Not detected	830000
Pyridine			Not detected	83000	Not detected	830000

Client Sample ID			SB-7/11-13'	
York Sample ID			06050130-07	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	10
1,1,1-Trichloroethane			Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	10
1,1,2-Trichloroethane			Not detected	10
1,1-Dichloroethane			Not detected	10
1,1-Dichloroethylene			Not detected	10
1,1-Dichloropropylene			Not detected	10
1,2,3-Trichlorobenzene			Not detected	10
1,2,3-Trichloropropane			Not detected	10
1,2,3-Trimethylbenzene			Not detected	10
1,2,4-Trichlorobenzene			Not detected	10
1,2,4-Trimethylbenzene			Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	10
1,2-Dibromoethane			Not detected	10

**YORK**

Client Sample ID			SB-7/11-13'	
York Sample ID			06050130-07	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1,2-Dichlorobenzene			Not detected	10
1,2-Dichloroethane			Not detected	10
1,2-Dichloroethylene (Total)			Not detected	10
1,2-Dichloropropane			Not detected	10
1,3,5-Trimethylbenzene			Not detected	10
1,3-Dichlorobenzene			Not detected	10
1,3-Dichloropropane			Not detected	10
1,4-Dichlorobenzene			Not detected	10
1-Chlorohexane			Not detected	10
2,2-Dichloropropane			Not detected	10
2-Chlorotoluene			Not detected	10
4-Chlorotoluene			Not detected	10
Benzene			Not detected	10
Bromobenzene			Not detected	10
Bromochloromethane			Not detected	10
Bromodichloromethane			Not detected	10
Bromoform			Not detected	10
Bromomethane			Not detected	10
Carbon tetrachloride			Not detected	10
Chlorobenzene			Not detected	10
Chloroethane			Not detected	10
Chloroform			Not detected	10
Chloromethane			Not detected	10
cis-1,3-Dichloropropylene			Not detected	10
Dibromochloromethane			Not detected	10
Dibromomethane			Not detected	10
Dichlorodifluoromethane			Not detected	10
Ethylbenzene			Not detected	10
Hexachlorobutadiene			Not detected	10
Isopropylbenzene			Not detected	10
Methylene chloride			Not detected	10
MTBE			Not detected	10
Naphthalene			Not detected	10
n-Butylbenzene			Not detected	10
n-Propylbenzene			Not detected	10
o-Xylene			Not detected	10
p- & m-Xylenes			Not detected	10
p-Isopropyltoluene			Not detected	10
sec-Butylbenzene			Not detected	10
Styrene			Not detected	10
tert-Butylbenzene			Not detected	10
Tetrachloroethylene			Not detected	10
Toluene			Not detected	10
trans-1,3-Dichloropropylene			Not detected	10
Trichloroethylene			Not detected	10
Trichlorofluoromethane			Not detected	10
Vinyl chloride			Not detected	10
BNA-8270 List	SW846-8270C	ug/Kg	---	---
1,2,4-Trichlorobenzene			Not detected	330
1,2-Dichlorobenzene			Not detected	330
1,3-Dichlorobenzene			Not detected	330

**YORK**



Client Sample ID			SB-7/11-13'	
York Sample ID			06050130-07	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1,4-Dichlorobenzene			Not detected	330
2,4,5-Trichlorophenol			Not detected	330
2,4,6-Trichlorophenol			Not detected	330
2,4-Dichlorophenol			Not detected	330
2,4-Dimethylphenol			Not detected	330
2,4-Dinitrophenol			Not detected	330
2,4-Dinitrotoluene			Not detected	330
2,6-Dinitrotoluene			Not detected	330
2-Chloronaphthalene			Not detected	330
2-Chlorophenol			Not detected	330
2-Methylnaphthalene			Not detected	330
2-Methylphenol			Not detected	330
2-Nitroaniline			Not detected	330
2-Nitrophenol			Not detected	330
3,3'-Dichlorobenzidine			Not detected	330
3-Methylphenol			Not detected	330
3-Nitroaniline			Not detected	330
4,6-Dinitro-2-methylphenol			Not detected	330
4-Bromophenyl phenyl ether			Not detected	330
4-Chloro-3-methyl phenol			Not detected	330
4-Chloroaniline			Not detected	330
4-Chlorophenyl phenyl ether			Not detected	330
4-Methylphenol			Not detected	330
4-Nitroaniline			Not detected	330
4-Nitrophenol			Not detected	330
Acenaphthene			Not detected	330
Acenaphthylene			Not detected	330
Aniline			Not detected	330
Anthracene			Not detected	330
Benzidine			Not detected	330
Benzo(a)anthracene			Not detected	330
Benzo(a)pyrene			Not detected	330
Benzo(b)fluoranthene			Not detected	330
Benzo(g,h,i)perylene			Not detected	330
Benzo(k)fluoranthene			Not detected	330
Benzyl alcohol			Not detected	330
Bis(2-chloroethoxy)methane			Not detected	330
Bis(2-chloroethyl)ether			Not detected	330
Bis(2-chloroisopropyl)ether			Not detected	330
Bis(2-ethylhexyl)phthalate			6800	330
Butyl benzyl phthalate			Not detected	330
Chrysene			Not detected	330
Dibenz(a,h)anthracene			Not detected	330
Dibenzofuran			Not detected	330
Diethylphthalate			Not detected	330
Dimethylphthalate			Not detected	330
Di-n-butylphthalate			Not detected	330
Di-n-octylphthalate			Not detected	330
Fluoranthene			Not detected	330
Fluorene			Not detected	330
Hexachlorobenzene			Not detected	330

**YORK**

Client Sample ID			SB-7/11-13'	
York Sample ID			06050130-07	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Hexachlorobutadiene			Not detected	330
Hexachlorocyclopentadiene			Not detected	330
Hexachloroethane			Not detected	330
Indeno(1,2,3-cd)pyrene			Not detected	330
Isophorone			Not detected	330
Naphthalene			Not detected	330
Nitrobenzene			Not detected	330
N-Nitrosodi-n-propylamine			Not detected	330
N-Nitrosodiphenylamine			Not detected	330
Pentachlorophenol			Not detected	330
Phenanthrene			Not detected	330
Phenol			Not detected	330
Pyrene			Not detected	330
Pyridine			Not detected	330

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 06050130**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

Robert Q. Bradley  
Managing Director

Date: 5/10/2006


**YORK**

**ANALYTICAL LABORATORIES, INC.**

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record

Page 2 of     

Company Name Advanced Site Restoration 62 William St NY ny 10015	Report To: Steve M	Invoice To: ASH	Project ID/No: 49 Dupon	Samples Collected By (Signature)  Name (Printed) Anthony Accardo
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Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
SB-1	5-10'	5/2/05		X		8260/8270 full	1802 / 402
SB-2	10-12'	~~~~~		X		~~~~~	~~~~~
SB-3	5-10'			X			
SB-4	13-15'			X			
SB-5	10-12'			X			
SB-6	14-16'			X			
SB-7	11-13'			X			

## Chain-of-Custody Record

Chain-of-Custody Record		Turn-Around Time	
Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time
Bottles Received in Field by	Date/Time	Sample Received in LAB by	Date/Time
Comments/Special Instructions		Standard RUSH(define)	

# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 6/19/2006  
***Re: Client Project ID: 49 Dupont St., Bklyn***  
York Project No.: 06060385

CT License No. PH-0723

New York License No. 10854



Report Date: 6/19/2006  
Client Project ID: 49 Dupont St., Bklyn  
York Project No.: 06060385

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/12/06. The project was identified as your project "49 Dupont St., Bklyn."

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			SB-8		SB-9	
York Sample ID			06060385-01		06060385-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
Benzene			Not detected	10	Not detected	10
Ethylbenzene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methyl-tert-butyl ether (MTBE)			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m-Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10
sec-Butylbenzene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10
Total Xylenes			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-8		SB-9	
York Sample ID			06060385-01		06060385-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			280	165	170	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-10		SB-11	
York Sample ID			06060385-03		06060385-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles- STARS List</b>	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
Benzene			Not detected	10	Not detected	10
Ethylbenzene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methyl-tert-butyl ether (MTBE)			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m-Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10
sec-Butylbenzene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10
Total Xylenes			Not detected	10	Not detected	10
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	260	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-10		SB-11	
York Sample ID			06060385-03		06060385-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

Client Sample ID			SB-12		SB-13	
York Sample ID			06060385-05		06060385-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles- STARS List</b>	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
Benzene			Not detected	10	Not detected	10
Ethylbenzene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methyl-tert-butyl ether (MTBE)			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m-Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10
sec-Butylbenzene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10
Total Xylenes			Not detected	10	Not detected	10
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165

**YORK**



Client Sample ID			SB-12		SB-13	
York Sample ID			06060385-05		06060385-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	370	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

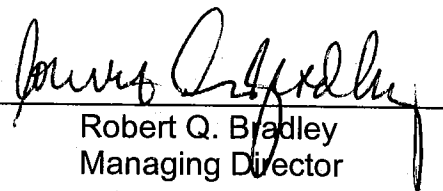
For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**YORK**

**Notes for York Project No. 06060385**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

  
Robert Q. Bradley  
Managing Director

Date: 6/19/2006

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Page 1 of 1

Company Name

ASR  
62 William St  
NY NY 10005

Report To:

Steve

Invoice To:

ASR

Project ID/No.

49 Dupont St  
Bklyn

Samples Collected By (Signature)

Anthony Arneso

Name (Printed)

Sample No.

Location/ID

Date Sampled

Sample Matrix

Water

Soil

Air

OTHER

ANALYSES REQUESTED

Container  
Description(s)

SB-8

8-9'

6-9-06

X

8260 stars 8270 BN

1802 / 402

SB-9

8-9'

X

SB-10

8'

X

SB-11

8'

X

SB-12

9-10'

X

SB-13

9-10'

X

### Chain-of-Custody Record

Bottles Relinquished from Lab by

Date/Time

Sample Relinquished by

Date/Time

Bottles Received in Field by

Date/Time

Sample Relinquished by

Date/Time

Comments/Special Instructions

Turn-Around Time

Standard

RUSH(define)

45°C

J 61200 1700

Sample Received by

Date/Time

Sample Received in LAB by

Date/Time

J 61200 1700

Date/Time

Sample Received in LAB by

Date/Time

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 6/29/2006  
*Re: Client Project ID: 49 Dupont St., Bklyn*  
York Project No.: 06060758

CT License No. PH-0723

New York License No. 10854



Report Date: 6/29/2006  
 Client Project ID: 49 Dupont St., Bklyn  
 York Project No.: 06060758

**Advanced Site Restoration**  
 62 William St.  
 New York, NY 10005  
 Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/22/06. The project was identified as your project "49 Dupont St., Bklyn."

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

### Analysis Results

Client Sample ID			11-12' SB-14		12' SB-44	
York Sample ID			06060758-01		06060758-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles- STARS List</b>	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			11000	500	73	50
1,3,5-Trimethylbenzene			2300	500	Not detected	50
Benzene			Not detected	500	Not detected	50
Ethylbenzene			860	500	Not detected	50
Isopropylbenzene			660	500	Not detected	50
Methyl-tert-butyl ether (MTBE)			Not detected	500	Not detected	50
Naphthalene			14000	500	170	50
n-Butylbenzene			2600	500	130	50
n-Propylbenzene			1400	500	58	50
o-Xylene			650	500	Not detected	50
p- & m-Xylenes			2300	500	62	50
p-Isopropyltoluene			990	500	Not detected	50
sec-Butylbenzene			870	500	Not detected	50
tert-Butylbenzene			Not detected	500	Not detected	50
Toluene			Not detected	500	Not detected	50
Total Xylenes			2950	500	62	50
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	4100	Not detected	830000

**YORK**

Client Sample ID			11-12' SB-14		12' SB-44	
York Sample ID			06060758-01		06060758-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichlorobenzene			Not detected	4100	Not detected	830000
1,3-Dichlorobenzene			Not detected	4100	Not detected	830000
1,4-Dichlorobenzene			Not detected	4100	Not detected	830000
2,4-Dinitrotoluene			Not detected	4100	Not detected	830000
2,6-Dinitrotoluene			Not detected	4100	Not detected	830000
2-Chloronaphthalene			Not detected	4100	Not detected	830000
2-Methylnaphthalene			21000	4100	Not detected	830000
2-Nitroaniline			Not detected	4100	Not detected	830000
3,3'-Dichlorobenzidine			Not detected	4100	Not detected	830000
3-Nitroaniline			Not detected	4100	Not detected	830000
4-Bromophenyl phenyl ether			Not detected	4100	Not detected	830000
4-Chloroaniline			Not detected	4100	Not detected	830000
4-Chlorophenyl phenyl ether			Not detected	4100	Not detected	830000
4-Nitroaniline			Not detected	4100	Not detected	830000
Acenaphthene			Not detected	4100	Not detected	830000
Acenaphthylene			Not detected	4100	Not detected	830000
Anthracene			Not detected	4100	Not detected	830000
Benzo(a)anthracene			Not detected	4100	Not detected	830000
Benzo(a)pyrene			Not detected	4100	Not detected	830000
Benzo(b)fluoranthene			Not detected	4100	Not detected	830000
Benzo(g,h,i)perylene			Not detected	4100	Not detected	830000
Benzo(k)fluoranthene			Not detected	4100	Not detected	830000
Bis(2-chloroethoxy)methane			Not detected	4100	Not detected	830000
Bis(2-chloroethyl)ether			Not detected	4100	Not detected	830000
Bis(2-chloroisopropyl)ether			Not detected	4100	Not detected	830000
Bis(2-ethylhexyl)phthalate			Not detected	4100	20000000	830000
Butyl benzyl phthalate			Not detected	4100	Not detected	830000
Carbazole			Not detected	4100	Not detected	830000
Chrysene			Not detected	4100	Not detected	830000
Dibenzo(a,h)anthracene			Not detected	4100	Not detected	830000
Dibenzofuran			Not detected	4100	Not detected	830000
Diethylphthalate			Not detected	4100	Not detected	830000
Dimethylphthalate			Not detected	4100	Not detected	830000
Di-n-butylphthalate			Not detected	4100	Not detected	830000
Di-n-octylphthalate			Not detected	4100	Not detected	830000
Fluoranthene			Not detected	4100	Not detected	830000
Fluorene			Not detected	4100	Not detected	830000
Hexachlorobenzene			Not detected	4100	Not detected	830000
Hexachlorobutadiene			Not detected	4100	Not detected	830000
Hexachlorocyclopentadiene			Not detected	4100	Not detected	830000
Hexachloroethane			Not detected	4100	Not detected	830000
Indeno(1,2,3-cd)pyrene			Not detected	4100	Not detected	830000
Isophorone			Not detected	4100	Not detected	830000
Naphthalene			4400	4100	Not detected	830000
Nitrobenzene			Not detected	4100	Not detected	830000
N-Nitrosodi-n-propylamine			Not detected	4100	Not detected	830000
N-Nitrosodiphenylamine			Not detected	4100	Not detected	830000
Phenanthrene			7500	4100	Not detected	830000
Pyrene			Not detected	4100	Not detected	830000

Units Key:

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

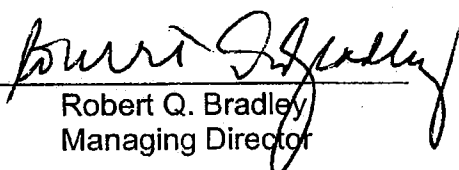
**YORK**

Report Date: 6/29/2006  
Client Project ID: 49 Dupont St., Bklyn  
York Project No.: 06060758

**Notes for York Project No. 06060758**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

  
Robert Q. Bradley  
Managing Director

Date: 6/29/2006

**YORK**

[illegible]



# YORK

ANALYTICAL LABORATORIES, INC.

## Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 6/21/2006  
***Re: Client Project ID: 49 Dupont St.***  
York Project No.: 06060481 Revised

CT License No. PH-0723

New York License No. 10854



**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/14/06. The project was identified as your project "49 Dupont St. ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			SB-15		SB-16	
York Sample ID			06060481-01		06060481-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-15		SB-16	
York Sample ID			06060481-01		06060481-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	300	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

Client Sample ID			SB-17		SB-18	
York Sample ID			06060481-03		06060481-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			290	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-17		SB-18	
York Sample ID			06060481-03		06060481-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			580	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			390	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			340	165	Not detected	165
Fluorene			270	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			1500	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			710	165	Not detected	165
Pyrene			500	165	Not detected	165

Client Sample ID			SB-19		SB-20	
York Sample ID			06060481-05		06060481-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-19		SB-20	
York Sample ID			06060481-05		06060481-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-21		SB-24	
York Sample ID			06060481-07		06060481-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	1700
1,2-Dichlorobenzene			Not detected	165	Not detected	1700
1,3-Dichlorobenzene			Not detected	165	Not detected	1700
1,4-Dichlorobenzene			Not detected	165	Not detected	1700
2,4-Dinitrotoluene			Not detected	165	Not detected	1700
2,6-Dinitrotoluene			Not detected	165	Not detected	1700
2-Chloronaphthalene			Not detected	165	Not detected	1700
2-Methylnaphthalene			Not detected	165	Not detected	1700
2-Nitroaniline			Not detected	165	Not detected	1700
3,3'-Dichlorobenzidine			Not detected	165	Not detected	1700
3-Nitroaniline			Not detected	165	Not detected	1700
4-Bromophenyl phenyl ether			Not detected	165	Not detected	1700
4-Chloroaniline			Not detected	165	Not detected	1700
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	1700
4-Nitroaniline			Not detected	165	Not detected	1700
Acenaphthene			Not detected	165	Not detected	1700
Acenaphthylene			Not detected	165	Not detected	1700
Anthracene			Not detected	165	Not detected	1700
Benzo(a)anthracene			Not detected	165	Not detected	1700
Benzo(a)pyrene			Not detected	165	Not detected	1700
Benzo(b)fluoranthene			Not detected	165	Not detected	1700
Benzo(g,h,i)perylene			Not detected	165	Not detected	1700
Benzo(k)fluoranthene			Not detected	165	Not detected	1700
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	1700
Bis(2-chloroethyl)ether			Not detected	165	Not detected	1700
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	1700
Bis(2-ethylhexyl)phthalate			Not detected	165	14000	1700
Butyl benzyl phthalate			Not detected	165	Not detected	1700
Carbazole			Not detected	165	Not detected	1700
Chrysene			Not detected	165	Not detected	1700
Dibenzo(a,h)anthracene			Not detected	165	Not detected	1700
Dibenzofuran			Not detected	165	Not detected	1700
Diethylphthalate			Not detected	165	Not detected	1700
Dimethylphthalate			Not detected	165	Not detected	1700
Di-n-butylphthalate			Not detected	165	Not detected	1700
Di-n-octylphthalate			Not detected	165	16000	1700
Fluoranthene			Not detected	165	Not detected	1700
Fluorene			Not detected	165	Not detected	1700
Hexachlorobenzene			Not detected	165	Not detected	1700
Hexachlorobutadiene			Not detected	165	Not detected	1700
Hexachlorocyclopentadiene			Not detected	165	Not detected	1700
Hexachloroethane			Not detected	165	Not detected	1700
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	1700
Isophorone			Not detected	165	Not detected	1700
Naphthalene			Not detected	165	Not detected	1700
Nitrobenzene			Not detected	165	Not detected	1700
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	1700
N-Nitrosodiphenylamine			Not detected	165	Not detected	1700
Phenanthrene			Not detected	165	Not detected	1700
Pyrene			Not detected	165	Not detected	1700

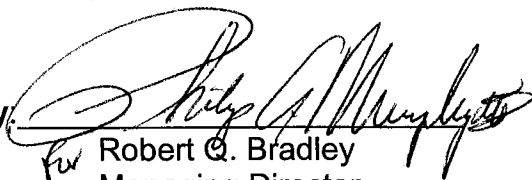
**YORK**

**Units Key:** For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 06060481 R**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

  
for Robert Q. Bradley  
Managing Director

Date: 6/21/2006

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Page 1 of 1

0000004181

Company Name ADVANCED SITE RESTORATION 62 WILLIAM ST N.Y. N.Y. 10005	Report To: STEVE MULLEN	Invoice To: ASR	Project ID/No. 49 DULONT ST BROOKLYN NY	Samples Collected By (Signature) <i>Ethan Vazquez</i>
Name (Printed)				

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
	SB-15	6/13/06	X			EPA 8260 & 8270 STARS	1 (807) 1 (402)
	SB-16						
	SB-17						
	SB-18						
	SB-19						
	SB-20						
	SB-21						
	SB-24						

### Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
		<i>[Signature]</i>	6/15/06	<i>[Signature]</i>	6/14/06
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time
				<i>[Signature]</i>	6/14/06

Comments/Special Instructions

Turn-Around Time

Standard

RUSH(define)



# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 6/23/2006  
*Re: Client Project ID: 49 Dupont St., Bklyn, NY*  
York Project No.: 06060587

CT License No. PH-0723

New York License No. 10854



**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/16/06. The project was identified as your project "49 Dupont St., Bklyn, NY."

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			SB-23		SB-46	
York Sample ID			06060587-01		06060587-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
Benzene			Not detected	10	Not detected	10
Ethylbenzene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methyl-tert-butyl ether (MTBE)			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m-Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10
sec-Butylbenzene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10
Total Xylenes			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-23		SB-46	
York Sample ID			06060587-01		06060587-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			380	165	340	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			220	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			1600	165	330	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-56		SB-57	
York Sample ID			06060587-03		06060587-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles- STARS List</b>	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	130
1,3,5-Trimethylbenzene			Not detected	10	Not detected	130
Benzene			Not detected	10	Not detected	130
Ethylbenzene			Not detected	10	Not detected	130
Isopropylbenzene			Not detected	10	Not detected	130
Methyl-tert-butyl ether (MTBE)			Not detected	10	Not detected	130
Naphthalene			Not detected	10	Not detected	130
n-Butylbenzene			Not detected	10	Not detected	130
n-Propylbenzene			Not detected	10	Not detected	130
o-Xylene			Not detected	10	Not detected	130
p- & m-Xylenes			Not detected	10	Not detected	130
p-Isopropyltoluene			Not detected	10	Not detected	130
sec-Butylbenzene			Not detected	10	Not detected	130
tert-Butylbenzene			Not detected	10	Not detected	130
Toluene			Not detected	10	Not detected	130
Total Xylenes			Not detected	10	Not detected	130
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	4100
1,2-Dichlorobenzene			Not detected	165	Not detected	4100
1,3-Dichlorobenzene			Not detected	165	Not detected	4100
1,4-Dichlorobenzene			Not detected	165	Not detected	4100
2,4-Dinitrotoluene			Not detected	165	Not detected	4100
2,6-Dinitrotoluene			Not detected	165	Not detected	4100
2-Chloronaphthalene			Not detected	165	Not detected	4100
2-Methylnaphthalene			Not detected	165	Not detected	4100
2-Nitroaniline			Not detected	165	Not detected	4100
3,3'-Dichlorobenzidine			Not detected	165	Not detected	4100
3-Nitroaniline			Not detected	165	Not detected	4100
4-Bromophenyl phenyl ether			Not detected	165	Not detected	4100
4-Chloroaniline			Not detected	165	Not detected	4100
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	4100
4-Nitroaniline			Not detected	165	Not detected	4100
Acenaphthene			Not detected	165	Not detected	4100
Acenaphthylene			Not detected	165	Not detected	4100
Anthracene			Not detected	165	Not detected	4100
Benzo(a)anthracene			Not detected	165	Not detected	4100
Benzo(a)pyrene			Not detected	165	Not detected	4100
Benzo(b)fluoranthene			Not detected	165	Not detected	4100
Benzo(g,h,i)perylene			Not detected	165	Not detected	4100
Benzo(k)fluoranthene			Not detected	165	Not detected	4100
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	4100
Bis(2-chloroethyl)ether			Not detected	165	Not detected	4100
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	4100
Bis(2-ethylhexyl)phthalate			Not detected	165	52000	4100
Butyl benzyl phthalate			Not detected	165	Not detected	4100
Carbazole			Not detected	165	Not detected	4100
Chrysene			Not detected	165	Not detected	4100
Dibenzo(a,h)anthracene			Not detected	165	Not detected	4100
Dibenzofuran			Not detected	165	Not detected	4100

**YORK**

Client Sample ID			SB-56		SB-57	
York Sample ID			06060587-03		06060587-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Diethylphthalate			Not detected	165	Not detected	4100
Dimethylphthalate			Not detected	165	Not detected	4100
Di-n-butylphthalate			Not detected	165	Not detected	4100
Di-n-octylphthalate			Not detected	165	6800	4100
Fluoranthene			Not detected	165	Not detected	4100
Fluorene			Not detected	165	Not detected	4100
Hexachlorobenzene			Not detected	165	Not detected	4100
Hexachlorobutadiene			Not detected	165	Not detected	4100
Hexachlorocyclopentadiene			Not detected	165	Not detected	4100
Hexachloroethane			Not detected	165	Not detected	4100
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	4100
Isophorone			Not detected	165	Not detected	4100
Naphthalene			Not detected	165	Not detected	4100
Nitrobenzene			Not detected	165	Not detected	4100
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	4100
N-Nitrosodiphenylamine			Not detected	165	Not detected	4100
Phenanthrene			Not detected	165	Not detected	4100
Pyrene			Not detected	165	Not detected	4100

Client Sample ID			SB-58		SB-59	
York Sample ID			06060587-05		06060587-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles- STARS List</b>	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
Benzene			Not detected	10	Not detected	10
Ethylbenzene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methyl-tert-butyl ether (MTBE)			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m-Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10
sec-Butylbenzene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10
Total Xylenes			Not detected	10	Not detected	10
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-58		SB-59	
York Sample ID			06060587-05		06060587-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			320	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

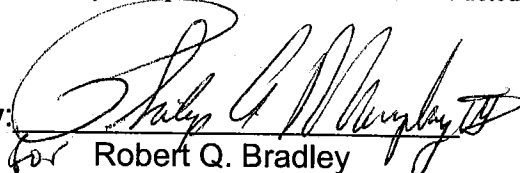
For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**YORK**

**Notes for York Project No. 06060587**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

  
Robert Q. Bradley  
Managing Director

Date: 6/23/2006

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Page 1 of 1

Company Name

A S R

Report To:

STEVE MULLER

Invoice To:

A S R

Project ID/No.

49 DUPONT ST  
BKLYN N.Y.

E. Vazquez

Samples Collected By (Signature)

E. VAZQUEZ

Name (Printed)

Sample No.

Location/ID

Date Sampled

Sample Matrix  
Water Soil Air OTHER

ANALYSES REQUESTED

Container  
Description(s)

SB-23

6/14/06

X

826C  
EPA standard & 8270 STARS

11402) 1 (902)

SB-46

SB-56

SB-57

SB-58

SB-59

### Chain-of-Custody Record

Bottles Relinquished from Lab by

Date/Time

Bottles Received in Field by

Date/Time

Comments/Special Instructions

E. Vazquez  
Sample Relinquished by6/16/06  
Date/Time

Sample Relinquished by

Date/Time

Sample Received by

Date/Time

Sample Received in LAB by

Date/Time

Turn-Around Time

X Standard

RUSH(define)



**YORK**  
**ANALYTICAL LABORATORIES, INC.**

# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 6/26/2006  
**Re: Client Project ID: 49 Dupont St.**  
York Project No.: 06060636

CT License No. PH-0723

New York License No. 10854



Report Date: 6/26/2006  
Client Project ID: 49 Dupont St.  
York Project No.: 06060636

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/19/06. The project was identified as your project "49 Dupont St. ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			SB-32		SB-34	
York Sample ID			06060636-01		06060636-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles- STARS List</b>	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	74	10
1,3,5-Trimethylbenzene			Not detected	10	30	10
Benzene			Not detected	10	Not detected	10
Ethylbenzene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methyl-tert-butyl ether (MTBE)			Not detected	10	Not detected	10
Naphthalene			Not detected	10	28	10
n-Butylbenzene			Not detected	10	25	10
n-Propylbenzene			Not detected	10	10	10
o-Xylene			Not detected	10	Not detected	10
p- & m-Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	11	10
sec-Butylbenzene			Not detected	10	12	10
tert-Butylbenzene			Not detected	10	Not detected	10
Toluene			Not detected	10	27	10
Total Xylenes			Not detected	10	Not detected	10

**YORK**

Client Sample ID			SB-32		SB-34	
York Sample ID			06060636-01		06060636-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	17000
1,2-Dichlorobenzene			Not detected	165	Not detected	17000
1,3-Dichlorobenzene			Not detected	165	Not detected	17000
1,4-Dichlorobenzene			Not detected	165	Not detected	17000
2,4-Dinitrotoluene			Not detected	165	Not detected	17000
2,6-Dinitrotoluene			Not detected	165	Not detected	17000
2-Chloronaphthalene			Not detected	165	Not detected	17000
2-Methylnaphthalene			Not detected	165	Not detected	17000
2-Nitroaniline			Not detected	165	Not detected	17000
3,3'-Dichlorobenzidine			Not detected	165	Not detected	17000
3-Nitroaniline			Not detected	165	Not detected	17000
4-Bromophenyl phenyl ether			Not detected	165	Not detected	17000
4-Chloroaniline			Not detected	165	Not detected	17000
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	17000
4-Nitroaniline			Not detected	165	Not detected	17000
Acenaphthene			Not detected	165	Not detected	17000
Acenaphthylene			Not detected	165	Not detected	17000
Anthracene			Not detected	165	Not detected	17000
Benzo(a)anthracene			Not detected	165	Not detected	17000
Benzo(a)pyrene			Not detected	165	Not detected	17000
Benzo(b)fluoranthene			Not detected	165	Not detected	17000
Benzo(g,h,i)perylene			Not detected	165	Not detected	17000
Benzo(k)fluoranthene			Not detected	165	Not detected	17000
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	17000
Bis(2-chloroethyl)ether			Not detected	165	Not detected	17000
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	17000
Bis(2-ethylhexyl)phthalate			1500	165	610000	17000
Butyl benzyl phthalate			Not detected	165	Not detected	17000
Carbazole			Not detected	165	Not detected	17000
Chrysene			Not detected	165	Not detected	17000
Dibenzo(a,h)anthracene			Not detected	165	Not detected	17000
Dibenzofuran			Not detected	165	Not detected	17000
Diethylphthalate			Not detected	165	Not detected	17000
Dimethylphthalate			Not detected	165	Not detected	17000
Di-n-butylphthalate			Not detected	165	Not detected	17000
Di-n-octylphthalate			Not detected	165	41000	17000
Fluoranthene			Not detected	165	Not detected	17000
Fluorene			Not detected	165	Not detected	17000
Hexachlorobenzene			Not detected	165	Not detected	17000
Hexachlorobutadiene			Not detected	165	Not detected	17000
Hexachlorocyclopentadiene			Not detected	165	Not detected	17000
Hexachloroethane			Not detected	165	Not detected	17000
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	17000
Isophorone			Not detected	165	Not detected	17000
Naphthalene			Not detected	165	Not detected	17000
Nitrobenzene			Not detected	165	Not detected	17000
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	17000
N-Nitrosodiphenylamine			Not detected	165	Not detected	17000
Phenanthrene			Not detected	165	Not detected	17000
Pyrene			Not detected	165	Not detected	17000

**YORK**

Client Sample ID			SB-36		SB-37	
York Sample ID			06060636-03		06060636-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles- STARS List</b>	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	130
1,3,5-Trimethylbenzene			Not detected	10	Not detected	130
Benzene			Not detected	10	Not detected	130
Ethylbenzene			Not detected	10	Not detected	130
Isopropylbenzene			Not detected	10	Not detected	130
Methyl-tert-butyl ether (MTBE)			Not detected	10	Not detected	130
Naphthalene			Not detected	10	Not detected	130
n-Butylbenzene			Not detected	10	Not detected	130
n-Propylbenzene			Not detected	10	Not detected	130
o-Xylene			Not detected	10	Not detected	130
p- & m-Xylenes			Not detected	10	Not detected	130
p-Isopropyltoluene			Not detected	10	Not detected	130
sec-Butylbenzene			Not detected	10	Not detected	130
tert-Butylbenzene			Not detected	10	Not detected	130
Toluene			Not detected	10	Not detected	130
Total Xylenes			Not detected	10	Not detected	130
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	4100
1,2-Dichlorobenzene			Not detected	165	Not detected	4100
1,3-Dichlorobenzene			Not detected	165	Not detected	4100
1,4-Dichlorobenzene			Not detected	165	Not detected	4100
2,4-Dinitrotoluene			Not detected	165	Not detected	4100
2,6-Dinitrotoluene			Not detected	165	Not detected	4100
2-Chloronaphthalene			Not detected	165	Not detected	4100
2-Methylnaphthalene			Not detected	165	Not detected	4100
2-Nitroaniline			Not detected	165	Not detected	4100
3,3'-Dichlorobenzidine			Not detected	165	Not detected	4100
3-Nitroaniline			Not detected	165	Not detected	4100
4-Bromophenyl phenyl ether			Not detected	165	Not detected	4100
4-Chloroaniline			Not detected	165	Not detected	4100
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	4100
4-Nitroaniline			Not detected	165	Not detected	4100
Acenaphthene			Not detected	165	Not detected	4100
Acenaphthylene			Not detected	165	Not detected	4100
Anthracene			Not detected	165	Not detected	4100
Benzo(a)anthracene			Not detected	165	Not detected	4100
Benzo(a)pyrene			Not detected	165	Not detected	4100
Benzo(b)fluoranthene			Not detected	165	Not detected	4100
Benzo(g,h,i)perylene			Not detected	165	Not detected	4100
Benzo(k)fluoranthene			Not detected	165	Not detected	4100
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	4100
Bis(2-chloroethyl)ether			Not detected	165	Not detected	4100
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	4100
Bis(2-ethylhexyl)phthalate			Not detected	165	100000	4100
Butyl benzyl phthalate			Not detected	165	Not detected	4100
Carbazole			Not detected	165	Not detected	4100
Chrysene			Not detected	165	Not detected	4100
Dibenzo(a,h)anthracene			Not detected	165	Not detected	4100

**YORK**

Client Sample ID			SB-36		SB-37	
York Sample ID			06060636-03		06060636-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Dibenzofuran			Not detected	165	Not detected	4100
Diethylphthalate			Not detected	165	Not detected	4100
Dimethylphthalate			Not detected	165	Not detected	4100
Di-n-butylphthalate			Not detected	165	Not detected	4100
Di-n-octylphthalate			1200	165	8300	4100
Fluoranthene			Not detected	165	Not detected	4100
Fluorene			Not detected	165	Not detected	4100
Hexachlorobenzene			Not detected	165	Not detected	4100
Hexachlorobutadiene			Not detected	165	Not detected	4100
Hexachlorocyclopentadiene			Not detected	165	Not detected	4100
Hexachloroethane			Not detected	165	Not detected	4100
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	4100
Isophorone			Not detected	165	Not detected	4100
Naphthalene			Not detected	165	Not detected	4100
Nitrobenzene			Not detected	165	Not detected	4100
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	4100
N-Nitrosodiphenylamine			Not detected	165	Not detected	4100
Phenanthrene			Not detected	165	Not detected	4100
Pyrene			Not detected	165	Not detected	4100

Client Sample ID			SB-38A		SB-38B	
York Sample ID			06060636-05		06060636-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles- STARS List</b>	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	130	Not detected	25
1,3,5-Trimethylbenzene			Not detected	130	Not detected	25
Benzene			Not detected	130	Not detected	25
Ethylbenzene			Not detected	130	Not detected	25
Isopropylbenzene			Not detected	130	Not detected	25
Methyl-tert-butyl ether (MTBE)			Not detected	130	Not detected	25
Naphthalene			Not detected	130	Not detected	25
n-Butylbenzene			Not detected	130	Not detected	25
n-Propylbenzene			Not detected	130	Not detected	25
o-Xylene			Not detected	130	Not detected	25
p- & m-Xylenes			Not detected	130	Not detected	25
p-Isopropyltoluene			Not detected	130	Not detected	25
sec-Butylbenzene			Not detected	130	Not detected	25
tert-Butylbenzene			Not detected	130	Not detected	25
Toluene			Not detected	130	Not detected	25
Total Xylenes			Not detected	130	Not detected	25
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-38A		SB-38B	
York Sample ID			06060636-05		06060636-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			3500	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	1000	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			SB-39	
York Sample ID			06060636-07	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---
1,2,4-Trimethylbenzene			Not detected	130
1,3,5-Trimethylbenzene			Not detected	130
Benzene			Not detected	130
Ethylbenzene			Not detected	130
Isopropylbenzene			190	130
Methyl-tert-butyl ether (MTBE)			Not detected	130
Naphthalene			Not detected	130
n-Butylbenzene			930	130
n-Propylbenzene			740	130
o-Xylene			Not detected	130
p- & m-Xylenes			Not detected	130
p-Isopropyltoluene			210	130
sec-Butylbenzene			400	130
tert-Butylbenzene			Not detected	130
Toluene			Not detected	130
Total Xylenes			Not detected	130
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---
1,2,4-Trichlorobenzene			Not detected	8300
1,2-Dichlorobenzene			Not detected	8300
1,3-Dichlorobenzene			Not detected	8300
1,4-Dichlorobenzene			Not detected	8300
2,4-Dinitrotoluene			Not detected	8300
2,6-Dinitrotoluene			Not detected	8300
2-Chloronaphthalene			Not detected	8300
2-Methylnaphthalene			8600	8300
2-Nitroaniline			Not detected	8300
3,3'-Dichlorobenzidine			Not detected	8300
3-Nitroaniline			Not detected	8300
4-Bromophenyl phenyl ether			Not detected	8300
4-Chloroaniline			Not detected	8300
4-Chlorophenyl phenyl ether			Not detected	8300
4-Nitroaniline			Not detected	8300
Acenaphthene			13000	8300
Acenaphthylene			Not detected	8300
Anthracene			25000	8300
Benzo(a)anthracene			44000	8300
Benzo(a)pyrene			33000	8300
Benzo(b)fluoranthene			26000	8300
Benzo(g,h,i)perylene			8600	8300
Benzo(k)fluoranthene			32000	8300
Bis(2-chloroethoxy)methane			Not detected	8300
Bis(2-chloroethyl)ether			Not detected	8300
Bis(2-chloroisopropyl)ether			Not detected	8300
Bis(2-ethylhexyl)phthalate			Not detected	8300
Butyl benzyl phthalate			Not detected	8300
Carbazole			Not detected	8300
Chrysene			48000	8300
Dibenzo(a,h)anthracene			Not detected	8300

**YORK**

Client Sample ID			SB-39	
York Sample ID			06060636-07	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Dibenzofuran			10000	8300
Diethylphthalate			Not detected	8300
Dimethylphthalate			Not detected	8300
Di-n-butylphthalate			Not detected	8300
Di-n-octylphthalate			Not detected	8300
Fluoranthene			88000	8300
Fluorene			17000	8300
Hexachlorobenzene			Not detected	8300
Hexachlorobutadiene			Not detected	8300
Hexachlorocyclopentadiene			Not detected	8300
Hexachloroethane			Not detected	8300
Indeno(1,2,3-cd)pyrene			10000	8300
Isophorone			Not detected	8300
Naphthalene			12000	8300
Nitrobenzene			Not detected	8300
N-Nitrosodi-n-propylamine			Not detected	8300
N-Nitrosodiphenylamine			Not detected	8300
Phenanthrene			86000	8300
Pyrene			80000	8300

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 06060636**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

Robert Q. Bradley  
Managing Director

Date: 6/26/2006

**YORK**



# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE  
(203) 325-1371 FAX (203) 357-0166  
STRATFORD, CT 06615

Company Name

A SR  
62 WILLIAMS ST  
N.Y N.Y 10005

Report To:

STEVE MULLER

Invoice To:

ASR

Project ID/No.

49 DUPONT ST  
BKLYN N.Y

Signature

Samples Collected By (Signature)

E. VARGAS

Name (Printed)

Container

Description(s)

ANALYSES REQUESTED

Sample Matrix

Water Soil Air OTHER

Date Sampled

Location/ID

Sample No.

E1A 8260 + 8270 STARS 1(402) 1(812)

6-16-06

82-32

82-34

82-36

82-37

82-38A

82-38B

82-39

Chain-of-Custody Record

Bottles Relinquished from Lab by

Date/Time

Bottles Received in Field by

Date/Time

Sample Relinquished by

Date/Time

Sample Relinquished by

Date/Time

Sample Received by

Date/Time

Sample Received in LAB by

Date/Time

Turn-Around Time

Standard

RUSH(define)

Comments/Special Instructions



# Technical Report

prepared for

**Advanced Site Restoration  
62 William St.  
New York, NY 10005  
Attention: Steve Muller**

Report Date: 8/1/2006  
**Re: Client Project ID: 49 Dupont St., Brooklyn, NY**  
York Project No.: 06070643

CT License No. PH-0723

New York License No. 10854



Report Date: 8/1/2006  
Client Project ID: 49 Dupont St., Brooklyn, NY  
York Project No.: 06070643

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/24/06. The project was identified as your project "49 Dupont St., Brooklyn, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-5 4-9'		MW-6 5-10'	
York Sample ID			06070643-01		06070643-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	25
1,3,5-Trimethylbenzene			Not detected	10	Not detected	25
Benzene			Not detected	2.0	Not detected	5.0
Ethylbenzene			Not detected	10	Not detected	25
Isopropylbenzene			Not detected	10	Not detected	25
Methyl-tert-butyl ether			Not detected	10	Not detected	25
Naphthalene			Not detected	10	Not detected	25
n-Butylbenzene			Not detected	10	Not detected	25
n-Propylbenzene			Not detected	10	Not detected	25
o-Xylene			Not detected	10	Not detected	25
p- & m- Xylenes			Not detected	10	Not detected	25
p-Isopropyltoluene			Not detected	10	Not detected	25
sec-Butylbenzene			Not detected	10	31	25
tert-Butylbenzene			Not detected	10	Not detected	25
Toluene			Not detected	10	Not detected	25

**YORK**

Client Sample ID			MW-5 4-9'		MW-6 5-10'	
York Sample ID			06070643-01		06070643-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	830000
1,2-Dichlorobenzene			Not detected	165	Not detected	830000
1,3-Dichlorobenzene			Not detected	165	Not detected	830000
1,4-Dichlorobenzene			Not detected	165	Not detected	830000
2,4-Dinitrotoluene			Not detected	165	Not detected	830000
2,6-Dinitrotoluene			Not detected	165	Not detected	830000
2-Chloronaphthalene			Not detected	165	Not detected	830000
2-Methylnaphthalene			Not detected	165	Not detected	830000
2-Nitroaniline			Not detected	165	Not detected	830000
3,3'-Dichlorobenzidine			Not detected	165	Not detected	830000
3-Nitroaniline			Not detected	165	Not detected	830000
4-Bromophenyl phenyl ether			Not detected	165	Not detected	830000
4-Chloroaniline			Not detected	165	Not detected	830000
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	830000
4-Nitroaniline			Not detected	165	Not detected	830000
Acenaphthene			Not detected	165	Not detected	830000
Acenaphthylene			Not detected	165	Not detected	830000
Anthracene			Not detected	165	Not detected	830000
Benzo(a)anthracene			Not detected	165	Not detected	830000
Benzo(a)pyrene			Not detected	165	Not detected	830000
Benzo(b)fluoranthene			Not detected	165	Not detected	830000
Benzo(g,h,i)perylene			Not detected	165	Not detected	830000
Benzo(k)fluoranthene			Not detected	165	Not detected	830000
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	830000
Bis(2-chloroethyl)ether			Not detected	165	Not detected	830000
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	830000
Bis(2-ethylhexyl)phthalate			Not detected	165	9500000	830000
Butyl benzyl phthalate			Not detected	165	Not detected	830000
Carbazole			Not detected	165	Not detected	830000
Chrysene			Not detected	165	Not detected	830000
Dibenzo(a,h)anthracene			Not detected	165	Not detected	830000
Dibenzofuran			Not detected	165	Not detected	830000
Diethylphthalate			Not detected	165	Not detected	830000
Dimethylphthalate			Not detected	165	Not detected	830000
Di-n-butylphthalate			Not detected	165	Not detected	830000
Di-n-octylphthalate			Not detected	165	Not detected	830000
Fluoranthene			Not detected	165	Not detected	830000
Fluorene			Not detected	165	Not detected	830000
Hexachlorobenzene			Not detected	165	Not detected	830000
Hexachlorobutadiene			Not detected	165	Not detected	830000
Hexachlorocyclopentadiene			Not detected	165	Not detected	830000
Hexachloroethane			Not detected	165	Not detected	830000
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	830000

**YORK**

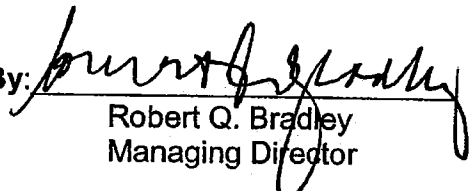
Client Sample ID			MW-5 4-9'		MW-6 5-10'	
York Sample ID			06070643-01		06070643-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Isophorone			Not detected	165	Not detected	830000
Naphthalene			Not detected	165	Not detected	830000
Nitrobenzene			Not detected	165	Not detected	830000
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	830000
N-Nitrosodiphenylamine			Not detected	165	Not detected	830000
Phenanthrene			Not detected	165	Not detected	830000
Pyrene			Not detected	165	Not detected	830000

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

### Notes for York Project No. 06070643

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

  
Robert Q. Bradley  
Managing Director

Date: 8/1/2006

**YORK**

# Field Chain-of-Custody Record

[illegible]



# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 8/1/2006  
*Re: Client Project ID: 49 Dupont St., Brooklyn, NY*  
York Project No.: 06070644

CT License No. PH-0723

New York License No. 10854



Report Date: 8/1/2006  
Client Project ID: 49 Dupont St., Brooklyn, NY  
York Project No.: 06070644

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/24/06. The project was identified as your project "49 Dupont St., Brooklyn, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-5 10-15'		MW-6 10-15'	
York Sample ID			06070644-01		06070644-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			420	130	540	130
1,3,5-Trimethylbenzene			Not detected	130	220	130
Benzene			Not detected	25	Not detected	25
Ethylbenzene			Not detected	130	Not detected	130
Isopropylbenzene			Not detected	130	Not detected	130
Methyl-tert-butyl ether			Not detected	130	Not detected	130
Naphthalene			220	130	Not detected	130
n-Butylbenzene			Not detected	130	Not detected	130
n-Propylbenzene			Not detected	130	Not detected	130
o-Xylene			Not detected	130	Not detected	130
p- & m- Xylenes			Not detected	130	Not detected	130
p-Isopropyltoluene			Not detected	130	Not detected	130
sec-Butylbenzene			Not detected	130	Not detected	130
tert-Butylbenzene			Not detected	130	Not detected	130
Toluene			Not detected	130	Not detected	130

**YORK**



Client Sample ID			MW-5 10-15'		MW-6 10-15'	
York Sample ID			06070644-01		06070644-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	410000	Not detected	83000
1,2-Dichlorobenzene			Not detected	410000	Not detected	83000
1,3-Dichlorobenzene			Not detected	410000	Not detected	83000
1,4-Dichlorobenzene			Not detected	410000	Not detected	83000
2,4-Dinitrotoluene			Not detected	410000	Not detected	83000
2,6-Dinitrotoluene			Not detected	410000	Not detected	83000
2-Chloronaphthalene			Not detected	410000	Not detected	83000
2-Methylnaphthalene			Not detected	410000	Not detected	83000
2-Nitroaniline			Not detected	410000	Not detected	83000
3,3'-Dichlorobenzidine			Not detected	410000	Not detected	83000
3-Nitroaniline			Not detected	410000	Not detected	83000
4-Bromophenyl phenyl ether			Not detected	410000	Not detected	83000
4-Chloroaniline			Not detected	410000	Not detected	83000
4-Chlorophenyl phenyl ether			Not detected	410000	Not detected	83000
4-Nitroaniline			Not detected	410000	Not detected	83000
Acenaphthene			Not detected	410000	Not detected	83000
Acenaphthylene			Not detected	410000	Not detected	83000
Anthracene			Not detected	410000	Not detected	83000
Benzo(a)anthracene			Not detected	410000	Not detected	83000
Benzo(a)pyrene			Not detected	410000	Not detected	83000
Benzo(b)fluoranthene			Not detected	410000	Not detected	83000
Benzo(g,h,i)perylene			Not detected	410000	Not detected	83000
Benzo(k)fluoranthene			Not detected	410000	Not detected	83000
Bis(2-chloroethoxy)methane			Not detected	410000	Not detected	83000
Bis(2-chloroethyl)ether			Not detected	410000	Not detected	83000
Bis(2-chloroisopropyl)ether			Not detected	410000	Not detected	83000
Bis(2-ethylhexyl)phthalate			6700000	410000	1900000	83000
Butyl benzyl phthalate			Not detected	410000	Not detected	83000
Carbazole			Not detected	410000	Not detected	83000
Chrysene			Not detected	410000	Not detected	83000
Dibenzo(a,h)anthracene			Not detected	410000	Not detected	83000
Dibenzofuran			Not detected	410000	Not detected	83000
Diethylphthalate			Not detected	410000	Not detected	83000
Dimethylphthalate			Not detected	410000	Not detected	83000
Di-n-butylphthalate			Not detected	410000	Not detected	83000
Di-n-octylphthalate			1300000	410000	180000	83000
Fluoranthene			Not detected	410000	Not detected	83000
Fluorene			Not detected	410000	Not detected	83000
Hexachlorobenzene			Not detected	410000	Not detected	83000
Hexachlorobutadiene			Not detected	410000	Not detected	83000
Hexachlorocyclopentadiene			Not detected	410000	Not detected	83000

**YORK**

<b>Client Sample ID</b>			<b>MW-5 10-15'</b>		<b>MW-6 10-15'</b>	
<b>York Sample ID</b>			<b>06070644-01</b>		<b>06070644-02</b>	
<b>Matrix</b>			<b>SOIL</b>		<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
Hexachloroethane			Not detected	410000	Not detected	83000
Indeno(1,2,3-cd)pyrene			Not detected	410000	Not detected	83000
Isophorone			Not detected	410000	Not detected	83000
Naphthalene			Not detected	410000	Not detected	83000
Nitrobenzene			Not detected	410000	Not detected	83000
N-Nitrosodi-n-propylamine			Not detected	410000	Not detected	83000
N-Nitrosodiphenylamine			Not detected	410000	Not detected	83000
Phenanthrene			Not detected	410000	Not detected	83000
Pyrene			Not detected	410000	Not detected	83000

**Units Key:** For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

### **Notes for York Project No. 06070644**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
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6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: 

Robert Q. Bradley  
Managing Director

Date: 8/1/2006

**YORK**



**YORK**  
**ANALYTICAL LABORATORIES, INC.**

# Technical Report

prepared for

**Advanced Site Restoration**  
**62 William St.**  
**New York, NY 10005**  
**Attention: Steve Muller**

Report Date: 7/31/2006  
***Re: Client Project ID: 49 Dupont St., Brooklyn, NY***  
York Project No.: 06070642

CT License No. PH-0723

New York License No. 10854



Report Date: 7/31/2006  
Client Project ID: 49 Dupont St., Brooklyn, NY  
York Project No.: 06070642

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

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The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-7@5-10'		MW-8@5-10'	
York Sample ID			06070642-01		06070642-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
Benzene			Not detected	2.0	Not detected	2.0
Ethylbenzene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methyl-tert-butyl ether			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m- Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10
sec-Butylbenzene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10

**YORK**

Client Sample ID			MW-7@5-10'		MW-8@5-10'	
York Sample ID			06070642-01		06070642-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			3600	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			MW-9@5-10'		MW-10@5-10'	
York Sample ID			06070642-03		06070642-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	500	Not detected	10
1,3,5-Trimethylbenzene			Not detected	500	Not detected	10
Benzene			Not detected	100	Not detected	2.0
Ethylbenzene			Not detected	500	Not detected	10
Isopropylbenzene			Not detected	500	Not detected	10
Methyl-tert-butyl ether			Not detected	500	Not detected	10
Naphthalene			4400	500	Not detected	10
n-Butylbenzene			1100	500	Not detected	10
n-Propylbenzene			850	500	Not detected	10
o-Xylene			Not detected	500	Not detected	10
p- & m- Xylenes			Not detected	500	Not detected	10
p-Isopropyltoluene			Not detected	500	Not detected	10
sec-Butylbenzene			720	500	Not detected	10
tert-Butylbenzene			Not detected	500	Not detected	10
Toluene			Not detected	500	Not detected	10
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	4100	Not detected	165
1,2-Dichlorobenzene			Not detected	4100	Not detected	165
1,3-Dichlorobenzene			Not detected	4100	Not detected	165
1,4-Dichlorobenzene			Not detected	4100	Not detected	165
2,4-Dinitrotoluene			Not detected	4100	Not detected	165
2,6-Dinitrotoluene			Not detected	4100	Not detected	165
2-Chloronaphthalene			Not detected	4100	Not detected	165
2-Methylnaphthalene			Not detected	4100	Not detected	165
2-Nitroaniline			Not detected	4100	Not detected	165
3,3'-Dichlorobenzidine			Not detected	4100	Not detected	165
3-Nitroaniline			Not detected	4100	Not detected	165
4-Bromophenyl phenyl ether			Not detected	4100	Not detected	165
4-Chloroaniline			Not detected	4100	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	4100	Not detected	165
4-Nitroaniline			Not detected	4100	Not detected	165
Acenaphthene			Not detected	4100	Not detected	165
Acenaphthylene			Not detected	4100	Not detected	165
Anthracene			Not detected	4100	Not detected	165
Benzo(a)anthracene			Not detected	4100	Not detected	165
Benzo(a)pyrene			Not detected	4100	Not detected	165
Benzo(b)fluoranthene			Not detected	4100	Not detected	165
Benzo(g,h,i)perylene			Not detected	4100	Not detected	165
Benzo(k)fluoranthene			Not detected	4100	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	4100	Not detected	165
Bis(2-chloroethyl)ether			Not detected	4100	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	4100	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	4100	Not detected	165
Butyl benzyl phthalate			Not detected	4100	Not detected	165
Carbazole			Not detected	4100	Not detected	165
Chrysene			Not detected	4100	Not detected	165
Dibenzo(a,h)anthracene			Not detected	4100	Not detected	165
Dibenzofuran			Not detected	4100	Not detected	165

**YORK**

Client Sample ID			MW-9@5-10'		MW-10@5-10'	
York Sample ID			06070642-03		06070642-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Diethylphthalate			Not detected	4100	Not detected	165
Dimethylphthalate			Not detected	4100	Not detected	165
Di-n-butylphthalate			Not detected	4100	Not detected	165
Di-n-octylphthalate			Not detected	4100	Not detected	165
Fluoranthene			Not detected	4100	Not detected	165
Fluorene			Not detected	4100	Not detected	165
Hexachlorobenzene			Not detected	4100	Not detected	165
Hexachlorobutadiene			Not detected	4100	Not detected	165
Hexachlorocyclopentadiene			Not detected	4100	Not detected	165
Hexachloroethane			Not detected	4100	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	4100	Not detected	165
Isophorone			Not detected	4100	Not detected	165
Naphthalene			Not detected	4100	Not detected	165
Nitrobenzene			Not detected	4100	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	4100	Not detected	165
N-Nitrosodiphenylamine			Not detected	4100	Not detected	165
Phenanthrene			5600	4100	Not detected	165
Pyrene			Not detected	4100	Not detected	165

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 06070642**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

Robert Q. Bradley  
Managing Director

Date: 7/31/2006

**YORK**



# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Page 1 of 1

Company Name

A S R

Report To:

STEVE MULLER

Invoice To:

ASR

Project ID/No.

49 DUPONT ST  
BKLYN NYE. Vazquez  
Samples Collected By (Signature)E. VAZQUEZ  
Name (Printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air OTHER		
	MW-705'-10'	7/21/06		X		EPA 8260 STARS	402
	MW-705'-10'	7/21/06		X		EPA 8270 BN	802
	MW-805'-10'	7/21/06		X		EPA 8260 STARS	402
	MW-805'-10'	7/21/06		X		EPA 8270 BN	802
	MW-905'-10'	7/21/06		X		EPA 8260 STARS	402
	MW-905'-10'	7/21/06		X		EPA 8270 BN	802
	MW-1005'-10'	7/21/06		X		EPA 8260 STARS	402
	MW-1005'-10'	7/21/06		X		EPA 8270 BN	802

### Chain-of-Custody Record

Bottles Relinquished from Lab by

Date/Time

Bottles Received in Field by

Date/Time

Comments/Special Instructions

E. Vazquez  
Sample Relinquished by7/24/06  
Date/Time

Sample Relinquished by

Date/Time

Sample Received by

Date/Time

Turn-Around Time

Standard

RUSH(define)



# Technical Report

prepared for

**Advanced Site Restoration  
62 William St.  
New York, NY 10005  
Attention: Steve Muller**

Report Date: 7/31/2006  
***Re: Client Project ID: 49 Dupont St., Brooklyn, NY***  
York Project No.: 06070645

CT License No. PH-0723

New York License No. 10854



Report Date: 7/31/2006  
Client Project ID: 49 Dupont St., Brooklyn, NY  
York Project No.: 06070645

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/24/06. The project was identified as your project "49 Dupont St., Brooklyn, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-7@10-15'		MW-8@10-15'	
York Sample ID			06070645-01		06070645-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			35	25	Not detected	10
1,3,5-Trimethylbenzene			Not detected	25	Not detected	10
Benzene			Not detected	5.0	Not detected	2.0
Ethylbenzene			Not detected	25	Not detected	10
Isopropylbenzene			Not detected	25	Not detected	10
Methyl-tert-butyl ether			Not detected	25	Not detected	10
Naphthalene			Not detected	25	Not detected	10
n-Butylbenzene			Not detected	25	Not detected	10
n-Propylbenzene			Not detected	25	Not detected	10
o-Xylene			Not detected	25	Not detected	10
p- & m- Xylenes			36	25	Not detected	10
p-Isopropyltoluene			Not detected	25	Not detected	10
sec-Butylbenzene			Not detected	25	Not detected	10
tert-Butylbenzene			Not detected	25	Not detected	10

**YORK**

Client Sample ID			MW-7@10-15'		MW-8@10-15'	
York Sample ID			06070645-01		06070645-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Toluene			33	.25	Not detected	10
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	170000	Not detected	830
1,2-Dichlorobenzene			Not detected	170000	Not detected	830
1,3-Dichlorobenzene			Not detected	170000	Not detected	830
1,4-Dichlorobenzene			Not detected	170000	Not detected	830
2,4-Dinitrotoluene			Not detected	170000	Not detected	830
2,6-Dinitrotoluene			Not detected	170000	Not detected	830
2-Chloronaphthalene			Not detected	170000	Not detected	830
2-Methylnaphthalene			Not detected	170000	Not detected	830
2-Nitroaniline			Not detected	170000	Not detected	830
3,3'-Dichlorobenzidine			Not detected	170000	Not detected	830
3-Nitroaniline			Not detected	170000	Not detected	830
4-Bromophenyl phenyl ether			Not detected	170000	Not detected	830
4-Chloroaniline			Not detected	170000	Not detected	830
4-Chlorophenyl phenyl ether			Not detected	170000	Not detected	830
4-Nitroaniline			Not detected	170000	Not detected	830
Acenaphthene			Not detected	170000	Not detected	830
Acenaphthylene			Not detected	170000	Not detected	830
Anthracene			Not detected	170000	Not detected	830
Benzo(a)anthracene			Not detected	170000	Not detected	830
Benzo(a)pyrene			Not detected	170000	Not detected	830
Benzo(b)fluoranthene			Not detected	170000	Not detected	830
Benzo(g,h,i)perylene			Not detected	170000	Not detected	830
Benzo(k)fluoranthene			Not detected	170000	Not detected	830
Bis(2-chloroethoxy)methane			Not detected	170000	Not detected	830
Bis(2-chloroethyl)ether			Not detected	170000	Not detected	830
Bis(2-chloroisopropyl)ether			Not detected	170000	Not detected	830
Bis(2-ethylhexyl)phthalate			1700000	170000	12000	830
Butyl benzyl phthalate			Not detected	170000	Not detected	830
Carbazole			Not detected	170000	Not detected	830
Chrysene			Not detected	170000	Not detected	830
Dibenzo(a,h)anthracene			Not detected	170000	Not detected	830
Dibenzofuran			Not detected	170000	Not detected	830
Diethylphthalate			Not detected	170000	Not detected	830
Dimethylphthalate			Not detected	170000	Not detected	830
Di-n-butylphthalate			Not detected	170000	Not detected	830
Di-n-octylphthalate			Not detected	170000	Not detected	830
Fluoranthene			Not detected	170000	Not detected	830
Fluorene			Not detected	170000	Not detected	830
Hexachlorobenzene			Not detected	170000	Not detected	830
Hexachlorobutadiene			Not detected	170000	Not detected	830
Hexachlorocyclopentadiene			Not detected	170000	Not detected	830
Hexachloroethane			Not detected	170000	Not detected	830

**YORK**

<b>Client Sample ID</b>			<b>MW-7@10-15'</b>		<b>MW-8@10-15'</b>	
<b>York Sample ID</b>			<b>06070645-01</b>		<b>06070645-02</b>	
<b>Matrix</b>			<b>SOIL</b>		<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
Indeno(1,2,3-cd)pyrene			Not detected	170000	Not detected	830
Isophorone			Not detected	170000	Not detected	830
Naphthalene			Not detected	170000	Not detected	830
Nitrobenzene			Not detected	170000	Not detected	830
N-Nitrosodi-n-propylamine			Not detected	170000	Not detected	830
N-Nitrosodiphenylamine			Not detected	170000	Not detected	830
Phenanthrene			Not detected	170000	Not detected	830
Pyrene			Not detected	170000	Not detected	830

<b>Client Sample ID</b>			<b>MW-9@10-15'</b>		<b>MW-10@10-15'</b>	
<b>York Sample ID</b>			<b>06070645-03</b>		<b>06070645-04</b>	
<b>Matrix</b>			<b>SOIL</b>		<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles- STARS List</b>	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	130	Not detected	10
1,3,5-Trimethylbenzene			Not detected	130	Not detected	10
Benzene			Not detected	25	Not detected	2.0
Ethylbenzene			480	130	Not detected	10
Isopropylbenzene			620	130	Not detected	10
Methyl-tert-butyl ether			Not detected	130	Not detected	10
Naphthalene			3600	130	Not detected	10
n-Butylbenzene			1100	130	Not detected	10
n-Propylbenzene			1100	130	Not detected	10
o-Xylene			Not detected	130	Not detected	10
p- & m- Xylenes			Not detected	130	Not detected	10
p-Isopropyltoluene			Not detected	130	Not detected	10
sec-Butylbenzene			690	130	Not detected	10
tert-Butylbenzene			Not detected	130	Not detected	10
Toluene			Not detected	130	Not detected	10
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	8300	Not detected	830
1,2-Dichlorobenzene			Not detected	8300	Not detected	830
1,3-Dichlorobenzene			Not detected	8300	Not detected	830
1,4-Dichlorobenzene			Not detected	8300	Not detected	830
2,4-Dinitrotoluene			Not detected	8300	Not detected	830
2,6-Dinitrotoluene			Not detected	8300	Not detected	830
2-Chloronaphthalene			Not detected	8300	Not detected	830
2-Methylnaphthalene			21000	8300	Not detected	830
2-Nitroaniline			Not detected	8300	Not detected	830
3,3'-Dichlorobenzidine			Not detected	8300	Not detected	830
3-Nitroaniline			Not detected	8300	Not detected	830
4-Bromophenyl phenyl ether			Not detected	8300	Not detected	830
4-Chloroaniline			Not detected	8300	Not detected	830
4-Chlorophenyl phenyl ether			Not detected	8300	Not detected	830
4-Nitroaniline			Not detected	8300	Not detected	830
Acenaphthene			Not detected	8300	Not detected	830
Acenaphthylene			Not detected	8300	Not detected	830
Anthracene			Not detected	8300	Not detected	830
Benzo(a)anthracene			Not detected	8300	Not detected	830

**YORK**

Client Sample ID			MW-9@10-15'		MW-10@10-15'	
York Sample ID			06070645-03		06070645-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo(a)pyrene			Not detected	8300	Not detected	830
Benzo(b)fluoranthene			Not detected	8300	Not detected	830
Benzo(g,h,i)perylene			Not detected	8300	Not detected	830
Benzo(k)fluoranthene			Not detected	8300	Not detected	830
Bis(2-chloroethoxy)methane			Not detected	8300	Not detected	830
Bis(2-chloroethyl)ether			Not detected	8300	Not detected	830
Bis(2-chloroisopropyl)ether			Not detected	8300	Not detected	830
Bis(2-ethylhexyl)phthalate			59000	8300	6300	830
Butyl benzyl phthalate			Not detected	8300	Not detected	830
Carbazole			Not detected	8300	Not detected	830
Chrysene			Not detected	8300	Not detected	830
Dibenzo(a,h)anthracene			Not detected	8300	Not detected	830
Dibenzofuran			Not detected	8300	Not detected	830
Diethylphthalate			Not detected	8300	Not detected	830
Dimethylphthalate			Not detected	8300	Not detected	830
Di-n-butylphthalate			Not detected	8300	Not detected	830
Di-n-octylphthalate			Not detected	8300	Not detected	830
Fluoranthene			Not detected	8300	Not detected	830
Fluorene			Not detected	8300	Not detected	830
Hexachlorobenzene			Not detected	8300	Not detected	830
Hexachlorobutadiene			Not detected	8300	Not detected	830
Hexachlorocyclopentadiene			Not detected	8300	Not detected	830
Hexachloroethane			Not detected	8300	Not detected	830
Indeno(1,2,3-cd)pyrene			Not detected	8300	Not detected	830
Isophorone			Not detected	8300	Not detected	830
Naphthalene			Not detected	8300	Not detected	830
Nitrobenzene			Not detected	8300	Not detected	830
N-Nitrosodi-n-propylamine			Not detected	8300	Not detected	830
N-Nitrosodiphenylamine			Not detected	8300	Not detected	830
Phenanthrene			17000	8300	Not detected	830
Pyrene			Not detected	8300	Not detected	830

Units Key:

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

### Notes for York Project No. 06070645

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

Robert Q. Bradley  
Managing Director

Date: 7/31/2006

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE  
STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Page 1 of 1

Company Name

A S R

Report To:

STEVE MULLER

Invoice To:

A S R

Project ID/No.

49 DUPONT ST  
BKLYN N.Y.E. Vazquez  
Samples Collected By (Signature)E. VAZQUEZ  
Name (Printed)

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
	MW-7@10'-15'	7/21/06		X			EPA 8260 STARS	402
	MW-7@10'-15'						EPA 8270 BN	802
	MW-8@10'-15'						EPA 8260 STARS	402
	MW-8@10'-15'						EPA 8270 <del>BN</del>	802
	MW-9@10'-15'						EPA 8260 STARS	402
	MW-9@10'-15'						EPA 8270 BN	802
	MW-10@10'-15'						EPA 8260 STARS	402
	MW-10@10'-15'						EPA 8270 BN	802

### Chain-of-Custody Record

Bottles Relinquished from Lab by

Date/Time

Sample Relinquished by

Bottles Received in Field by

Date/Time

Sample Relinquished by

Date/Time

Sample Received in LAB by

Date/Time

Comments/Special Instructions

Turn-Around Time

42°C

X Standard

RUSH(define)

**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Advanced Site Restoration  
62 William St.  
New York, NY 10005  
Attention: Steve Muller**

Report Date: 9/21/2006  
**Re: Client Project ID: Dupont, Brooklyn**  
York Project No.: 06090528

CT License No. PH-0723

New York License No. 10854





Report Date: 9/21/2006  
Client Project ID: Dupont, Brooklyn  
York Project No.: 06090528

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/14/06. The project was identified as your project "Dupont, Brooklyn".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-11@8-10'		MW-12@8-10'	
York Sample ID			06090528-01		06090528-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
Benzene			Not detected	2.00	Not detected	2.00
Ethylbenzene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
o-Xylene			Not detected	10.0	Not detected	10.0
p- & m- Xylenes			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			MW-11@8-10'		MW-12@8-10'	
York Sample ID			06090528-01		06090528-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			170	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			320	165	Not detected	165
Benzo(a)anthracene			350	165	Not detected	165
Benzo(a)pyrene			180	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			210	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			320	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			740	165	Not detected	165
Fluorene			170	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			890	165	Not detected	165
Pyrene			600	165	Not detected	165

**YORK**

Client Sample ID			MW-13@8-10'		MW-14@8-10'	
York Sample ID			06090528-03		06090528-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles- STARS List</b>	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
Benzene			Not detected	2.00	Not detected	2.00
Ethylbenzene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
o-Xylene			Not detected	10.0	Not detected	10.0
p- & m- Xylenes			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0
<b>Base/Neutral Extractables soil</b>	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165

**YORK**

<b>Client Sample ID</b>			<b>MW-13@8-10'</b>		<b>MW-14@8-10'</b>	
<b>York Sample ID</b>			<b>06090528-03</b>		<b>06090528-04</b>	
<b>Matrix</b>			<b>SOIL</b>		<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 06090528**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

Robert Q. Bradley  
Managing Director

Date: 9/21/2006

**YORK**



**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 12/20/2006  
*Re: Client Project ID: 49 Dupont St., Brooklyn*  
York Project No.: 06120412

CT License No. PH-0723

New York License No. 10854



Report Date: 12/20/2006  
Client Project ID: 49 Dupont St., Brooklyn  
York Project No.: 06120412

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 12/13/06. The project was identified as your project "49 Dupont St., Brooklyn".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-15 8-10'		MW-16 8-10'	
York Sample ID			06120412-01		06120412-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
Benzene			Not detected	2.00	Not detected	2.00
Ethylbenzene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
o-Xylene			Not detected	10.0	Not detected	10.0
p- & m- Xylenes			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0

**YORK**

Client Sample ID			MW-15 8-10'		MW-16 8-10'	
York Sample ID			06120412-01		06120412-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	1700	Not detected	165
1,2-Dichlorobenzene			Not detected	1700	Not detected	165
1,3-Dichlorobenzene			Not detected	1700	Not detected	165
1,4-Dichlorobenzene			Not detected	1700	Not detected	165
2,4-Dinitrotoluene			Not detected	1700	Not detected	165
2,6-Dinitrotoluene			Not detected	1700	Not detected	165
2-Chloronaphthalene			Not detected	1700	Not detected	165
2-Methylnaphthalene			Not detected	1700	Not detected	165
2-Nitroaniline			Not detected	1700	Not detected	165
3,3'-Dichlorobenzidine			Not detected	1700	Not detected	165
3-Nitroaniline			Not detected	1700	Not detected	165
4-Bromophenyl phenyl ether			Not detected	1700	Not detected	165
4-Chloroaniline			Not detected	1700	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	1700	Not detected	165
4-Nitroaniline			Not detected	1700	Not detected	165
Acenaphthene			Not detected	1700	Not detected	165
Acenaphthylene			Not detected	1700	Not detected	165
Anthracene			Not detected	1700	Not detected	165
Benzo(a)anthracene			Not detected	1700	Not detected	165
Benzo(a)pyrene			Not detected	1700	Not detected	165
Benzo(b)fluoranthene			Not detected	1700	Not detected	165
Benzo(g,h,i)perylene			Not detected	1700	Not detected	165
Benzo(k)fluoranthene			Not detected	1700	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	1700	Not detected	165
Bis(2-chloroethyl)ether			Not detected	1700	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	1700	Not detected	165
Bis(2-ethylhexyl)phthalate			6400	1700	Not detected	165
Butyl benzyl phthalate			Not detected	1700	Not detected	165
Carbazole			Not detected	1700	Not detected	165
Chrysene			Not detected	1700	Not detected	165
Dibenzo(a,h)anthracene			Not detected	1700	Not detected	165
Dibenzofuran			Not detected	1700	Not detected	165
Diethylphthalate			Not detected	1700	Not detected	165
Dimethylphthalate			Not detected	1700	Not detected	165
Di-n-butylphthalate			Not detected	1700	Not detected	165
Di-n-octylphthalate			Not detected	1700	990	165
Fluoranthene			Not detected	1700	Not detected	165
Fluorene			Not detected	1700	Not detected	165
Hexachlorobenzene			Not detected	1700	Not detected	165
Hexachlorobutadiene			Not detected	1700	Not detected	165
Hexachlorocyclopentadiene			Not detected	1700	Not detected	165
Hexachloroethane			Not detected	1700	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	1700	Not detected	165
Isophorone			Not detected	1700	Not detected	165
Naphthalene			Not detected	1700	Not detected	165
Nitrobenzene			Not detected	1700	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	1700	Not detected	165
N-Nitrosodiphenylamine			Not detected	1700	Not detected	165
Phenanthrene			Not detected	1700	Not detected	165
Pyrene			Not detected	1700	Not detected	165

**YORK**



<b>Client Sample ID</b>			<b>SB-4A@10'</b>		<b>SB-4B@10'</b>	
<b>York Sample ID</b>			<b>06120412-03</b>		<b>06120412-04</b>	
<b>Matrix</b>			<b>SOIL</b>		<b>SOIL</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
Mercury	SW846-7471	mg/kg	Not detected	0.10	Not detected	0.10

**Units Key:**

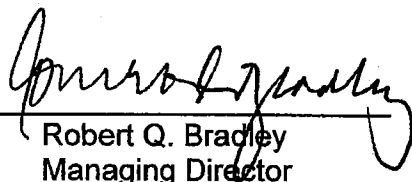
For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 06120412**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

**Approved By:**

  
Robert Q. Bradley  
Managing Director

**Date:** 12/20/2006

**YORK**

## Field Chain-of-Custody Record

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE  
STRATFORD, CT 06615  
(203) 325-1371  
FAX (203) 357-0166

[illegible]



# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 8/1/2006  
*Re: Client Project ID: 49 Dupont St., Brooklyn, NY*  
York Project No.: 06070673

CT License No. PH-0723

New York License No. 10854



Report Date: 8/1/2006  
Client Project ID: 49 Dupont St., Brooklyn, NY  
York Project No.: 06070673

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/25/06. The project was identified as your project "49 Dupont St., Brooklyn, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			5-10' ASR-11		10-15' ASR-11	
York Sample ID			06070673-01		06070673-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
Benzene			Not detected	2.0	Not detected	2.0
Ethylbenzene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methyl-tert-butyl ether			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m- Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10
sec-Butylbenzene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10

**YORK**

Client Sample ID			5-10' ASR-11		10-15' ASR-11	
York Sample ID			06070673-01		06070673-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	190	165

**YORK**

Client Sample ID			ASR-11	
York Sample ID			06070673-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-STARs List	SW846-8260	ug/L	---	---
1,2,4-Trimethylbenzene			Not detected	5
1,3,5-Trimethylbenzene			Not detected	5
Benzene			2	1
Ethylbenzene			Not detected	5
Isopropylbenzene			Not detected	5
Methyl-tert-butyl ether			Not detected	5
Naphthalene			Not detected	5
n-Butylbenzene			Not detected	5
n-Propylbenzene			Not detected	5
o-Xylene			Not detected	5
p- & m- Xylenes			Not detected	5
p-Isopropyltoluene			Not detected	5
sec-Butylbenzene			Not detected	5
tert-Butylbenzene			Not detected	5
Toluene			Not detected	5
Base/Neutral Extractables water	SW846-8270	ug/L	---	---
1,2,4-Trichlorobenzene			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
2,4-Dinitrotoluene			Not detected	5.0
2,6-Dinitrotoluene			Not detected	5.0
2-Chloronaphthalene			Not detected	5.0
2-Methylnaphthalene			Not detected	5.0
2-Nitroaniline			Not detected	5.0
3,3'-Dichlorobenzidine			Not detected	5.0
3-Nitroaniline			Not detected	5.0
4-Bromophenyl phenyl ether			Not detected	5.0
4-Chloroaniline			Not detected	5.0
4-Chlorophenyl phenyl ether			Not detected	5.0
4-Nitroaniline			Not detected	5.0
Acenaphthene			Not detected	5.0
Acenaphthylene			Not detected	5.0
Anthracene			Not detected	5.0
Benzo(a)anthracene			Not detected	5.0
Benzo(a)pyrene			Not detected	5.0
Benzo(b)fluoranthene			Not detected	5.0
Benzo(g,h,i)perylene			Not detected	5.0
Benzo(k)fluoranthene			Not detected	5.0
Bis(2-chloroethoxy)methane			Not detected	5.0
Bis(2-chloroethyl)ether			Not detected	5.0
Bis(2-chloroisopropyl)ether			Not detected	5.0
Bis(2-ethylhexyl)phthalate			18	5.0
Butyl benzyl phthalate			Not detected	5.0
Carbazole			Not detected	5.0
Chrysene			Not detected	5.0
Dibenzo(a,h)anthracene			Not detected	5.0
Dibenzofuran			Not detected	5.0

**YORK**

Client Sample ID			ASR-11	
York Sample ID			06070673-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Diethylphthalate			Not detected	5.0
Dimethylphthalate			Not detected	5.0
Di-n-butylphthalate			Not detected	5.0
Di-n-octylphthalate			Not detected	5.0
Fluoranthene			Not detected	5.0
Fluorene			Not detected	5.0
Hexachlorobenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Hexachlorocyclopentadiene			Not detected	5.0
Hexachloroethane			Not detected	5.0
Indeno(1,2,3-cd)pyrene			Not detected	5.0
Isophorone			Not detected	5.0
Naphthalene			Not detected	5.0
Nitrobenzene			Not detected	5.0
N-Nitrosodi-n-propylamine			Not detected	5.0
N-Nitrosodiphenylamine			Not detected	5.0
Phenanthrene			Not detected	5.0
Pyrene			Not detected	5.0

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 06070673**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

Robert Q. Bradley  
Managing Director

Date: 8/1/2006

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Page 1 of 1

Company Name

4316  
62will (can si  
ny ny 1000x

Report To:

Steve M

Invoice To:

ASR

Project ID/No.

49 Dupont St  
Bucklyn

Samples Collected By (Signature)

Anthony Arcebo

Name (Printed)

Container  
Description(s)

ANALYSES REQUESTED

Sample Matrix

Water

Soil

Air

OTHER

Date Sampled

1802 (402

1802 (402

1

2 va

### Chain-of-Custody Record

Bottles Relinquished from Lab by

Date/Time

Sample Relinquished by

Sample Relinquished by

Date/Time

Date/Time

Date/Time

Sample Received by

Sample Received in LAB by

Date/Time

Turn-Around Time

Comments/Special Instructions

Standard

RUSH(define)



**YORK**  
**ANALYTICAL LABORATORIES, INC.**

# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 8/2/2006  
**Re: Client Project ID: 49 Dupont St., Brooklyn**  
York Project No.: 06070672

CT License No. PH-0723

New York License No. 10854



Report Date: 8/2/2006  
 Client Project ID: 49 Dupont St., Brooklyn  
 York Project No.: 06070672

**Advanced Site Restoration**  
 62 William St.  
 New York, NY 10005  
 Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/25/06. The project was identified as your project "49 Dupont St., Brooklyn".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			5-10' ASR-12		10-15' ASR-12	
York Sample ID			06070672-01		06070672-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	130
1,3,5-Trimethylbenzene			Not detected	10	Not detected	130
Benzene			Not detected	2.0	Not detected	25
Ethylbenzene			Not detected	10	Not detected	130
Isopropylbenzene			Not detected	10	Not detected	130
Methyl-tert-butyl ether			Not detected	10	Not detected	130
Naphthalene			Not detected	10	Not detected	130
n-Butylbenzene			Not detected	10	Not detected	130
n-Propylbenzene			Not detected	10	Not detected	130
o-Xylene			Not detected	10	Not detected	130
p- & m- Xylenes			Not detected	10	Not detected	130
p-Isopropyltoluene			Not detected	10	Not detected	130
sec-Butylbenzene			Not detected	10	Not detected	130
tert-Butylbenzene			Not detected	10	Not detected	130
Toluene			Not detected	10	Not detected	130

**YORK**

Client Sample ID			5-10' ASR-12		10-15' ASR-12	
York Sample ID			06070672-01		06070672-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			ASR-12	
York Sample ID			06070672-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-STARs List	SW846-8260	ug/L	---	---
1,2,4-Trimethylbenzene			Not detected	500
1,3,5-Trimethylbenzene			Not detected	500
Benzene			Not detected	100
Ethylbenzene			Not detected	500
Isopropylbenzene			Not detected	500
Methyl-tert-butyl ether			Not detected	500
Naphthalene			2300	500
n-Butylbenzene			Not detected	500
n-Propylbenzene			Not detected	500
o-Xylene			Not detected	500
p- & m- Xylenes			Not detected	500
p-Isopropyltoluene			Not detected	500
sec-Butylbenzene			Not detected	500
tert-Butylbenzene			Not detected	500
Toluene			Not detected	500
Base/Neutral Extractables water	SW846-8270	ug/L	---	---
1,2,4-Trichlorobenzene			Not detected	25.0
1,2-Dichlorobenzene			Not detected	25.0
1,3-Dichlorobenzene			Not detected	25.0
1,4-Dichlorobenzene			Not detected	25.0
2,4-Dinitrotoluene			Not detected	25.0
2,6-Dinitrotoluene			Not detected	25.0
2-Chloronaphthalene			Not detected	25.0
2-Methylnaphthalene			210	25.0
2-Nitroaniline			Not detected	25.0
3,3'-Dichlorobenzidine			Not detected	25.0
3-Nitroaniline			Not detected	25.0
4-Bromophenyl phenyl ether			Not detected	25.0
4-Chloroaniline			Not detected	25.0
4-Chlorophenyl phenyl ether			Not detected	25.0
4-Nitroaniline			Not detected	25.0
Acenaphthene			Not detected	25.0
Acenaphthylene			Not detected	25.0
Anthracene			Not detected	25.0
Benzo(a)anthracene			Not detected	25.0
Benzo(a)pyrene			Not detected	25.0
Benzo(b)fluoranthene			Not detected	25.0
Benzo(g,h,i)perylene			Not detected	25.0
Benzo(k)fluoranthene			Not detected	25.0
Bis(2-chloroethoxy)methane			Not detected	25.0
Bis(2-chloroethyl)ether			Not detected	25.0
Bis(2-chloroisopropyl)ether			Not detected	25.0
Bis(2-ethylhexyl)phthalate			Not detected	25.0
Butyl benzyl phthalate			Not detected	25.0
Carbazole			Not detected	25.0
Chrysene			Not detected	25.0
Dibenzo(a,h)anthracene			Not detected	25.0
Dibenzofuran			Not detected	25.0

**YORK**

<b>Client Sample ID</b>			<b>ASR-12</b>	
<b>York Sample ID</b>			<b>06070672-03</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
Diethylphthalate			Not detected	25.0
Dimethylphthalate			Not detected	25.0
Di-n-butylphthalate			Not detected	25.0
Di-n-octylphthalate			Not detected	25.0
Fluoranthene			Not detected	25.0
Fluorene			Not detected	25.0
Hexachlorobenzene			Not detected	25.0
Hexachlorobutadiene			Not detected	25.0
Hexachlorocyclopentadiene			Not detected	25.0
Hexachloroethane			Not detected	25.0
Indeno(1,2,3-cd)pyrene			Not detected	25.0
Isophorone			Not detected	25.0
Naphthalene			210	25.0
Nitrobenzene			Not detected	25.0
N-Nitrosodi-n-propylamine			Not detected	25.0
N-Nitrosodiphenylamine			Not detected	25.0
Phenanthrene			Not detected	25.0
Pyrene			Not detected	25.0

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 06070672**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

Robert Q. Bradley  
Managing Director

Date: 8/2/2006

**YORK**



**YORK**  
**ANALYTICAL LABORATORIES, INC.**

# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 8/3/2006  
**Re: Client Project ID: 49 Dupont St.**  
York Project No.: 06070674

CT License No. PH-0723

New York License No. 10854



Report Date: 8/3/2006  
 Client Project ID: 49 Dupont St.  
 York Project No.: 06070674

**Advanced Site Restoration**  
 62 William St.  
 New York, NY 10005  
 Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/25/06. The project was identified as your project "49 Dupont St. ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-1		MW-2	
York Sample ID			06070674-01		06070674-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-STARs List	SW846-8260	ug/L	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	5	Not detected	5
1,3,5-Trimethylbenzene			Not detected	5	Not detected	5
Benzene			Not detected	1	Not detected	1
Ethylbenzene			Not detected	5	Not detected	5
Isopropylbenzene			5	5	Not detected	5
Methyl-tert-butyl ether			Not detected	5	Not detected	5
Naphthalene			75	5	Not detected	5
n-Butylbenzene			6	5	Not detected	5
n-Propylbenzene			7	5	Not detected	5
o-Xylene			Not detected	5	Not detected	5
p- & m- Xylenes			Not detected	5	Not detected	5
p-Isopropyltoluene			Not detected	5	Not detected	5
sec-Butylbenzene			9	5	Not detected	5
tert-Butylbenzene			Not detected	5	Not detected	5
Toluene			Not detected	5	Not detected	5

**YORK**



Client Sample ID			MW-1		MW-2	
York Sample ID			06070674-01		06070674-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	50.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	50.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	50.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	50.0	Not detected	5.0
2,4-Dinitrotoluene			Not detected	50.0	Not detected	5.0
2,6-Dinitrotoluene			Not detected	50.0	Not detected	5.0
2-Chloronaphthalene			Not detected	50.0	Not detected	5.0
2-Methylnaphthalene			Not detected	50.0	Not detected	5.0
2-Nitroaniline			Not detected	50.0	Not detected	5.0
3,3'-Dichlorobenzidine			Not detected	50.0	Not detected	5.0
3-Nitroaniline			Not detected	50.0	Not detected	5.0
4-Bromophenyl phenyl ether			Not detected	50.0	Not detected	5.0
4-Chloroaniline			Not detected	50.0	Not detected	5.0
4-Chlorophenyl phenyl ether			Not detected	50.0	Not detected	5.0
4-Nitroaniline			Not detected	50.0	Not detected	5.0
Acenaphthene			Not detected	50.0	Not detected	5.0
Acenaphthylene			Not detected	50.0	Not detected	5.0
Anthracene			Not detected	50.0	Not detected	5.0
Benzo(a)anthracene			Not detected	50.0	Not detected	5.0
Benzo(a)pyrene			Not detected	50.0	Not detected	5.0
Benzo(b)fluoranthene			Not detected	50.0	Not detected	5.0
Benzo(g,h,i)perylene			Not detected	50.0	Not detected	5.0
Benzo(k)fluoranthene			Not detected	50.0	Not detected	5.0
Bis(2-chloroethoxy)methane			Not detected	50.0	Not detected	5.0
Bis(2-chloroethyl)ether			Not detected	50.0	Not detected	5.0
Bis(2-chloroisopropyl)ether			Not detected	50.0	Not detected	5.0
Bis(2-ethylhexyl)phthalate			Not detected	50.0	Not detected	5.0
Butyl benzyl phthalate			Not detected	50.0	60	5.0
Carbazole			Not detected	50.0	Not detected	5.0
Chrysene			Not detected	50.0	Not detected	5.0
Dibenzo(a,h)anthracene			Not detected	50.0	Not detected	5.0
Dibenzofuran			Not detected	50.0	Not detected	5.0
Diethylphthalate			Not detected	50.0	Not detected	5.0
Dimethylphthalate			Not detected	50.0	Not detected	5.0
Di-n-butylphthalate			Not detected	50.0	Not detected	5.0
Di-n-octylphthalate			Not detected	50.0	Not detected	5.0
Fluoranthene			Not detected	50.0	Not detected	5.0
Fluorene			75	50.0	Not detected	5.0
Hexachlorobenzene			Not detected	50.0	Not detected	5.0
Hexachlorobutadiene			Not detected	50.0	Not detected	5.0
Hexachlorocyclopentadiene			Not detected	50.0	Not detected	5.0
Hexachloroethane			Not detected	50.0	Not detected	5.0
Indeno(1,2,3-cd)pyrene			Not detected	50.0	Not detected	5.0
Isophorone			Not detected	50.0	Not detected	5.0
Naphthalene			99	50.0	Not detected	5.0
Nitrobenzene			Not detected	50.0	Not detected	5.0
N-Nitrosodi-n-propylamine			Not detected	50.0	Not detected	5.0
N-Nitrosodiphenylamine			Not detected	50.0	Not detected	5.0
Phenanthrene			110	50.0	Not detected	5.0
Pyrene			Not detected	50.0	Not detected	5.0

**YORK**

Client Sample ID			MW-3		MW-4	
York Sample ID			06070674-03		06070674-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-STARs List	SW846-8260	ug/L	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	5	PENDING	5
1,3,5-Trimethylbenzene			Not detected	5	PENDING	5
Benzene			Not detected	1	PENDING	1
Ethylbenzene			Not detected	5	PENDING	5
Isopropylbenzene			Not detected	5	PENDING	5
Methyl-tert-butyl ether			Not detected	5	PENDING	5
Naphthalene			Not detected	5	PENDING	5
n-Butylbenzene			Not detected	5	PENDING	5
n-Propylbenzene			Not detected	5	PENDING	5
o-Xylene			Not detected	5	PENDING	5
p- & m- Xylenes			Not detected	5	PENDING	5
p-Isopropyltoluene			Not detected	5	PENDING	5
sec-Butylbenzene			Not detected	5	PENDING	5
tert-Butylbenzene			Not detected	5	PENDING	5
Toluene			Not detected	5	PENDING	5
Base/Neutral Extractables water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	12500
1,2-Dichlorobenzene			Not detected	5.0	Not detected	12500
1,3-Dichlorobenzene			Not detected	5.0	Not detected	12500
1,4-Dichlorobenzene			Not detected	5.0	Not detected	12500
2,4-Dinitrotoluene			Not detected	5.0	Not detected	12500
2,6-Dinitrotoluene			Not detected	5.0	Not detected	12500
2-Chloronaphthalene			Not detected	5.0	Not detected	12500
2-Methylnaphthalene			Not detected	5.0	Not detected	12500
2-Nitroaniline			Not detected	5.0	Not detected	12500
3,3'-Dichlorobenzidine			Not detected	5.0	Not detected	12500
3-Nitroaniline			Not detected	5.0	Not detected	12500
4-Bromophenyl phenyl ether			Not detected	5.0	Not detected	12500
4-Chloroaniline			Not detected	5.0	Not detected	12500
4-Chlorophenyl phenyl ether			Not detected	5.0	Not detected	12500
4-Nitroaniline			Not detected	5.0	Not detected	12500
Acenaphthene			Not detected	5.0	Not detected	12500
Acenaphthylene			Not detected	5.0	Not detected	12500
Anthracene			Not detected	5.0	Not detected	12500
Benzo(a)anthracene			Not detected	5.0	Not detected	12500
Benzo(a)pyrene			Not detected	5.0	Not detected	12500
Benzo(b)fluoranthene			Not detected	5.0	Not detected	12500
Benzo(g,h,i)perylene			Not detected	5.0	Not detected	12500
Benzo(k)fluoranthene			Not detected	5.0	Not detected	12500
Bis(2-chloroethoxy)methane			Not detected	5.0	Not detected	12500
Bis(2-chloroethyl)ether			Not detected	5.0	Not detected	12500
Bis(2-chloroisopropyl)ether			Not detected	5.0	Not detected	12500
Bis(2-ethylhexyl)phthalate			31	5.0	120000	12500
Butyl benzyl phthalate			Not detected	5.0	Not detected	12500
Carbazole			Not detected	5.0	Not detected	12500
Chrysene			Not detected	5.0	Not detected	12500
Dibenzo(a,h)anthracene			Not detected	5.0	Not detected	12500
Dibenzofuran			Not detected	5.0	Not detected	12500
Diethylphthalate			Not detected	5.0	Not detected	12500

**YORK**

Client Sample ID			MW-3		MW-4	
York Sample ID			06070674-03		06070674-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Dimethylphthalate			Not detected	5.0	Not detected	12500
Di-n-butylphthalate			Not detected	5.0	Not detected	12500
Di-n-octylphthalate			Not detected	5.0	160000	12500
Fluoranthene			Not detected	5.0	Not detected	12500
Fluorene			Not detected	5.0	Not detected	12500
Hexachlorobenzene			Not detected	5.0	Not detected	12500
Hexachlorobutadiene			Not detected	5.0	Not detected	12500
Hexachlorocyclopentadiene			Not detected	5.0	Not detected	12500
Hexachloroethane			Not detected	5.0	Not detected	12500
Indeno(1,2,3-cd)pyrene			Not detected	5.0	Not detected	12500
Isophorone			Not detected	5.0	Not detected	12500
Naphthalene			Not detected	5.0	Not detected	12500
Nitrobenzene			Not detected	5.0	Not detected	12500
N-Nitrosodi-n-propylamine			Not detected	5.0	Not detected	12500
N-Nitrosodiphenylamine			Not detected	5.0	Not detected	12500
Phenanthrene			Not detected	5.0	Not detected	12500
Pyrene			Not detected	5.0	Not detected	12500

Client Sample ID			MW-5		MW-6	
York Sample ID			06070674-05		06070674-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-STARs List	SW846-8260	ug/L	---	---	---	---
1,2,4-Trimethylbenzene			6	5	11	5
1,3,5-Trimethylbenzene			Not detected	5	Not detected	5
Benzene			Not detected	1	Not detected	1
Ethylbenzene			Not detected	5	Not detected	5
Isopropylbenzene			Not detected	5	Not detected	5
Methyl-tert-butyl ether			Not detected	5	Not detected	5
Naphthalene			8	5	Not detected	5
n-Butylbenzene			Not detected	5	Not detected	5
n-Propylbenzene			Not detected	5	Not detected	5
o-Xylene			Not detected	5	Not detected	5
p- & m- Xylenes			Not detected	5	Not detected	5
p-Isopropyltoluene			Not detected	5	Not detected	5
sec-Butylbenzene			Not detected	5	Not detected	5
tert-Butylbenzene			Not detected	5	Not detected	5
Toluene			Not detected	5	Not detected	5
Base/Neutral Extractables water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	50000	Not detected	250000
1,2-Dichlorobenzene			Not detected	50000	Not detected	250000
1,3-Dichlorobenzene			Not detected	50000	Not detected	250000
1,4-Dichlorobenzene			Not detected	50000	Not detected	250000
2,4-Dinitrotoluene			Not detected	50000	Not detected	250000
2,6-Dinitrotoluene			Not detected	50000	Not detected	250000
2-Chloronaphthalene			Not detected	50000	Not detected	250000
2-Methylnaphthalene			Not detected	50000	Not detected	250000
2-Nitroaniline			Not detected	50000	Not detected	250000
3,3'-Dichlorobenzidine			Not detected	50000	Not detected	250000

**YORK**

Client Sample ID			MW-5		MW-6	
York Sample ID			06070674-05		06070674-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
3-Nitroaniline			Not detected	50000	Not detected	250000
4-Bromophenyl phenyl ether			Not detected	50000	Not detected	250000
4-Chloroaniline			Not detected	50000	Not detected	250000
4-Chlorophenyl phenyl ether			Not detected	50000	Not detected	250000
4-Nitroaniline			Not detected	50000	Not detected	250000
Acenaphthene			Not detected	50000	Not detected	250000
Acenaphthylene			Not detected	50000	Not detected	250000
Anthracene			Not detected	50000	Not detected	250000
Benzo(a)anthracene			Not detected	50000	Not detected	250000
Benzo(a)pyrene			Not detected	50000	Not detected	250000
Benzo(b)fluoranthene			Not detected	50000	Not detected	250000
Benzo(g,h,i)perylene			Not detected	50000	Not detected	250000
Benzo(k)fluoranthene			Not detected	50000	Not detected	250000
Bis(2-chloroethoxy)methane			Not detected	50000	Not detected	250000
Bis(2-chloroethyl)ether			Not detected	50000	Not detected	250000
Bis(2-chloroisopropyl)ether			Not detected	50000	Not detected	250000
Bis(2-ethylhexyl)phthalate			780000	50000	1300000	250000
Butyl benzyl phthalate			Not detected	50000	Not detected	250000
Carbazole			Not detected	50000	Not detected	250000
Chrysene			Not detected	50000	Not detected	250000
Dibenzo(a,h)anthracene			Not detected	50000	Not detected	250000
Dibenzofuran			Not detected	50000	Not detected	250000
Diethylphthalate			Not detected	50000	Not detected	250000
Dimethylphthalate			Not detected	50000	Not detected	250000
Di-n-butylphthalate			Not detected	50000	Not detected	250000
Di-n-octylphthalate			90000	50000	Not detected	250000
Fluoranthene			Not detected	50000	Not detected	250000
Fluorene			Not detected	50000	Not detected	250000
Hexachlorobenzene			Not detected	50000	Not detected	250000
Hexachlorobutadiene			Not detected	50000	Not detected	250000
Hexachlorocyclopentadiene			Not detected	50000	Not detected	250000
Hexachloroethane			Not detected	50000	Not detected	250000
Indeno(1,2,3-cd)pyrene			Not detected	50000	Not detected	250000
Isophorone			Not detected	50000	Not detected	250000
Naphthalene			Not detected	50000	Not detected	250000
Nitrobenzene			Not detected	50000	Not detected	250000
N-Nitrosodi-n-propylamine			Not detected	50000	Not detected	250000
N-Nitrosodiphenylamine			Not detected	50000	Not detected	250000
Phenanthrene			Not detected	50000	Not detected	250000
Pyrene			Not detected	50000	Not detected	250000

Client Sample ID			MW-7		MW-8	
York Sample ID			06070674-07		06070674-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-STARS List	SW846-8260	ug/L	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	5	Not detected	5
1,3,5-Trimethylbenzene			Not detected	5	Not detected	5
Benzene			Not detected	1	Not detected	1

**YORK**

Client Sample ID			MW-7		MW-8	
York Sample ID			06070674-07		06070674-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Ethylbenzene			Not detected	5	Not detected	5
Isopropylbenzene			Not detected	5	Not detected	5
Methyl-tert-butyl ether			Not detected	5	Not detected	5
Naphthalene			Not detected	5	Not detected	5
n-Butylbenzene			Not detected	5	Not detected	5
n-Propylbenzene			Not detected	5	Not detected	5
o-Xylene			Not detected	5	Not detected	5
p- & m- Xylenes			Not detected	5	Not detected	5
p-Isopropyltoluene			Not detected	5	Not detected	5
sec-Butylbenzene			Not detected	5	Not detected	5
tert-Butylbenzene			Not detected	5	Not detected	5
Toluene			Not detected	5	Not detected	5
Base/Neutral Extractables water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	31300	Not detected	5.0
1,2-Dichlorobenzene			Not detected	31300	Not detected	5.0
1,3-Dichlorobenzene			Not detected	31300	Not detected	5.0
1,4-Dichlorobenzene			Not detected	31300	Not detected	5.0
2,4-Dinitrotoluene			Not detected	31300	Not detected	5.0
2,6-Dinitrotoluene			Not detected	31300	Not detected	5.0
2-Chloronaphthalene			Not detected	31300	Not detected	5.0
2-Methylnaphthalene			Not detected	31300	Not detected	5.0
2-Nitroaniline			Not detected	31300	Not detected	5.0
3,3'-Dichlorobenzidine			Not detected	31300	Not detected	5.0
3-Nitroaniline			Not detected	31300	Not detected	5.0
4-Bromophenyl phenyl ether			Not detected	31300	Not detected	5.0
4-Chloroaniline			Not detected	31300	Not detected	5.0
4-Chlorophenyl phenyl ether			Not detected	31300	Not detected	5.0
4-Nitroaniline			Not detected	31300	Not detected	5.0
Acenaphthene			Not detected	31300	Not detected	5.0
Acenaphthylene			Not detected	31300	Not detected	5.0
Anthracene			Not detected	31300	Not detected	5.0
Benzo(a)anthracene			Not detected	31300	Not detected	5.0
Benzo(a)pyrene			Not detected	31300	Not detected	5.0
Benzo(b)fluoranthene			Not detected	31300	Not detected	5.0
Benzo(g,h,i)perylene			Not detected	31300	Not detected	5.0
Benzo(k)fluoranthene			Not detected	31300	Not detected	5.0
Bis(2-chloroethoxy)methane			Not detected	31300	Not detected	5.0
Bis(2-chloroethyl)ether			Not detected	31300	Not detected	5.0
Bis(2-chloroisopropyl)ether			Not detected	31300	Not detected	5.0
Bis(2-ethylhexyl)phthalate			Not detected	31300	Not detected	5.0
Butyl benzyl phthalate			370000	31300	89	5.0
Carbazole			Not detected	31300	Not detected	5.0
Chrysene			Not detected	31300	Not detected	5.0
Dibenzo(a,h)anthracene			Not detected	31300	Not detected	5.0
Dibenzofuran			Not detected	31300	Not detected	5.0
Diethylphthalate			Not detected	31300	Not detected	5.0
Dimethylphthalate			Not detected	31300	Not detected	5.0
Di-n-butylphthalate			Not detected	31300	Not detected	5.0
Di-n-octylphthalate			Not detected	31300	Not detected	5.0
Fluoranthene			Not detected	31300	Not detected	5.0
Fluorene			Not detected	31300	Not detected	5.0

**YORK**

Client Sample ID			MW-7		MW-8	
York Sample ID			06070674-07		06070674-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Hexachlorobenzene			Not detected	31300	Not detected	5.0
Hexachlorobutadiene			Not detected	31300	Not detected	5.0
Hexachlorocyclopentadiene			Not detected	31300	Not detected	5.0
Hexachloroethane			Not detected	31300	Not detected	5.0
Indeno(1,2,3-cd)pyrene			Not detected	31300	Not detected	5.0
Isophorone			Not detected	31300	Not detected	5.0
Naphthalene			Not detected	31300	Not detected	5.0
Nitrobenzene			Not detected	31300	Not detected	5.0
N-Nitrosodi-n-propylamine			Not detected	31300	Not detected	5.0
N-Nitrosodiphenylamine			Not detected	31300	Not detected	5.0
Phenanthrene			Not detected	31300	Not detected	5.0
Pyrene			Not detected	31300	Not detected	5.0

Client Sample ID			MW-9		MW-10	
York Sample ID			06070674-09		06070674-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
<b>Volatiles-STARS List</b>	SW846-8260	ug/L	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	5	Not detected	5
1,3,5-Trimethylbenzene			Not detected	5	Not detected	5
Benzene			Not detected	1	Not detected	1
Ethylbenzene			11	5	Not detected	5
Isopropylbenzene			8	5	Not detected	5
Methyl-tert-butyl ether			Not detected	5	Not detected	5
Naphthalene			71	5	Not detected	5
n-Butylbenzene			6	5	Not detected	5
n-Propylbenzene			10	5	Not detected	5
o-Xylene			Not detected	5	Not detected	5
p- & m- Xylenes			11	5	Not detected	5
p-Isopropyltoluene			Not detected	5	Not detected	5
sec-Butylbenzene			Not detected	5	Not detected	5
tert-Butylbenzene			Not detected	5	Not detected	5
Toluene			Not detected	5	Not detected	5
<b>Base/Neutral Extractables water</b>	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	50.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	50.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	50.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	50.0	Not detected	5.0
2,4-Dinitrotoluene			Not detected	50.0	Not detected	5.0
2,6-Dinitrotoluene			Not detected	50.0	Not detected	5.0
2-Chloronaphthalene			Not detected	50.0	Not detected	5.0
2-Methylnaphthalene			Not detected	50.0	Not detected	5.0
2-Nitroaniline			Not detected	50.0	Not detected	5.0
3,3'-Dichlorobenzidine			Not detected	50.0	Not detected	5.0
3-Nitroaniline			Not detected	50.0	Not detected	5.0
4-Bromophenyl phenyl ether			Not detected	50.0	Not detected	5.0
4-Chloroaniline			Not detected	50.0	Not detected	5.0
4-Chlorophenyl phenyl ether			Not detected	50.0	Not detected	5.0
4-Nitroaniline			Not detected	50.0	Not detected	5.0

**YORK**

Client Sample ID			MW-9		MW-10	
York Sample ID			06070674-09		06070674-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Acenaphthene			Not detected	50.0	Not detected	5.0
Acenaphthylene			Not detected	50.0	Not detected	5.0
Anthracene			Not detected	50.0	Not detected	5.0
Benzo(a)anthracene			Not detected	50.0	Not detected	5.0
Benzo(a)pyrene			Not detected	50.0	Not detected	5.0
Benzo(b)fluoranthene			Not detected	50.0	Not detected	5.0
Benzo(g,h,i)perylene			Not detected	50.0	Not detected	5.0
Benzo(k)fluoranthene			Not detected	50.0	Not detected	5.0
Bis(2-chloroethoxy)methane			Not detected	50.0	Not detected	5.0
Bis(2-chloroethyl)ether			Not detected	50.0	Not detected	5.0
Bis(2-chloroisopropyl)ether			Not detected	50.0	Not detected	5.0
Bis(2-ethylhexyl)phthalate			Not detected	50.0	Not detected	5.0
Butyl benzyl phthalate			Not detected	50.0	6	5.0
Carbazole			Not detected	50.0	Not detected	5.0
Chrysene			Not detected	50.0	Not detected	5.0
Dibenzo(a,h)anthracene			Not detected	50.0	Not detected	5.0
Dibenzofuran			Not detected	50.0	Not detected	5.0
Diethylphthalate			Not detected	50.0	Not detected	5.0
Dimethylphthalate			Not detected	50.0	Not detected	5.0
Di-n-butylphthalate			Not detected	50.0	Not detected	5.0
Di-n-octylphthalate			Not detected	50.0	Not detected	5.0
Fluoranthene			Not detected	50.0	Not detected	5.0
Fluorene			Not detected	50.0	Not detected	5.0
Hexachlorobenzene			Not detected	50.0	Not detected	5.0
Hexachlorobutadiene			Not detected	50.0	Not detected	5.0
Hexachlorocyclopentadiene			Not detected	50.0	Not detected	5.0
Hexachloroethane			Not detected	50.0	Not detected	5.0
Indeno(1,2,3-cd)pyrene			Not detected	50.0	Not detected	5.0
Isophorone			Not detected	50.0	Not detected	5.0
Naphthalene			Not detected	50.0	Not detected	5.0
Nitrobenzene			Not detected	50.0	Not detected	5.0
N-Nitrosodi-n-propylamine			Not detected	50.0	Not detected	5.0
N-Nitrosodiphenylamine			Not detected	50.0	Not detected	5.0
Phenanthrene			Not detected	50.0	Not detected	5.0
Pyrene			Not detected	50.0	Not detected	5.0

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**YORK**

Report Date: 8/3/2006  
Client Project ID: 49 Dupont St.  
York Project No.: 06070674

**Notes for York Project No. 06070674**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

Robert Q. Bradley  
Managing Director

Date: 8/3/2006

**YORK**



## Field Chain-of-Custody Record

[illegible]

[illegible]



# Technical Report

prepared for

**Advanced Site Restoration  
62 William St.  
New York, NY 10005  
Attention: Steve Muller**

Report Date: 9/27/2006  
***Re: Client Project ID: 49 Dupont St, Bklyn***  
York Project No.: 06090661

CT License No. PH-0723

New York License No. 10854



Report Date: 9/27/2006  
 Client Project ID: 49 Dupont St., Bklyn  
 York Project No.: 06090661

**Advanced Site Restoration**  
 62 William St.  
 New York, NY 10005  
 Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/19/06. The project was identified as your project "49 Dupont St., Bklyn".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-11		MW-12	
York Sample ID			06090661-01		06090661-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-STARs List	SW846-8260	ug/L	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	5	Not detected	5
1,3,5-Trimethylbenzene			Not detected	5	Not detected	5
Benzene			Not detected	1	Not detected	1
Ethylbenzene			Not detected	5	Not detected	5
Isopropylbenzene			Not detected	5	Not detected	5
Methyl-tert-butyl ether			Not detected	5	Not detected	5
Naphthalene			Not detected	5	8	5
n-Butylbenzene			Not detected	5	Not detected	5
n-Propylbenzene			Not detected	5	Not detected	5
o-Xylene			Not detected	5	Not detected	5
p- & m- Xylenes			Not detected	5	Not detected	5
p-Isopropyltoluene			Not detected	5	Not detected	5
sec-Butylbenzene			Not detected	5	Not detected	5
tert-Butylbenzene			Not detected	5	Not detected	5
Toluene			Not detected	5	Not detected	5

**YORK**

Client Sample ID			MW-11		MW-12	
York Sample ID			06090661-01		06090661-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,4-Dinitrotoluene			Not detected	5.0	Not detected	5.0
2,6-Dinitrotoluene			Not detected	5.0	Not detected	5.0
2-Chloronaphthalene			Not detected	5.0	Not detected	5.0
2-Methylnaphthalene			Not detected	5.0	Not detected	5.0
2-Nitroaniline			Not detected	5.0	Not detected	5.0
3,3'-Dichlorobenzidine			Not detected	5.0	Not detected	5.0
3-Nitroaniline			Not detected	5.0	Not detected	5.0
4-Bromophenyl phenyl ether			Not detected	5.0	Not detected	5.0
4-Chloroaniline			Not detected	5.0	Not detected	5.0
4-Chlorophenyl phenyl ether			Not detected	5.0	Not detected	5.0
4-Nitroaniline			Not detected	5.0	Not detected	5.0
Acenaphthene			Not detected	5.0	Not detected	5.0
Acenaphthylene			Not detected	5.0	Not detected	5.0
Anthracene			Not detected	5.0	Not detected	5.0
Benzo(a)anthracene			Not detected	5.0	Not detected	5.0
Benzo(a)pyrene			Not detected	5.0	Not detected	5.0
Benzo(b)fluoranthene			Not detected	5.0	Not detected	5.0
Benzo(g,h,i)perylene			Not detected	5.0	Not detected	5.0
Benzo(k)fluoranthene			Not detected	5.0	Not detected	5.0
Bis(2-chloroethoxy)methane			Not detected	5.0	Not detected	5.0
Bis(2-chloroethyl)ether			Not detected	5.0	Not detected	5.0
Bis(2-chloroisopropyl)ether			Not detected	5.0	Not detected	5.0
Bis(2-ethylhexyl)phthalate			Not detected	5.0	17	5.0
Butyl benzyl phthalate			Not detected	5.0	Not detected	5.0
Carbazole			Not detected	5.0	Not detected	5.0
Chrysene			Not detected	5.0	Not detected	5.0
Dibenzo(a,h)anthracene			Not detected	5.0	Not detected	5.0
Dibenzofuran			Not detected	5.0	Not detected	5.0
Diethylphthalate			Not detected	5.0	Not detected	5.0
Dimethylphthalate			Not detected	5.0	Not detected	5.0
Di-n-butylphthalate			Not detected	5.0	Not detected	5.0
Di-n-octylphthalate			Not detected	5.0	Not detected	5.0
Fluoranthene			Not detected	5.0	Not detected	5.0
Fluorene			Not detected	5.0	Not detected	5.0
Hexachlorobenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Hexachlorocyclopentadiene			Not detected	5.0	Not detected	5.0
Hexachloroethane			Not detected	5.0	Not detected	5.0
Indeno(1,2,3-cd)pyrene			Not detected	5.0	Not detected	5.0
Isophorone			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
Nitrobenzene			Not detected	5.0	Not detected	5.0
N-Nitrosodi-n-propylamine			Not detected	5.0	Not detected	5.0
N-Nitrosodiphenylamine			Not detected	5.0	Not detected	5.0
Phenanthrene			Not detected	5.0	Not detected	5.0
Pyrene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			MW-13		MW-14	
York Sample ID			06090661-03		06090661-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-STARs List	SW846-8260	ug/L	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	5	Not detected	5
1,3,5-Trimethylbenzene			Not detected	5	Not detected	5
Benzene			Not detected	1	Not detected	1
Ethylbenzene			Not detected	5	Not detected	5
Isopropylbenzene			Not detected	5	Not detected	5
Methyl-tert-butyl ether			Not detected	5	Not detected	5
Naphthalene			Not detected	5	Not detected	5
n-Butylbenzene			Not detected	5	Not detected	5
n-Propylbenzene			Not detected	5	Not detected	5
o-Xylene			Not detected	5	Not detected	5
p- & m- Xylenes			Not detected	5	Not detected	5
p-Isopropyltoluene			Not detected	5	Not detected	5
sec-Butylbenzene			Not detected	5	Not detected	5
tert-Butylbenzene			Not detected	5	Not detected	5
Toluene			Not detected	5	Not detected	5
Base/Neutral Extractables water	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.25
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.25
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.25
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.25
2,4-Dinitrotoluene			Not detected	5.0	Not detected	5.25
2,6-Dinitrotoluene			Not detected	5.0	Not detected	5.25
2-Chloronaphthalene			Not detected	5.0	Not detected	5.25
2-Methylnaphthalene			Not detected	5.0	Not detected	5.25
2-Nitroaniline			Not detected	5.0	Not detected	5.25
3,3'-Dichlorobenzidine			Not detected	5.0	Not detected	5.25
3-Nitroaniline			Not detected	5.0	Not detected	5.25
4-Bromophenyl phenyl ether			Not detected	5.0	Not detected	5.25
4-Chloroaniline			Not detected	5.0	Not detected	5.25
4-Chlorophenyl phenyl ether			Not detected	5.0	Not detected	5.25
4-Nitroaniline			Not detected	5.0	Not detected	5.25
Acenaphthene			Not detected	5.0	Not detected	5.25
Acenaphthylene			Not detected	5.0	Not detected	5.25
Anthracene			Not detected	5.0	Not detected	5.25
Benzo(a)anthracene			Not detected	5.0	Not detected	5.25
Benzo(a)pyrene			Not detected	5.0	Not detected	5.25
Benzo(b)fluoranthene			Not detected	5.0	Not detected	5.25
Benzo(g,h,i)perylene			Not detected	5.0	Not detected	5.25
Benzo(k)fluoranthene			Not detected	5.0	Not detected	5.25
Bis(2-chloroethoxy)methane			Not detected	5.0	Not detected	5.25
Bis(2-chloroethyl)ether			Not detected	5.0	Not detected	5.25
Bis(2-chloroisopropyl)ether			Not detected	5.0	Not detected	5.25
Bis(2-ethylhexyl)phthalate			Not detected	5.0	Not detected	5.25
Butyl benzyl phthalate			Not detected	5.0	Not detected	5.25
Carbazole			Not detected	5.0	Not detected	5.25
Chrysene			Not detected	5.0	Not detected	5.25
Dibenzo(a,h)anthracene			Not detected	5.0	Not detected	5.25
Dibenzofuran			Not detected	5.0	Not detected	5.25

**YORK**

Client Sample ID			MW-13		MW-14	
York Sample ID			06090661-03		06090661-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Diethylphthalate			Not detected	5.0	Not detected	5.25
Dimethylphthalate			Not detected	5.0	Not detected	5.25
Di-n-butylphthalate			Not detected	5.0	Not detected	5.25
Di-n-octylphthalate			Not detected	5.0	Not detected	5.25
Fluoranthene			Not detected	5.0	Not detected	5.25
Fluorene			Not detected	5.0	Not detected	5.25
Hexachlorobenzene			Not detected	5.0	Not detected	5.25
Hexachlorobutadiene			Not detected	5.0	Not detected	5.25
Hexachlorocyclopentadiene			Not detected	5.0	Not detected	5.25
Hexachloroethane			Not detected	5.0	Not detected	5.25
Indeno(1,2,3-cd)pyrene			Not detected	5.0	Not detected	5.25
Isophorone			Not detected	5.0	Not detected	5.25
Naphthalene			Not detected	5.0	Not detected	5.25
Nitrobenzene			Not detected	5.0	Not detected	5.25
N-Nitrosodi-n-propylamine			Not detected	5.0	Not detected	5.25
N-Nitrosodiphenylamine			Not detected	5.0	Not detected	5.25
Phenanthrene			Not detected	5.0	Not detected	5.25
Pyrene			Not detected	5.0	Not detected	5.25

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 06090661**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

Robert Q. Bradley  
Managing Director

Date: 9/27/2006

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

Page 1 of 1

Company Name <u>Advanced Scientific Research</u>	Report To: <u>Steve M</u>	Invoice To: <u>ASR</u>	Project ID/No. <u>49 Dupont St Bklyn</u>	Samples Collected By (Signature) <u>[Signature]</u>	Name (Printed) <u>Anthony Accardo</u>
---	------------------------------	---------------------------	---	--	--

Sample No.	Location/ID	Date Sampled	Sample Matrix			ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air		
	<u>MW-11</u>	<u>9/18</u>	<u>X</u>			<u>8270 BN</u>	<u>1 Amber</u>
	<u>MW-11</u>	<u>/</u>	<u>X</u>			<u>8260 STGS</u>	<u>2 vials</u>
	<u>MW-12</u>	<u>/</u>	<u>X</u>			<u>8270 BN</u>	<u>1 Amber</u>
	<u>MW-12</u>	<u>/</u>	<u>X</u>			<u>8260 STGS</u>	<u>2 vials</u>
	<u>MW-13</u>	<u>/</u>	<u>X</u>			<u>8270 BN</u>	<u>1 Amber</u>
	<u>MW-13</u>	<u>/</u>	<u>X</u>			<u>8260 STGS</u>	<u>2 vials</u>
	<u>MW-14</u>	<u>/</u>	<u>X</u>			<u>8270 BN</u>	<u>1 Amber</u>
	<u>MW-14</u>	<u>/</u>	<u>X</u>			<u>8260 STGS</u>	<u>2 vials</u>

### Chain-of-Custody Record

Bottles Relinquished from Lab by <u>[Signature]</u>	Date/Time <u>9/18/06</u>	Sample Relinquished by <u>[Signature]</u>	Date/Time <u>9/18/06</u>	Sample Received by <u>[Signature]</u>	Date/Time <u>9/19 3:12</u>
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	Date/Time

### Comments/Special Instructions

4.2.c Turn-Around Time Standard RUSH(define) \_\_\_\_\_



**YORK**  
ANALYTICAL LABORATORIES, INC.

# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 8/1/2006  
*Re: Client Project ID: 49 Dupont St., Brooklyn, NY*  
York Project No.: 06070673

CT License No. PH-0723

New York License No. 10854



Report Date: 8/1/2006  
Client Project ID: 49 Dupont St., Brooklyn, NY  
York Project No.: 06070673

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/25/06. The project was identified as your project "49 Dupont St., Brooklyn, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			5-10' ASR-11		10-15' ASR-11	
York Sample ID			06070673-01		06070673-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
Benzene			Not detected	2.0	Not detected	2.0
Ethylbenzene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methyl-tert-butyl ether			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m- Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10
sec-Butylbenzene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10

**YORK**

Client Sample ID			5-10' ASR-11		10-15' ASR-11	
York Sample ID			06070673-01		06070673-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	190	165

**YORK**

<b>Client Sample ID</b>			<b>ASR-11</b>	
<b>York Sample ID</b>			<b>06070673-03</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles-STARs List</b>	SW846-8260	ug/L	---	---
1,2,4-Trimethylbenzene			Not detected	5
1,3,5-Trimethylbenzene			Not detected	5
Benzene			2	1
Ethylbenzene			Not detected	5
Isopropylbenzene			Not detected	5
Methyl-tert-butyl ether			Not detected	5
Naphthalene			Not detected	5
n-Butylbenzene			Not detected	5
n-Propylbenzene			Not detected	5
o-Xylene			Not detected	5
p- & m- Xylenes			Not detected	5
p-Isopropyltoluene			Not detected	5
sec-Butylbenzene			Not detected	5
tert-Butylbenzene			Not detected	5
Toluene			Not detected	5
<b>Base/Neutral Extractables water</b>	SW846-8270	ug/L	---	---
1,2,4-Trichlorobenzene			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
2,4-Dinitrotoluene			Not detected	5.0
2,6-Dinitrotoluene			Not detected	5.0
2-Chloronaphthalene			Not detected	5.0
2-Methylnaphthalene			Not detected	5.0
2-Nitroaniline			Not detected	5.0
3,3'-Dichlorobenzidine			Not detected	5.0
3-Nitroaniline			Not detected	5.0
4-Bromophenyl phenyl ether			Not detected	5.0
4-Chloroaniline			Not detected	5.0
4-Chlorophenyl phenyl ether			Not detected	5.0
4-Nitroaniline			Not detected	5.0
Acenaphthene			Not detected	5.0
Acenaphthylene			Not detected	5.0
Anthracene			Not detected	5.0
Benzo(a)anthracene			Not detected	5.0
Benzo(a)pyrene			Not detected	5.0
Benzo(b)fluoranthene			Not detected	5.0
Benzo(g,h,i)perylene			Not detected	5.0
Benzo(k)fluoranthene			Not detected	5.0
Bis(2-chloroethoxy)methane			Not detected	5.0
Bis(2-chloroethyl)ether			Not detected	5.0
Bis(2-chloroisopropyl)ether			Not detected	5.0
Bis(2-ethylhexyl)phthalate			18	5.0
Butyl benzyl phthalate			Not detected	5.0
Carbazole			Not detected	5.0
Chrysene			Not detected	5.0
Dibenzo(a,h)anthracene			Not detected	5.0
Dibenzofuran			Not detected	5.0

**YORK**

Client Sample ID			ASR-11	
York Sample ID			06070673-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Diethylphthalate			Not detected	5.0
Dimethylphthalate			Not detected	5.0
Di-n-butylphthalate			Not detected	5.0
Di-n-octylphthalate			Not detected	5.0
Fluoranthene			Not detected	5.0
Fluorene			Not detected	5.0
Hexachlorobenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Hexachlorocyclopentadiene			Not detected	5.0
Hexachloroethane			Not detected	5.0
Indeno(1,2,3-cd)pyrene			Not detected	5.0
Isophorone			Not detected	5.0
Naphthalene			Not detected	5.0
Nitrobenzene			Not detected	5.0
N-Nitrosodi-n-propylamine			Not detected	5.0
N-Nitrosodiphenylamine			Not detected	5.0
Phenanthrene			Not detected	5.0
Pyrene			Not detected	5.0

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**Notes for York Project No. 06070673**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

Robert Q. Bradley  
Managing Director

Date: 8/1/2006

**YORK**



**YORK**  
**ANALYTICAL LABORATORIES, INC.**

# Technical Report

prepared for

**Advanced Site Restoration**  
62 William St.  
New York, NY 10005  
Attention: Steve Muller

Report Date: 8/2/2006  
*Re: Client Project ID: 49 Dupont St., Brooklyn*  
York Project No.: 06070672

CT License No. PH-0723

New York License No. 10854



Report Date: 8/2/2006  
 Client Project ID: 49 Dupont St., Brooklyn  
 York Project No.: 06070672

**Advanced Site Restoration**  
 62 William St.  
 New York, NY 10005  
 Attention: Steve Muller

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 07/25/06. The project was identified as your project "49 Dupont St., Brooklyn".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			5-10' ASR-12		10-15' ASR-12	
York Sample ID			06070672-01		06070672-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10	Not detected	130
1,3,5-Trimethylbenzene			Not detected	10	Not detected	130
Benzene			Not detected	2.0	Not detected	25
Ethylbenzene			Not detected	10	Not detected	130
Isopropylbenzene			Not detected	10	Not detected	130
Methyl-tert-butyl ether			Not detected	10	Not detected	130
Naphthalene			Not detected	10	Not detected	130
n-Butylbenzene			Not detected	10	Not detected	130
n-Propylbenzene			Not detected	10	Not detected	130
o-Xylene			Not detected	10	Not detected	130
p- & m- Xylenes			Not detected	10	Not detected	130
p-Isopropyltoluene			Not detected	10	Not detected	130
sec-Butylbenzene			Not detected	10	Not detected	130
tert-Butylbenzene			Not detected	10	Not detected	130
Toluene			Not detected	10	Not detected	130

**YORK**



Client Sample ID			5-10' ASR-12		10-15' ASR-12	
York Sample ID			06070672-01		06070672-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Base/Neutral Extractables soil	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			Not detected	165	Not detected	165
Benzo(a)anthracene			Not detected	165	Not detected	165
Benzo(a)pyrene			Not detected	165	Not detected	165
Benzo(b)fluoranthene			Not detected	165	Not detected	165
Benzo(g,h,i)perylene			Not detected	165	Not detected	165
Benzo(k)fluoranthene			Not detected	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			Not detected	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			Not detected	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			Not detected	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			Not detected	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			Not detected	165	Not detected	165
Pyrene			Not detected	165	Not detected	165

**YORK**

Client Sample ID			ASR-12	
York Sample ID			06070672-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-STARS List	SW846-8260	ug/L	---	---
1,2,4-Trimethylbenzene			Not detected	500
1,3,5-Trimethylbenzene			Not detected	500
Benzene			Not detected	100
Ethylbenzene			Not detected	500
Isopropylbenzene			Not detected	500
Methyl-tert-butyl ether			Not detected	500
Naphthalene			2300	500
n-Butylbenzene			Not detected	500
n-Propylbenzene			Not detected	500
o-Xylene			Not detected	500
p- & m- Xylenes			Not detected	500
p-Isopropyltoluene			Not detected	500
sec-Butylbenzene			Not detected	500
tert-Butylbenzene			Not detected	500
Toluene			Not detected	500
Base/Neutral Extractables water	SW846-8270	ug/L	---	---
1,2,4-Trichlorobenzene			Not detected	25.0
1,2-Dichlorobenzene			Not detected	25.0
1,3-Dichlorobenzene			Not detected	25.0
1,4-Dichlorobenzene			Not detected	25.0
2,4-Dinitrotoluene			Not detected	25.0
2,6-Dinitrotoluene			Not detected	25.0
2-Chloronaphthalene			Not detected	25.0
2-Methylnaphthalene			210	25.0
2-Nitroaniline			Not detected	25.0
3,3'-Dichlorobenzidine			Not detected	25.0
3-Nitroaniline			Not detected	25.0
4-Bromophenyl phenyl ether			Not detected	25.0
4-Chloroaniline			Not detected	25.0
4-Chlorophenyl phenyl ether			Not detected	25.0
4-Nitroaniline			Not detected	25.0
Acenaphthene			Not detected	25.0
Acenaphthylene			Not detected	25.0
Anthracene			Not detected	25.0
Benzo(a)anthracene			Not detected	25.0
Benzo(a)pyrene			Not detected	25.0
Benzo(b)fluoranthene			Not detected	25.0
Benzo(g,h,i)perylene			Not detected	25.0
Benzo(k)fluoranthene			Not detected	25.0
Bis(2-chloroethoxy)methane			Not detected	25.0
Bis(2-chloroethyl)ether			Not detected	25.0
Bis(2-chloroisopropyl)ether			Not detected	25.0
Bis(2-ethylhexyl)phthalate			Not detected	25.0
Butyl benzyl phthalate			Not detected	25.0
Carbazole			Not detected	25.0
Chrysene			Not detected	25.0
Dibenzo(a,h)anthracene			Not detected	25.0
Dibenzofuran			Not detected	25.0

**YORK**

Client Sample ID			ASR-12	
York Sample ID			06070672-03	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Diethylphthalate			Not detected	25.0
Dimethylphthalate			Not detected	25.0
Di-n-butylphthalate			Not detected	25.0
Di-n-octylphthalate			Not detected	25.0
Fluoranthene			Not detected	25.0
Fluorene			Not detected	25.0
Hexachlorobenzene			Not detected	25.0
Hexachlorobutadiene			Not detected	25.0
Hexachlorocyclopentadiene			Not detected	25.0
Hexachloroethane			Not detected	25.0
Indeno(1,2,3-cd)pyrene			Not detected	25.0
Isophorone			Not detected	25.0
Naphthalene			210	25.0
Nitrobenzene			Not detected	25.0
N-Nitrosodi-n-propylamine			Not detected	25.0
N-Nitrosodiphenylamine			Not detected	25.0
Phenanthrene			Not detected	25.0
Pyrene			Not detected	25.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

#### Notes for York Project No. 06070672

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

Robert Q. Bradley  
Managing Director

Date: 8/2/2006

**YORK**

## Field Chain-of-Custody Record

[illegible]

## **APPENDIX - E**

### **Manifests**



## Land Disposal Restriction & Certification Form

*Please check the appropriate facility:*

<input type="checkbox"/> Michigan Disposal Waste Treatment Plant	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 000 724 831
<input type="checkbox"/> Wayne Disposal, Inc. Site #2 Landfill	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 048 090 633
<input checked="" type="checkbox"/> EQ Detroit, Inc.	1923 Frederick Street, Detroit, MI 48211	EPA ID # MID 980 991 566
<input type="checkbox"/> EQ Resource Recovery, Inc.	36345 Van Born Road, Romulus, MI 48174	EPA ID # MID 060 975 844
<input type="checkbox"/> EQ North Carolina	1005 Investment Blvd, Apex, NC 27502	EPA ID # NCD 982 170 292
<input type="checkbox"/> EQ Florida, Inc.	7202 East 8 <sup>th</sup> Ave, Tampa, FL 33619	EPA ID # FLD 981 932 494

Generator Name: Nu Hart & Company U.S. EPA ID No.: NYD 001468354  
Generator Address: 49-55 DuPont Avenue, Brooklyn, NY 11222  
State Manifest No.: 001293248 Manifest Doc. No.: 001293248

### Instructions

Column 1: Identify all U.S. EPA hazardous waste codes that apply to this waste shipment.  
Column 2: Choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).  
Column 3: Enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 268.49 (c) - soil, or 268.45 - debris.  
Column 4: Enter the letter of the appropriate paragraph from pages 1-2 of this form.  
Column 5: For F001 - F005, F039, D001 - D043, Debris and Contaminated Soil: please enter the Reference Number(s) for any constituents in your waste stream subject to treatment. The Reference Number(s) can be found in the EQ Resource Guide, LDR/UHC Constituent Table.

Manifest Line Item	U.S. EPA Hazardous Waste Code (s)	NWW or WW	Subcategory	How Must the Waste be Managed?	Reference Number(s) of Hazardous Constituents contained in the waste. Complete for F001-F005, F039, D001-D043, Soil and Debris wastes.
11A	U028	NWW	N/A	A	None
11B	U028	NWW	N/A	<del>A</del> S	None
11C					
11D					

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Signature: REP. FOR OWNER Title: REP. FOR OWNER  
Printed Name: E. VALANZ Date: 2/14/07

### How Must the Waste Be Managed?

S. THIS CONTAMINATED SOIL (DOES) / DOES NOT CONTAIN LISTED HAZARDOUS WASTE AND DOES / (DOES NOT) EXHIBIT A CHARACTERISTIC OF HAZARDOUS WASTE AND (S SUBJECT TO) / COMPLIES WITH THE SOIL TREATMENT STANDARDS (CIRCLE ONE)

AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.



## Land Disposal Restriction & Certification Form

Please check the appropriate facility:

<input type="checkbox"/> Michigan Disposal Waste Treatment Plant	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 000 724 831
<input type="checkbox"/> Wayne Disposal, Inc. Site #2 Landfill	49350 N. I-94 Service Drive, Belleville, MI 48111	EPA ID # MID 048 090 633
<input checked="" type="checkbox"/> EQ Detroit, Inc.	1923 Frederick Street, Detroit, MI 48211	EPA ID # MID 980 991 566
<input type="checkbox"/> EQ Resource Recovery, Inc.	36345 Van Born Road, Romulus, MI 48174	EPA ID # MID 060 975 844
<input type="checkbox"/> EQ North Carolina	1005 Investment Blvd, Apex, NC 27502	EPA ID # NCD 982 170 292
<input type="checkbox"/> EQ Florida, Inc.	7202 East 8 <sup>th</sup> Ave, Tampa, FL 33619	EPA ID # FLD 981 932 494

Generator Name: Nu Hart & Company U.S. EPA ID No.: NYD 001468354  
Generator Address: 49-55 DuPont Avenue, Brooklyn, NY 11222  
State Manifest No.: 001293248 Manifest Doc. No.: 001293248

### Instructions

Column 1: Identify all U.S. EPA hazardous waste codes that apply to this waste shipment.

Column 2: Choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).

Column 3: Enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 268.49 (c) -- soil, or 268.45 -- debris.

Column 4: Enter the letter of the appropriate paragraph from pages 1-2 of this form.

Column 5: For F001 - F005, F039, D001 - D043, Debris and Contaminated Soil: please enter the Reference Number(s) for any constituents in your waste stream subject to treatment. The Reference Number(s) can be found in the EQ Resource Guide, LDR/UHC Constituent Table.

Manifest Line Item	U.S. EPA Hazardous Waste Code (s)	NWW or WW	Subcategory	How Must the Waste be Managed?	Reference Number(s) of Hazardous Constituents contained in the waste. Complete for F001-F005, F039, D001-D043, Soil and Debris wastes.
11A	U028	NWW	N/A	A	None
11B	U028	NWW	N/A	<del>A</del> S	None
11C					
11D					

I hereby certify that all information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Signature: REP. FOR OWNER Title: REP. FOR OWNER  
Printed Name: E. Vazquez Date: 2/14/07

### How Must the Waste Be Managed?

S. THIS CONTAMINATED SOIL (DOES) DOES NOT CONTAIN LISTED HAZARDOUS WASTE AND DOES (DOES NOT) EXHIBIT A  
(CIRCLE ONE) CHARACTERISTIC OF HAZARDOUS WASTE AND (IS SUBJECT TO) COMPLIES WITH THE SOIL TREATMENT STANDARDS  
(CIRCLE ONE)

AS PROVIDED BY 268.49(c) OR THE UNIVERSAL TREATMENT STANDARDS. I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Form Approved. OMB No. 2050-0039

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD001468354

2. Page 1 of 1

3. Emergency Response Phone: 518 5800

4. Manifest Tracking Number: 001293018 JJK

5. Generator's Name and Mailing Address: NJ-HART & COMPANY, 145 BAY SHORE RD, DEER PARK, NY 11729

Generator's Phone: 631 586 9444

Generator's Site Address (if different than mailing address): 44-55 DUPONT AVE, BROOKLYN, NY 11222

6. Transporter 1 Company Name: U.S. ENVIRONMENTAL, INC.

U.S. EPA ID Number: PRA 000524041

7. Transporter 2 Company Name:

U.S. EPA ID Number:

8. Designated Facility Name and Site Address: E.I. DUPONT DE NEMOURS, CHARLOTTE WILKS - BAY 130, DEER PARK, NJ 08025

Facility's Phone: 201 540-2773

U.S. EPA ID Number: NJD001385730

9a. HM: 1

9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)): 1. HAZARDOUS WASTE, LIQUID, N.O.S., (ACETONE), 9. UN3092, PGIII, (1102), ERG 171

10. Containers: No. 1, Type TT

11. Total Quantity: 1310

12. Unit Wt/Vol: G

13. Waste Codes: U002

14. Special Handling Instructions and Additional Information: 1) LIT APPROVAL# 0610883, REL 1, B/L 37505

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name: [Signature]

Signature: [Signature]

Month: [Month], Day: [Day], Year: [Year]

16. International Shipments: ☐ Import to U.S., ☐ Export from U.S.

Transporter signature (for exports only): [Signature]

Part of entry/exit: [Signature]

Date leaving U.S.: [Date]

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [Signature]

Signature: [Signature]

Month: [Month], Day: [Day], Year: [Year]

Transporter 2 Printed/Typed Name: [Signature]

Signature: [Signature]

Month: [Month], Day: [Day], Year: [Year]

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity, ☐ Type, ☐ Residue, ☐ Partial Rejection, ☐ Full Rejection

18b. Alternate Facility (or Generator): [Signature]

Manifest Reference Number: [Signature]

U.S. EPA ID Number: [Signature]

Facility's Phone: [Signature]

18c. Signature of Alternate Facility (or Generator): [Signature]

Month: [Month], Day: [Day], Year: [Year]

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems): 1. H109, 2. [Signature], 3. [Signature], 4. [Signature]

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: [Signature]

Signature: [Signature]

Month: [Month], Day: [Day], Year: [Year]



365 Bayshore Road, P.O. Box 786  
Deer Park, NY 11729

365 Bayshore Road, P.O. Box 786  
Deer Park, NY 11729

Generator's Phone: 631 586-9444

6. Transporter 1 Company Name

U.S. EPA ID Number

Freehold Cartage, Inc.

NY0054126164

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

HQ, Detroit, Inc.  
1923 Frederick Street  
Detroit, MI 48211

Facility's Phone: 313-923-0080

MI0980491566

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	1. HQ, Hazardous waste, liquid, n.o.s., (Phthalate), 9, HA3082, PGIII, (U028); HRC#:171	12	DM	750	G	U028		
X	2. Hazardous waste, solid, n.o.s., (Phthalate), 9, HA3077, PGIII, (U028); HRC#:171	3	DM	150	G	U028		
	3. Non-DOT/Non-RCRA Regulated Waste Sludge, (HRCIA Oil Sludge)	53	DM		P	RCMI		
	4.							

14. Special Handling Instructions and Additional Information

1) Approval #: A076264DM/Phthalate Tank Bottom 2) Approval #: A076232DM/Phthalate Soil Cuttings 3) Approval #: A071067DM/HRCIA Oil Sludge

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name

Signature

Month Day Year

REP FOR OWNER E. YAZQUEZ

12/14/07

16. International Shipments

☐ Import to U.S.

☐ Export from U.S.

Port of entry/exit:

Transporter signature (for exports only):

Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

DON Houston

DON Houston

Feb 14 2007

Transporter 2 Printed/Typed Name

Signature

Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space

☐ Quantity

☐ Type

☐ Residue

☐ Partial Rejection

☐ Full Rejection

Manifest Reference Number:

U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)

Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
----	----	----	----

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name

Signature

Month Day Year



## FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010  
(732) 462-1001 • FAX (732) 308-0924BILL OF LADING  
FCI EPA ID NO: NJD054126164

R 46558

114 Schoolground Rd.  
Branford, CT 06405  
Phone: (203) 483-5964  
Fax: (203) 483-5984350 Pigeon Point Road  
New Castle, DE 19720  
Phone: (302) 658-2005  
Fax: (302) 658-6229175 Bartow Mun. Airport  
Bartow, FL 33830  
Phone: (863) 533-4599  
Fax: (863) 533-16135533 Dunham Road  
Maple Heights, OH 44137  
Phone: (330) 835-3473  
Fax: (330) 835-3732108 Monahan Avenue  
Dunmore, PA 18512  
Phone: (570) 342-7232  
Fax: (570) 342-736740 Boulevard St.  
Sumter, SC 29150  
Phone: (803) 773-2611  
Fax: (803) 773-2942

SHIPPER NAME/ADDRESS NU-HART + COMPANY 49-55 DYPONT AVE. Brooklyn, NY 11222		PHONE 631-586-1444		MAYD0011468354	
(AREA CODE)		TRACTOR 775		TRAILER 410	
FCI REP. LOADING (PRINT) Don Houston		PROCEDURE liveload		EQUIP. SPOTTED	
EQUIP. REMOVED		TIME AT SHIPPER 13:30		MILITARY TIME ONLY 15:45	
COMMENTS OR DELAYS AT SHIPPER		EQUIPMENT USED VAN		APPOINTMENT TIME : open	

BROKER		MANIFEST / DOCUMENT NO.										
PO#		WO#										
(X) HM	PROPER U.S. D.O.T. SHIPPING NAME			U.S. D.O.T. HAZARDOUS CLASS	NA/UN/NO.	PACKING GROUP	NO. CONT.	CONT. TYPE	NET QUANTITY	UNIT MEASURE	WASTE NO.	FORM
1	MANIFEST #						68	Dm				
2	001293248 JK											
3												

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER:  
68 total

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

PLEASE PRINT NAME/TITLE REP FOR OWNER E. VAZQUEZ		SHIPPER'S SIGNATURE REP FOR OWNER X <u>Efrain Vazquez</u>		DATE LOADED Feb/ 14 / 2007	
		I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT.		MO. DAY YR.	

CONSIGNEE NAME/ADDRESS EQ Detroit INC. Detroit, MI 48211		PHONE 313-123-0080		MAYD984991568	
(AREA CODE)		TRACTOR 775		TRAILER 410	
FCI REP. UNLOADING (PRINT)		PROCEDURE offload		EQUIP. SPOTTED	
EQUIP. REMOVED		TIME AT CONSIGNEE		MILITARY TIME ONLY	
COMMENTS OR DELAYS AT CONSIGNEE		EQUIPMENT USED VAN		ARRIVAL TIME	
PLEASE PRINT NAME/TITLE		CONSIGNEE SIGNATURE X		DATE UNLOADED	
				MO. DAY YR.	

AR H-0257	MD HWH-167	MO H-1490	OH UPW-0190713-OH	TX 40705
CT CT-HW-307	2001-OPV-2335	ND WH-429	OK UPW-0190713-OH	WI 11602
DE DE-HW-203	ME ME-HWT-47	NH TNH-0047	ONTARIO, CANADA A 840943	WV UPW-0190713-OH
DE-SW-203	ME-WOT-47	NJ S-2265	PA PA-AH-0067	
IL UPW-0190713-OH	MI UPW-0190713-OH	15939	QUEBEC, CANADA QC-6ML-047	
MA MA-294	MN UPW-0190713-OH	NY NJ-113	RI RI-535	

White - FCI Original  
 Yellow - FCI Billing  
 Blue - FCI Office/Customs  
 Green - Retained by TSD  
 Gold - Retained by Generator

R 46558