

Mr. Michael Pintchik  
Cinderella 248, LLC  
c/o Anthony Reitano, Esq.  
Herold Law  
25 Independence Boulevard  
Warren, NJ 07059

ARCADIS U.S., Inc.  
35 Columbia Road  
Branchburg  
New Jersey 08876  
Tel 908.526.1000  
Fax 908.526.7886  
[www.arcadis-us.com](http://www.arcadis-us.com)

Subject:  
Summary of Phase II Investigation Activities  
248 Flatbush Avenue  
Brooklyn, New York

Dear Mr. Pintchik:

Date:  
June 16, 2011

ARCADIS U.S., Inc. (ARCADIS) has prepared this summary letter to document the results of the recent subsurface investigation and sampling activities at the above referenced property (the Site) located in Brooklyn, New York. The activities were completed as outlined in our proposal dated April 6, 2011. The investigation activities were performed based on discussions with environmental counsel, a review of existing environmental reports for the Site, and our experience at other similar sites.

Email:  
[larry.brunt@arcadis-us.com](mailto:larry.brunt@arcadis-us.com)

### **Site Background**

The Site is a one-story commercial building that was constructed sometime between 1888 and 1906, and was previously occupied by a dry cleaning operation, Cinderella Cleaners, for at least 20 years. The Tax Map number for the property is Block 936, Lot 12. According to a 2005 Phase I Environmental Site Assessment (ESA) prepared by Advanced Cleanup Technologies, Inc. (ACT), the New York City Department of Buildings file contains a Property Profile Overview (PPO) of the Site which indicates the building was constructed in 1921. However, a 1906 Sanborn Map reviewed by ARCADIS indicates that a building that matches the current footprint of the Site building was located on Site and was labeled as an "office". An earlier 1888 Sanborn map depicts the Site property as a vacant lot that is labeled as 248 Flatbush Avenue. The building contains a full basement and the footprint of the building is approximately 2,310 square feet which encompasses the entire property. The former dry-cleaning facility that operated at the Site reportedly utilized tetrachloroethene (PCE) as a dry-cleaning solvent. Previous investigation activities performed at the Site in 2005 and 2007 by ACT identified the presence of PCE in the soil, soil gas and groundwater beneath the building.

Our ref:  
BB018192.0000.00002

ACT's 2005 Phase I references a Limited Phase II ESA of the Site on April 5, 2005 which investigated whether a reported historical leak of cooling water from the first floor dry cleaning machine into the basement boiler room had impacted the environmental quality of the Site. Based on the results of the Limited Phase II ESA, ACT concluded that the subsurface soil beneath the boiler room had been impacted by dry cleaning solvents based on elevated PID readings. The impacted soil appeared to be no deeper than 9 feet below the basement floor. Subsequently, ACT installed a soil boring/temporary well point to determine if the groundwater had been impacted beneath the boiler room. Analytical results for the groundwater sample indicated that the volatile organic compound (VOC) tetrachloroethylene (aka "Perc" and "PCE") was detected above regulatory standards at 285 ug/L. Additionally, acetone (3,210 ug/L), cis-1,2-Dichloroethene (5.37 ug/L) were detected above their respective regulatory standards. Chloroform (4.44 ug/L) and trichloroethene (1.2 ug/L) were detected at levels below their respective regulator standards. ACT concluded that due to the low exceedances of regulatory standards the release was limited in extent and the risk of exposure was low due to the dense, silty soils, and considerable depth of the groundwater beneath the Site.

On September 13, 2005, ACT supervised the excavation of contaminated soil from the boiler room to a depth of 5 feet below the basement floor. ACT collected post-excavation samples that resulted in trace levels of VOCs considerably below regulatory standards. Based on the results of the Limited Phase II ESA, ACT concluded that no further remedial action was necessary. At the time of ARCADIS' recent Site inspection, the boiler room and area of excavation was finished with what appeared to be a relatively new concrete floor.

ARCADIS also reviewed Soil Vapor Contamination Figures prepared by ACT in March of 2007. Elevated levels of PCE were detected in soil vapor below several locations in the basement, in particular below the location of the former dry cleaning machine on the first floor. During ARCADIS' recent Phase I ESA Site inspection, staining was observed in this area on the concrete floor.

ARCADIS did not observe evidence of any ASTs at the Site. According to the ACT Phase I ESA dated December 1, 2005, an abandoned AST was located in the southern portion of the basement. The tank formerly provided fuel oil for the former heating equipment. The AST was abandoned at the Site by Action Remediation Inc. (Action) on October 12, 2005. ACT's Phase I includes the Tank Closure Report dated November 29, 2005, which includes documents indicating that a 1,000 gallon aboveground #2 oil storage tank was abandoned at the property; the tank was pumped, cleaned of all product and bottom sludge, made vapor free and rendered useless as per New York City rules and regulations; and 40 gallons of oil/water tank bottoms were removed from the property and properly disposed offsite. ACT's Phase I ESA indicated that no stains, odors, or evidence of spills were identified in the vicinity of the abandoned aboveground storage tank; the fill pipe had been identified

in the sidewalk to the west of the building and was filled with cement; the vent pipe had been removed; and no stains, odors, or evidence of spills were identified in the vicinity of the fill pipe. During ARCADIS' Phase I ESA Site walk, piping was observed that may have been associated with the former AST located in the former AST area. ARCADIS did not observe any evidence of staining or releases in the former AST area.

The building is serviced by municipal water and sewer provided by the City of New York. The building was formerly heated via fuel oil fired heating equipment located in the boiler room of the basement. As discussed above, the heating equipment and associated AST were disconnected and removed from the boiler room and basement. No evidence of staining was identified in the vicinity of the boiler room and or former AST location. No active heating or cooling equipment was identified in the building. Electric is provided to the Site by Con Edison of New York. The Site's solid waste is serviced by the New York City Department of Sanitation. There were no dumpsters located on Site at the time of ARCADIS' Site visit.

The Site is bounded to the east by Flatbush Avenue beyond which are residential and retail properties. The Site is bounded to the south by the Eastern Parkway Project's Resident Engineer's Field Office beyond which are retail stores. The Site is bounded to the west by a courtyard that is utilized as an outdoor dining area for a restaurant. The Site is bounded to the north by Taro Sushi, a liquor store, and the Flatbush Farm restaurant beyond which is St. Marks Avenue. The facilities to the north appeared to have residential apartments located on the floors above the businesses.

A Site Location Map is attached as Figure 1.

## **Phase II Investigation**

### ***Soil Sampling Activities***

To evaluate the conditions at the Site and potential impacts from the former dry cleaning operations, ARCADIS performed a limited Phase II subsurface investigation including soil and groundwater sampling on April 13 and 14, 2011 and May 24 and 25, 2011. Based on the information available, ARCADIS installed ten (10) soil borings through the basement floor to assess the potential impacts from the past operations of the dry cleaning equipment. The borings were installed with an electric jack hammer probe device using direct push sampling cores (4-foot macro-cores) with acetate liners. Samples were collected in the vicinity of previous elevated soil vapor samples SV-9 and SV-10, on the eastern and western portions of the basement, and in the center of the basement.

The soils encountered during the soil boring installations consisted of primarily silty fine sands with some fine to coarse gravels and cobbles throughout the Site. Cobbles were encountered in several borings creating refusal for the jack hammer probe. In these instances, one or two alternate boring locations were selected in attempt to reach 12 feet below the basement floor. The borehole depths ranged from 4 to 12 feet below the basement floor. Continuous sampling was performed throughout each boring using 4-foot macro-cores with acetate liners. All recovered soil samples were screened for the presence of volatile organic compounds by using a properly calibrated photoionization detector (PID). For each boring, the soil/sediment type, color, field estimation of moisture content, field instrumentation readings, evidence of soil contamination, sampling intervals, and boring abandonment details were recorded on a boring lithologic log (Attachment 1).

Soil samples were collected from each boring at the depth in the soil column that exhibited the highest PID readings or discoloration/staining/odor or other evidence of impact and from the bottom 0 to 6 inches of the boring. In the absence of elevated PID readings or other evidence of soil impact, a soil sample was collected from the bottom 0 to 6 inches of the boring. Elevated PID readings were observed in several borings. The PID readings ranged from 0 ppm to 5,500 ppm (SB-10). There were no consistent patterns for increases or decreases throughout the borings. The variations may be associated with the silt content of the soil. No evidence of discoloration, staining or odor was observed in any of the soil borings with the exception of a minor black smearing on the macro-core liner in SB-5 from 0.5 to 2 feet below the basement floor. SB-5 was installed directly under the location of the former dry cleaning machine where staining was observed on the concrete floor. Based on the dry cleaning operations, each sample collected was submitted to a NYSDEC certified laboratory for analysis for the presence of volatile organic compounds plus ten peaks (VOC+10).

After the collection of the samples, the borings were backfilled and sealed with concrete. Lithologic logs for each boring are provided in Attachment 1. The locations of the borings are illustrated on Figure 2. A summary of the soil analytical results is provided as Table 1.

In addition to the soil sampling, sediment samples were collected (Pipe 1 and Pipe 2) on April 14, 2011 from the u-shaped sediment trap that was identified during the Phase I Site inspection. The samples were submitted to a NYSDEC certified laboratory for analysis for the presence of volatile organic compounds plus ten peaks (VOC+10). The locations of the samples are illustrated on Figure 2. A summary of the analytical results is provided as Table 3.



### ***Groundwater Sampling Activities***

Following the completion of the soil sampling on April 13 and 14, 2011, SB-7 was converted to a temporary monitoring well (TW-2) for the collection of a groundwater sample for analysis for volatile organic compounds (VOCs). Initially, the borehole was advanced on April 14<sup>th</sup> with the jack hammer probe to a depth of 32 feet where difficult drilling was encountered. The following day a Dingo Track-mounted GeoProbe was utilized to complete the installation of TW-2 to a depth of 56' below the basement floor. Based on access limitations, the GeoProbe was located on the first floor of the building and drilled through an access opening in the wooden floor into the basement. A 1" diameter temporary polyvinyl chloride (PVC) well screen was installed within the borehole to a depth of 54.5 feet below the basement floor. Due to the expedited nature of the project, the groundwater sample was collected on the same day as installation of the temporary PVC monitoring well. Prior to sampling, the depth to water was measured in the well at 52' below the basement floor. Due to the limited quantity of water in the temporary well point, the initial water sample was collected as a grab sample via a dedicated bailer without purging the well. TW-2 was sampled again later (DUP) once additional water had recharged into the well. Both samples TW-2 and DUP were very turbid.

On April 14<sup>th</sup>, ARCADIS also attempted to install another temporary well point, TW-3. Again, the GeoProbe was located on the first floor of the building and drilled through an access opening in the wooden floor into the basement. The Dingo GeoProbe drilled down to 35 feet below the basement floor with 1-1/4" probe rods when refusal was encountered. Due to the difficult drilling conditions encountered (cobbles, rubble, etc.), the un-supported drive rods between the first floor and basement floor bent. This created a break in the rods, and the rods had to be abandoned in the borehole. The borehole was subsequently sealed and the driller demobilized from the Site.

On May 24, 2011, the driller re-mobilized to the Site with a Dingo Track-Mounted GeoProbe specially equipped with a roller bit that could utilize air rotary drilling techniques. Using these techniques, the driller was able to install TW-3 to a depth of 62 feet below the basement floor. Many cobbles and boulders were encountered during the installation of TW-3. A 1" diameter temporary PVC well screen was installed within the borehole to a depth of 61.5 feet below the basement floor. TW-3 was allowed to stabilize until May 25, 2011 when a depth to water was measured in the well at 51.6' below the basement floor. ARCADIS then purged 1.5 gallons of water from TW-3 and collected a groundwater sample (TW-3). After sampling, an additional gallon of water was purged from the well and a duplicate sample (DUP-3) was collected approximately two hours after sample TW-3 was collected. Both samples were fairly clear with only slight turbidity. The samples were collected via dedicated bailers.

On May 25, 2011, another temporary well, TW-1, was installed with the Dingo Track-Mounted GeoProbe utilizing air rotary drilling techniques to a depth of 54 feet below the basement floor. Due to tough drilling conditions and several cobbles and boulders that were encountered, the depth of TW-1 was limited to 54 feet. Based on the limited distance between the bottom of the hole and the depth of water, which was observed at 51.63 feet below the basement floor, a 1" diameter PVC well screen was not installed in TW-1. Rather, the groundwater sample was collected via a dedicated bailer through the drilling rods. Due to the limited amount of water in the temporary well point, the well point was not purged. A grab sample was collected via a dedicated bailer. Following the initial sampling, ARCADIS attempted to purge the well and collect another sample; however, the well went dry and additional sampling was not possible.

Following sampling, the temporary well materials were removed from the boreholes. The boreholes were then backfilled using either native soils and/or a cement-bentonite mix, and filled with concrete to grade.

All samples collected were placed in laboratory cleaned sample jars containing an appropriate preservative, maintained on ice and shipped under strict chain-of-custody procedures for laboratory analysis. The samples were submitted to a NYSDEC certified laboratory for analysis for the presence of volatile organic compounds plus ten peaks (VOC+10).

A summary of the groundwater analytical results is presented in Table 2. The locations of the temporary well points are illustrated on Figure 2.

## ***Summary of Results***

### **Soil Sampling Results**

To evaluate the data, the soil sampling results have been compared to all of New York's Soil Criteria. No VOCs were detected above laboratory detection limits in the soil borings with the exception of PCE, which was detected in five (5) of the borings at concentrations ranging from 0.0026 mg/kg (SB-8B) to 0.18 mg/kg (SB-5B). The detected levels of PCE are well below the most stringent New York State Criteria (New York Unrestricted Use Criteria/New York Groundwater Protection Criteria).

For comparative purposes, the results of the sediment samples (Pipe 1 and Pipe 2) collected from the U-shaped sediment trap also were compared to New York's Soil Criteria. PCE was identified in Pipe 1 at a concentration of 560 mg/kg, which is above all New York Soil Criteria. PCE was not detected in Pipe 2 at a concentration above laboratory detection limits. No other VOCs were detected above laboratory detection limits in Pipe 1 or Pipe 2, with the exception of acetone. Acetone was identified in

Pipe 2 at 0.082 mg/kg which is slightly above the most stringent New York Soil Criteria (New York Unrestricted Use Criteria/New York Groundwater Protection Criteria).

A summary of the soil analytical results is provided in Table 1. A summary of the sediment analytical results is provided in Table 3. The soil boring locations are shown on Figure 2. The laboratory data package is provided as Attachment 2.

### Groundwater Sampling Results

The groundwater sampling results have been compared to the New York Ambient Water Quality Standards (NYAWQS). No VOCs, with the exception of PCE and acetone, were detected above the laboratory detection limits in the groundwater samples. Acetone and chloroform were identified at estimated concentrations below the laboratory detection limits in TW-3 (including its duplicate), and 2-butanone also was detected below the laboratory detection limit in TW-1. The estimated concentrations were well below their respective NYAWQS.

Acetone was detected in TW-2 and its duplicate (DUP) at 17 ug/l and 11 ug/L, respectively. In TW-3 and its duplicate, an estimated concentration of 1.6 ug/l was identified. These concentrations are well below the NYAWQS of 50 ug/L.

PCE was detected in TW-1 at a concentration of 3.9 ug/L which is below the corresponding NYAWQS of 5 ug/L. Analysis of the other groundwater samples identified PCE concentrations exceeding the NYAWQS of 5 ug/L. The analysis of TW-2 and its duplicate (DUP) detected 12 ug/L and 69 ug/L, respectively. The analysis of the groundwater samples from TW-3 and its duplicate (DUP-3) and the re-analysis of DUP-3 identified PCE concentrations of 21 ug/L, 25 ug/L, and 19 ug/L, respectively.

A summary of the groundwater results is provided in Table 2. The temporary well locations are shown on Figure 2. The laboratory data package is provided as Attachment 2.

### **Conclusions and Recommendations**

Based upon the soil sampling results, there are no residual impacts to the subsurface soils from the former dry cleaning operations that need to be addressed. The detected levels of PCE are well below the most stringent New York State Criteria (New York Unrestricted Use Criteria/New York Groundwater Protection Criteria).

During the investigation activities, elevated PID readings (up to 5,000 ppm) were observed in the soil borings indicating a likely soil vapor issue. Previous investigation activities performed in 2007 by ACT identified PCE concentrations in the soil vapor at levels as high as 607 mg/m<sup>3</sup>. According to NYSDOH soil vapor intrusion guidance, a vapor intrusion investigation is required and based on the 2007 data, mitigation will be required. Typical mitigation systems for these types of contaminants consist of sub-slab depressurization systems. Therefore, at this time, we would recommend a vapor intrusion investigation to evaluate the current Site conditions and confirm the previous soil vapor sampling data.

The groundwater sampling identified PCE in two of the three temporary wells at concentrations exceeding the NYAWQS for PCE of 5 ug/L. The highest concentration observed was 69 ug/L in groundwater sample DUP (duplicate of TW-2), which was a very turbid sample. It is possible this concentration was influenced by the turbidity (suspended sediments) of the sample. The remaining samples had PCE concentrations ranging from 3.9 ug/L to 25 ug/L.

During ACT's 2005 excavation and investigation activities, a temporary well point (SB-01A) was instated and sampled. PCE was detected at a concentration of 285 ug/L in this well point. ARCADIS' TW-1 is located approximately 15-20 feet hydraulically cross-gradient (inferred) of ACT's SB-01A. The analysis of sample TW-1 only identified a PCE concentration of 3.9 ug/L. The low level of PCE in TW-1 indicates that natural attenuation is likely occurring since the cessation of the dry cleaning operations. Based on the decreases in PCE concentrations in the groundwater since the cessation of operations and the lack of any residual source material in the soil, we believe natural attenuation would be an appropriate strategy for addressing the groundwater impacts. Additional groundwater monitoring may be required by NYSDEC to support this approach.

The presence of impacts to the groundwater along with the soil vapor issues, in the absence of any residual soil contamination beneath the basement, could also indicate a potential offsite source. ARCADIS' Phase I identified a drycleaner at 287 Flatbush Avenue located approximately 200 feet upgradient on the east side of Flatbush Avenue. The drycleaner at 287 Flatbush Avenue was identified on the Sanborn Fire Insurance Maps dated from 1965 through 1995. Additional site specific file reviews would be recommended to evaluate this site.

The sampling of the sediments in the U-shaped trap identified elevated concentrations of PCE. ARCADIS recommends cleaning the U-shaped trap and associated wastewater lines in the basement prior to future use. During the cleaning, it is recommended that the lines be video inspected to ensure their integrity. If there is any question regarding their integrity, the lines should be replaced. Also, if the trap is not necessary for future use, it should be removed.

If you have questions regarding this information, please give me a call at 908.526.1000, extension 211.

Sincerely,



Lawrence G. Brunt, P.E.  
Principal

LGB/ymt  
Attachments

ARCADIS

TABLES









**Table 3**  
**Sediment Analytical Results Summary**

Cinderella 248 LLC  
248 Flatbush Avenue, Brooklyn, NY  
April 14, 2011

LOCATION		New York	New York	New York	New York	New York	New York			PIPE 1		PIPE 2
SAMPLING DATE		Unrestricted	Commercial	Groundwater	Industrial	Residential	Restricted			4/14/2011		4/14/2011
LAB SAMPLE ID		Use	Soil Criteria	Protection	Soil Criteria	Soil Criteria	Residential			L1105210-20		L1105210-21
SAMPLE TYPE		Criteria	Restricted Use	Criteria	Restricted Use	Restricted Use	Soil Criteria			Sediments		Sediments
SAMPLE DEPTH (ft.)							Restricted Use			PIPE 1		PIPE 2
	CasNum	NY-UNRES	NY-RESC	NY-RESGW	NY-RESI	NY-RESR	NY-RESRR	Units		Q		Q
General Chemistry - Westborough Lab												
Solids, Total	NONE							%	71			65
Volatile Organics by GC/MS - Westborough Lab												
Methylene chloride	75-09-2	0.05	500	0.05	1000	51	100	mg/kg	70	U	0.038	U
1,1-Dichloroethane	75-34-3	0.27	240	0.27	480	19	26	mg/kg	10	U	0.0058	U
Chloroform	67-66-3	0.37	350	0.37	700	10	49	mg/kg	10	U	0.0058	U
Carbon tetrachloride	56-23-5	0.76	22	0.76	44	1.4	2.4	mg/kg	7	U	0.0038	U
1,2-Dichloropropane	78-87-5	NS	NS	NS	NS	NS	NS	mg/kg	25	U	0.013	U
Dibromochloromethane	124-48-1	NS	NS	NS	NS	NS	NS	mg/kg	7	U	0.0038	U
1,1,2-Trichloroethane	79-00-5	NS	NS	NS	NS	NS	NS	mg/kg	10	U	0.0058	U
Tetrachloroethene	127-18-4	1.3	150	1.3	300	5.5	19	mg/kg	560		0.057	
Chlorobenzene	108-90-7	1.1	500	1.1	1000	100	100	mg/kg	7	U	0.0038	U
Trichlorofluoromethane	75-69-4	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
1,2-Dichloroethane	107-06-2	0.02	30	0.02	60	2.3	3.1	mg/kg	7	U	0.0038	U
1,1,1-Trichloroethane	71-55-6	0.68	500	0.68	1000	100	100	mg/kg	7	U	0.0038	U
Bromodichloromethane	75-27-4	NS	NS	NS	NS	NS	NS	mg/kg	7	U	0.0038	U
trans-1,3-Dichloropropene	10061-02-6	NS	NS	NS	NS	NS	NS	mg/kg	7	U	0.0038	U
cis-1,3-Dichloropropene	10061-01-5	NS	NS	NS	NS	NS	NS	mg/kg	7	U	0.0038	U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
Bromoform	75-25-2	NS	NS	NS	NS	NS	NS	mg/kg	28	U	0.015	U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	0.6	NS	NS	NS	mg/kg	7	U	0.0038	U
Benzene	71-43-2	0.06	44	0.06	89	2.9	4.8	mg/kg	7	U	0.0038	U
Toluene	108-88-3	0.7	500	0.7	1000	100	100	mg/kg	10	U	0.0058	U
Ethylbenzene	100-41-4	1	390	1	780	30	41	mg/kg	7	U	0.0038	U
Chloromethane	74-87-3	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
Bromomethane	74-83-9	NS	NS	NS	NS	NS	NS	mg/kg	14	U	0.0077	U
Vinyl chloride	75-01-4	0.02	13	0.02	27	0.21	0.9	mg/kg	14	U	0.0077	U
Chloroethane	75-00-3	NS	NS	1.9	NS	NS	NS	mg/kg	14	U	0.0077	U
1,1-Dichloroethene	75-35-4	0.33	500	0.33	1000	100	100	mg/kg	7	U	0.0038	U
trans-1,2-Dichloroethene	156-60-5	0.19	500	0.19	1000	100	100	mg/kg	10	U	0.0058	U
Trichloroethene	79-01-6	0.47	200	0.47	400	10	21	mg/kg	7	U	0.0038	U
1,2-Dichlorobenzene	95-50-1	1.1	500	1.1	1000	100	100	mg/kg	35	U	0.019	U
1,3-Dichlorobenzene	541-73-1	2.4	280	2.4	560	17	49	mg/kg	35	U	0.019	U
1,4-Dichlorobenzene	106-46-7	1.8	130	1.8	250	9.8	13	mg/kg	35	U	0.019	U
Methyl tert butyl ether	1634-04-4	0.93	500	0.93	1000	62	100	mg/kg	14	U	0.0077	U
p/m-Xylene	106-42-3/108-38-3	NS	NS	NS	NS	NS	NS	mg/kg	14	U	0.0077	U
o-Xylene	95-47-6	NS	NS	NS	NS	NS	NS	mg/kg	14	U	0.0077	U
cis-1,2-Dichloroethene	156-59-2	0.25	500	0.25	1000	59	100	mg/kg	7	U	0.0038	U
Dibromomethane	74-95-3	NS	NS	NS	NS	NS	NS	mg/kg	70	U	0.038	U
Styrene	100-42-5	NS	NS	NS	NS	NS	NS	mg/kg	14	U	0.0077	U
Dichlorodifluoromethane	75-71-8	NS	NS	NS	NS	NS	NS	mg/kg	70	U	0.038	U
Acetone	67-64-1	0.05	500	0.05	1000	100	100	mg/kg	70	U	0.082	
Carbon disulfide	75-15-0	NS	NS	2.7	NS	NS	NS	mg/kg	70	U	0.038	U
2-Butanone	78-93-3	0.12	500	0.12	1000	100	100	mg/kg	70	U	0.038	U
Vinyl acetate	108-05-4	NS	NS	NS	NS	NS	NS	mg/kg	70	U	0.038	U
4-Methyl-2-pentanone	108-10-1	NS	NS	1	NS	NS	NS	mg/kg	70	U	0.038	U
1,2,3-Trichloropropane	96-18-4	NS	NS	0.34	NS	NS	NS	mg/kg	70	U	0.038	U
2-Hexanone	591-78-6	NS	NS	NS	NS	NS	NS	mg/kg	70	U	0.038	U
Bromochloromethane	74-97-5	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
1,2-Dibromoethane	106-93-4	NS	NS	NS	NS	NS	NS	mg/kg	28	U	0.015	U
1,3-Dichloropropane	142-28-9	NS	NS	0.3	NS	NS	NS	mg/kg	35	U	0.019	U
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	NS	NS	mg/kg	7	U	0.0038	U
Bromobenzene	108-86-1	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
n-Butylbenzene	104-51-8	12	500	12	1000	100	100	mg/kg	7	U	0.0038	U
sec-Butylbenzene	135-98-8	11	500	11	1000	100	100	mg/kg	7	U	0.0038	U
tert-Butylbenzene	98-06-6	5.9	500	5.9	1000	100	100	mg/kg	35	U	0.019	U
o-Chlorotoluene	95-49-8	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
p-Chlorotoluene	106-43-4	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
1,2-Dibromo-3-chloropropane	96-12-8	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
Hexachlorobutadiene	87-68-3	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
Isopropylbenzene	98-82-8	NS	NS	2.3	NS	NS	NS	mg/kg	7	U	0.0038	U
p-Isopropyltoluene	99-87-6	NS	NS	10	NS	NS	NS	mg/kg	7	U	0.0038	U
Naphthalene	91-20-3	12	500	12	1000	100	100	mg/kg	35	U	0.019	U
Acrylonitrile	107-13-1	NS	NS	NS	NS	NS	NS	mg/kg	70	U	0.038	U
n-Propylbenzene	103-65-1	3.9	500	3.9	1000	100	100	mg/kg	7	U	0.0038	U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
1,3,5-Trimethylbenzene	108-67-8	8.4	190	8.4	380	47	52	mg/kg	35	U	0.019	U
1,2,4-Trimethylbenzene	95-63-6	3.6	190	3.6	380	47	52	mg/kg	35	U	0.019	U
1,4-Diethylbenzene	105-05-5	NS	NS	NS	NS	NS	NS	mg/kg	28	U	0.015	U
4-Ethyltoluene	622-96-8	NS	NS	NS	NS	NS	NS	mg/kg	28	U	0.015	U
1,2,4,5-Tetramethylbenzene	95-93-2	NS	NS	NS	NS	NS	NS	mg/kg	28	U	0.015	U
Ethyl ether	60-29-7	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U
trans-1,4-Dichloro-2-butene	110-57-6	NS	NS	NS	NS	NS	NS	mg/kg	35	U	0.019	U

Notes:

mg/kg: milligram per kilogram

U: Not detected at the reported detection limit for the compound.

NS: No standard established for this compound.

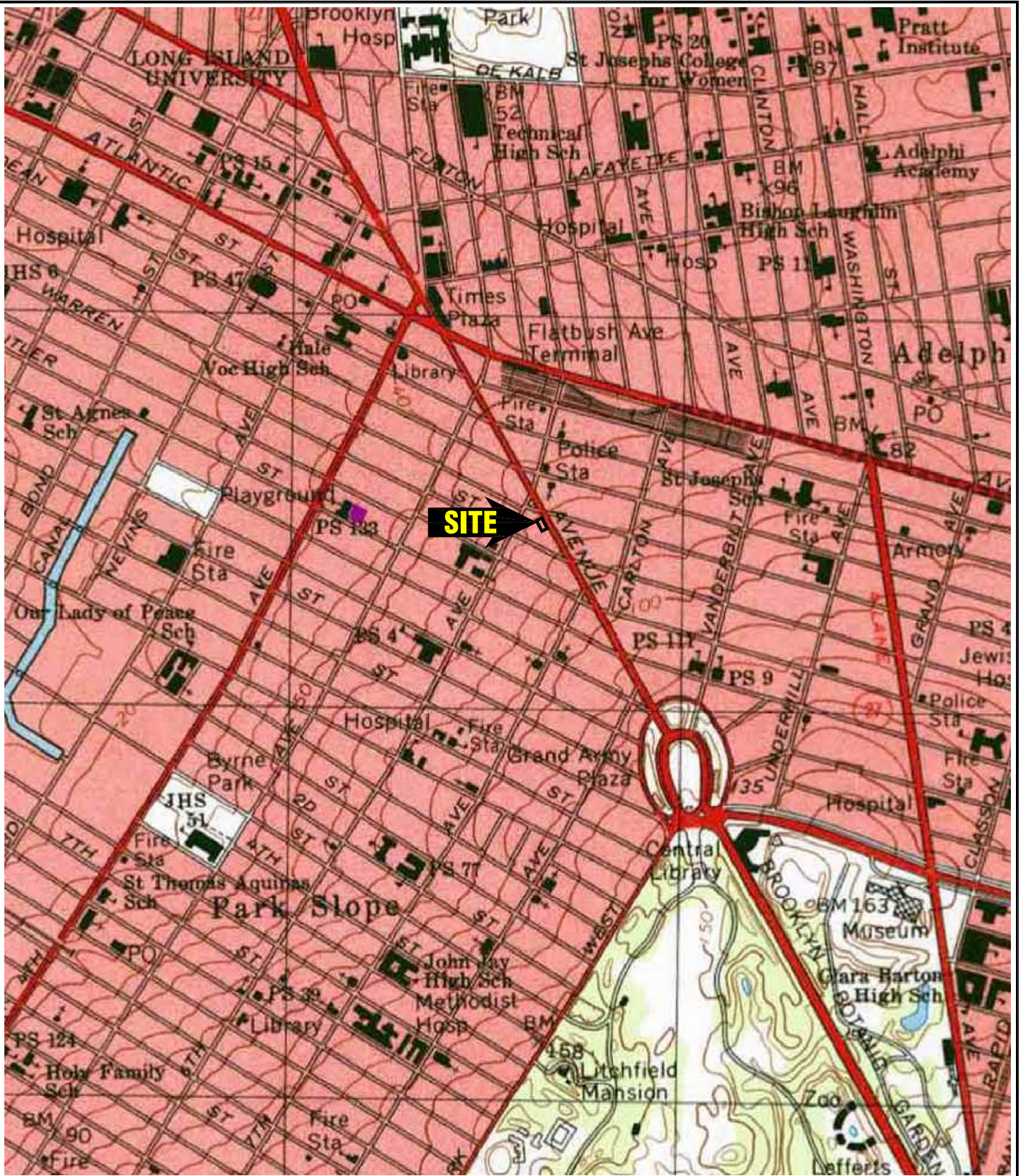
Concentration exceeds a NYSDEC standard.

\*The NYSDEC Soil Criteria are provided only for a basis of comparison.

ARCADIS

FIGURES





**SITE**



QUADRANGLE: BROOKLYN  
DATED: 1995

248 FLATBUSH AVENUE  
BROOKLYN, NEW YORK

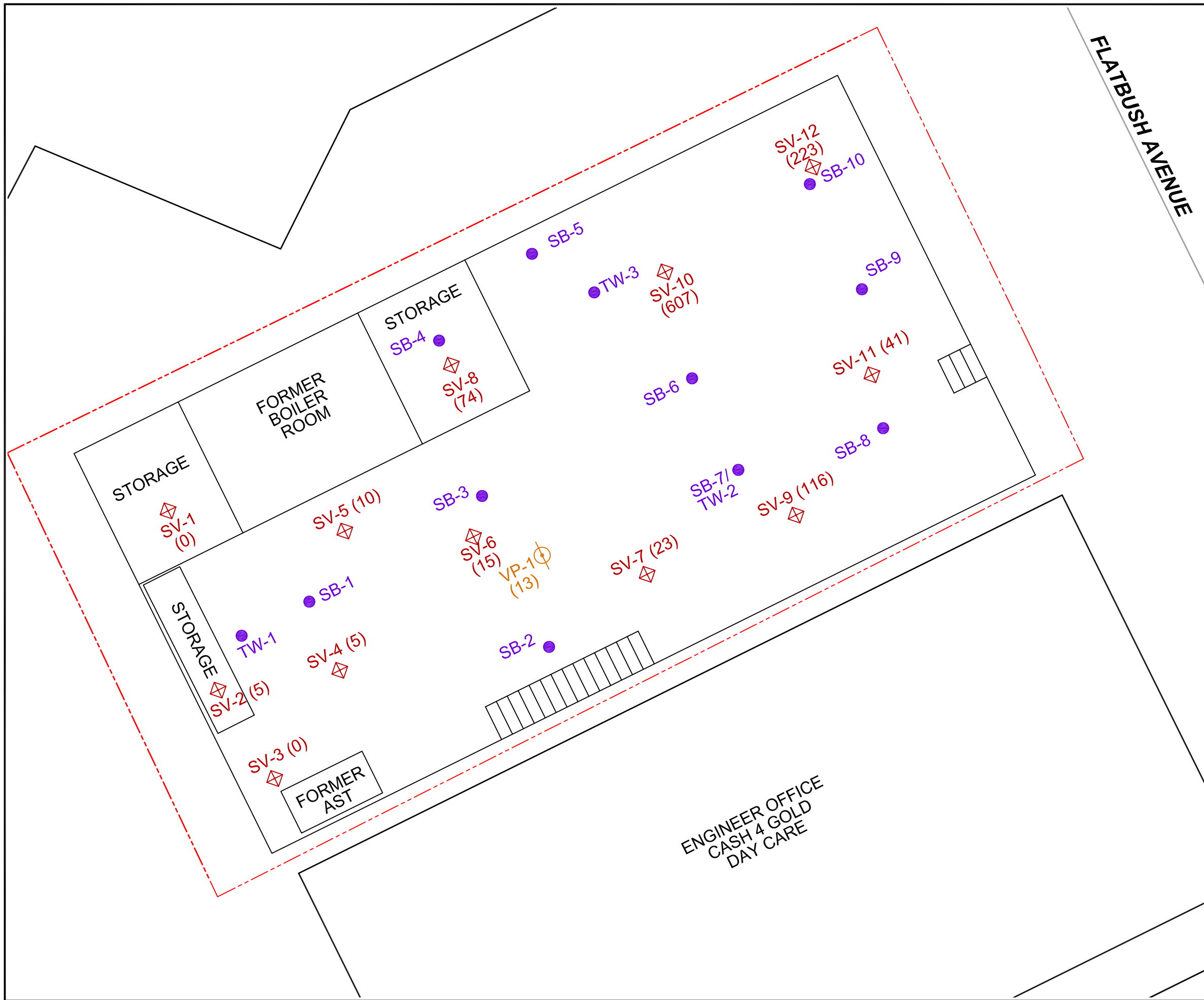
**SITE LOCATION MAP**



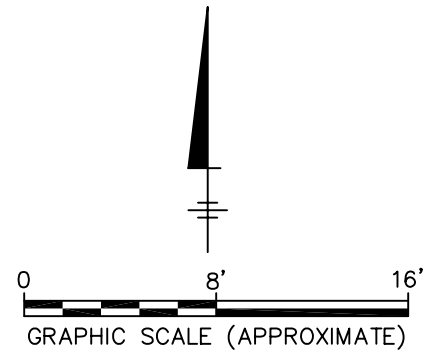
FIGURE  
**1**



CITY\MANCHESTER\_DIV\GROUP\ENV\CAD\_DBT\_HALLIWELL\_PM\C:\Documents and Settings\phall\My Desktop\Return to BB018192\000001\DWG\GIBB018192.dwg LAYOUT: 3 SAVED: 6/6/2011 2:01 PM ACADVER: 17.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: --- PLOTTED: 6/6/2011 2:01 PM BY: HALLIWELL, TRISH



- LEGEND:**
- SITE BOUNDARY
  - SOIL BORING - ARCADIS
  - ◇ SOIL VAPOR SAMPLE -ACT
  - ⊕ SOIL VAPOR SAMPLE -LBG
  - (0) TETRACHLOROETHENE CONCENTRATION (mg/m3)



248 FLATBUSH AVENUE  
BROOKLYN, NEW YORK

**SAMPLE LOCATION MAP**



FIGURE

2

ARCADIS

**ATTACHMENT 1**

**Boring Logs**

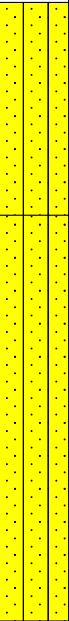


<b>Date Start/Finish:</b> April 14, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe  <b>Sampler Size:</b> 1.25"	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA  <b>Boring Depth:</b> 8.5'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-1  <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
---	--	--

DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0						Concrete	
1						Brown silty fine sand with concrete debris and some cobbles	
2			6"	545			
3	SB-1A						
4						Concrete Debris	
5			24"	288		Brown silty fine sand	
6				205			
7			24"	174		Brown silty fine sand with some fine to medium angular gravel	
8	SB-1B			65.1		Gray to tan cobbles	
9						Brown silty fine sand	
10						Refusal at 8.5'	
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

	<b>Remarks:</b>
---	-----------------

<b>Date Start/Finish:</b> April 14, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe  <b>Sampler Size:</b> 1.25"	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA  <b>Boring Depth:</b> 11'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-2  <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
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DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0						Concrete	
1				27.6		Brown silty fine sand with trace cobbles	
2			24"				
3			55				
4						Brown silty fine sand with trace medium to coarse gravel	
5				56.1			
6			24"				
7				70.3			
8	SB-2A						
9				48.7			
10			24"				
11	SB-2B			55.7			
12						Refusal at 11'	
13							
14							
15							
16							
17							
18							
19							
20							

	<b>Remarks:</b>  
---	-------------------------

<b>Date Start/Finish:</b> April 14, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA  <b>Boring Depth:</b> 8.25'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-3  <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
<b>Sampler Size:</b> 1.25"		

DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0						Concrete	
1				18.2		Brown silty fine sand	
2			36"				
3				29.0		Tan cobble	
4	SB-3A					Brown silty fine sand	
5				29.2		Gray, silverish cobble	
6			24"			Brown silty fine sand	
7				36.9			
8	SB-3B						
9						Refusal at 8.25'	
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

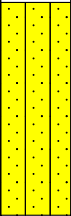
	<b>Remarks:</b>
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<b>Date Start/Finish:</b> April 14, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe  <b>Sampler Size:</b> 1.25"	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA  <b>Boring Depth:</b> 5.5'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-4  <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
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DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0						Concrete	
1			30"	34	[Geologic Column Pattern]	Brown silty fine sand with trace medium to coarse gravel	
2							
3				57.3			
4	SB-4A		30"				
5	SB-4B			106			
6						Refusal at 5.5'	
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

	<b>Remarks:</b>  
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<b>Date Start/Finish:</b> April 14, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe  <b>Sampler Size:</b> 1.25"	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA  <b>Boring Depth:</b> 8'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-5  <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
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DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0						Concrete	
1	SB-5A			2237		Brown silty fine sand; some black smearing at 0.5-2.0' and white cobbles at 4'.	
2			1141				
3			30"	807			
4	SB-5B					No soil obtained from sampler.	
5							
6			0"				
7							
8						Refusal at 8'	
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

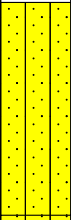
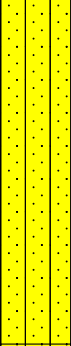
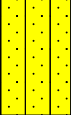
	<b>Remarks:</b>  
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<b>Date Start/Finish:</b> April 14, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe  <b>Sampler Size:</b> 1.25"	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA  <b>Boring Depth:</b> 4'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-6  <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
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DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0						Concrete	
1				141		Brown silty fine sand with some fine to medium angular gravel and cobbles.	
2	SB-6		6"				
3							
4						Refusal at 4'	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

	<b>Remarks:</b>  
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<b>Date Start/Finish:</b> April 13 and 14, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe and Dingo Geoprobe	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA <b>Boring Depth:</b> 54.5'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-7/TW-2 <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
<b>Sampler Size:</b> 1.25"		

DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0						Concrete	
1				8.5		Brown silty fine sand with trace medium angular gravel	
2			6.2	6"			
3			101				
4			107				
5				561		Brown silty fine sand with some medium angular gravel; Grey cobble at 8.5-8.75'	
6			508				
7			908				
8			734				
9				892		Light brown silty fine sand with trace fine gravel	
10	SB-7A		956				
11			400				
12	SB-7B		365				
13				154		Jackhammered down to 32' where tough drilling was encountered. Drilled down to 54.5' with Dingo Geoprobe.	
14							
15							
16							
17							
18							
19							
20							

	<b>Remarks:</b>
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<b>Date Start/Finish:</b> April 13 and 14, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe and Dingo Geoprobe	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA <b>Boring Depth:</b> 54.5'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-7/TW-2 <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
<b>Sampler Size:</b> 1.25"		

DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction	
20								
21								
22								
23								
24								
25								← 1" PVC Riser
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								

	<b>Remarks:</b>
---	-----------------

<b>Date Start/Finish:</b> April 13 and 14, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe and Dingo Geoprobe	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA <b>Boring Depth:</b> 54.5'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-7/TW-2 <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
<b>Sampler Size:</b> 1.25"		

DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							
52							1" PVC Screen
53							
54							
55							
56							
57							
58							
59							
60							

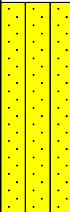
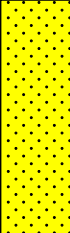
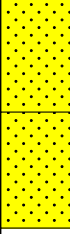

	<b>Remarks:</b>
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<b>Date Start/Finish:</b> April 13, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe  <b>Sampler Size:</b> 1.25"	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA  <b>Boring Depth:</b> 12'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-8  <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
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DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0						Concrete	
1	SB-8A			1284	Geologic Column	Brown silty fine sand; white cobble at 3.5'	
2			24"				
3				728			
4							Brown silty fine sand with trace fine to medium gravel
5				498			
6			24"				
7				188		Brown fine to medium sand	
8							
9				274			
10			24"				
11				137			
12	SB-8B					Completion Depth	
13							
14							
15							
16							
17							
18							
19							
20							

	<b>Remarks:</b>  
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<b>Date Start/Finish:</b> April 13, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe  <b>Sampler Size:</b> 1.25"	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA  <b>Boring Depth:</b> 12'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-9  <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
---	---	--

DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0						Concrete	
1				0		Brown silty fine sand with trace angular medium gravel	
2			11.9				
3			24"	26.7			
4						Brown-tan fine to medium sand	
5				11.2			
6			24"	70.7			
7	SB-9A						
8				151			
9				24"			
10						Brown fine to medium sand	
11				169			
12	SB-9B						
13						Completion Depth	
14							
15							
16							
17							
18							
19							
20							

	<b>Remarks:</b>  
---	-------------------------

<b>Date Start/Finish:</b> April 13, 2011 <b>Drilling Company:</b> Hawk Drilling <b>Driller's Name:</b> Todd, Andy, and Dave <b>Drilling Method:</b> Jackhammer Probe  <b>Sampler Size:</b> 1.25"	<b>Northing:</b> NA <b>Easting:</b> NA <b>TOC Elevation:</b> NA  <b>Boring Depth:</b> 12'  <b>Description By:</b> Casey Pringle	<b>Well/Boring ID:</b> SB-10  <b>Client:</b> Cinderella 248 LLC  <b>Location:</b> 248 Flatbush Avenue, Brooklyn, NY
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DEPTH	Sample	Blow Counts	Recovery (inches)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0						Concrete	
1			14"	408		Brown silty fine sand with some brick fragments	
2						Brown, tan, silty fine sand with trace gravel; grey cobble at 6'	
3				1500			
4			36"	1410			
5				5500			
6	SB-10A						
7						Brown-tan, fine to medium sand	
8			12"	2100			
9							
10							
11			12"	1810			
12	SB-10B						
13						Completion Depth	
14							
15							
16							
17							
18							
19							
20							

	<b>Remarks:</b>  
--	-------------------------

ARCADIS

**ATTACHMENT 2**

**Laboratory Data**



## ANALYTICAL REPORT

Lab Number:	L1105210
Client:	Arcadis U.S., Inc 35 Columbia Road Branchburg, NJ 08876
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	CINDERELLA
Project Number:	BB018192.0000
Report Date:	04/29/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)





**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1105210-01	SB-1A	BROOKLYN, NY	04/14/11 11:50
L1105210-02	SB-1B	BROOKLYN, NY	04/14/11 11:55
L1105210-03	SB-2A	BROOKLYN, NY	04/14/11 12:20
L1105210-04	SB-2B	BROOKLYN, NY	04/14/11 12:25
L1105210-05	SB-3A	BROOKLYN, NY	04/14/11 13:50
L1105210-06	SB-3B	BROOKLYN, NY	04/14/11 13:55
L1105210-07	SB-4A	BROOKLYN, NY	04/14/11 16:20
L1105210-08	SB-4B	BROOKLYN, NY	04/14/11 16:25
L1105210-09	SB-5A	BROOKLYN, NY	04/14/11 11:20
L1105210-10	SB-5B	BROOKLYN, NY	04/14/11 11:25
L1105210-11	SB-6	BROOKLYN, NY	04/14/11 12:40
L1105210-12	SB-7A	BROOKLYN, NY	04/13/11 12:25
L1105210-13	SB-7B	BROOKLYN, NY	04/13/11 12:30
L1105210-14	SB-8A	BROOKLYN, NY	04/13/11 16:00
L1105210-15	SB-8B	BROOKLYN, NY	04/13/11 16:05
L1105210-16	SB-9A	BROOKLYN, NY	04/13/11 10:30
L1105210-17	SB-9B	BROOKLYN, NY	04/13/11 10:35
L1105210-18	SB-10A	BROOKLYN, NY	04/13/11 14:50
L1105210-19	SB-10B	BROOKLYN, NY	04/13/11 14:55
L1105210-20	PIPE 1	BROOKLYN, NY	04/14/11 16:25
L1105210-21	PIPE 2	BROOKLYN, NY	04/14/11 16:30
L1105210-22	TW-2	BROOKLYN, NY	04/14/11 11:40
L1105210-23	DUP	BROOKLYN, NY	04/14/11 00:00

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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### Report Submission

This final report replaces the partial report issued on April 22, 2011. The results of all requested analyses are reported.

### Volatile Organics

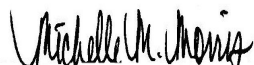
L1105210-20 and -23 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1105210-22 has elevated detection limits due to the dilution required by the sample matrix. (Limited volume due to excessive sediment content.)

The surrogate recoveries for L1105210-11 and -14 are above the acceptance criteria for 1,2-Dichloroethane-d4 (132% and 133%, respectively). Since the samples were non-detect for all target analytes, re-analysis was not required.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 04/29/11

# ORGANICS

# VOLATILES

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-01  
 Client ID: SB-1A  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 08:05  
 Analyst: BN  
 Percent Solids: 92%

Date Collected: 04/14/11 11:50  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.1	--	1
Chloroform	ND		ug/kg	4.1	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.5	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	--	1
Tetrachloroethene	ND		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.1	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.4	--	1
Vinyl chloride	ND		ug/kg	5.4	--	1
Chloroethane	ND		ug/kg	5.4	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1
1,4-Dichlorobenzene	ND		ug/kg	14	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-01  
 Client ID: SB-1A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 11:50  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.4	--	1
p/m-Xylene	ND		ug/kg	5.4	--	1
o-Xylene	ND		ug/kg	5.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.4	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-01  
 Client ID: SB-1A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 11:50  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-02  
 Client ID: SB-1B  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 08:39  
 Analyst: BN  
 Percent Solids: 93%

Date Collected: 04/14/11 11:55  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.0	--	1
Chloroform	ND		ug/kg	4.0	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.4	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.0	--	1
Tetrachloroethene	ND		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.0	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.4	--	1
Vinyl chloride	ND		ug/kg	5.4	--	1
Chloroethane	ND		ug/kg	5.4	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-02  
 Client ID: SB-1B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 11:55  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.4	--	1
p/m-Xylene	ND		ug/kg	5.4	--	1
o-Xylene	ND		ug/kg	5.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.4	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-02  
 Client ID: SB-1B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 11:55  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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## Volatile Organics by GC/MS - Westborough Lab

Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	107		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-03  
 Client ID: SB-2A  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 09:14  
 Analyst: BN  
 Percent Solids: 93%

Date Collected: 04/14/11 12:20  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.0	--	1
Chloroform	ND		ug/kg	4.0	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.4	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.0	--	1
Tetrachloroethene	3.8		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.0	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.4	--	1
Vinyl chloride	ND		ug/kg	5.4	--	1
Chloroethane	ND		ug/kg	5.4	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-03  
 Client ID: SB-2A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 12:20  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.4	--	1
p/m-Xylene	ND		ug/kg	5.4	--	1
o-Xylene	ND		ug/kg	5.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.4	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-03  
 Client ID: SB-2A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 12:20  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-04  
 Client ID: SB-2B  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 09:48  
 Analyst: BN  
 Percent Solids: 91%

Date Collected: 04/14/11 12:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.1	--	1
Chloroform	ND		ug/kg	4.1	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.6	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	--	1
Tetrachloroethene	9.5		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.1	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.5	--	1
Vinyl chloride	ND		ug/kg	5.5	--	1
Chloroethane	ND		ug/kg	5.5	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1
1,4-Dichlorobenzene	ND		ug/kg	14	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-04  
 Client ID: SB-2B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 12:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.5	--	1
p/m-Xylene	ND		ug/kg	5.5	--	1
o-Xylene	ND		ug/kg	5.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.5	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-04  
 Client ID: SB-2B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 12:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	110		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-05  
 Client ID: SB-3A  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 10:23  
 Analyst: BN  
 Percent Solids: 91%

Date Collected: 04/14/11 13:50  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.1	--	1
Chloroform	ND		ug/kg	4.1	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.6	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	--	1
Tetrachloroethene	ND		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.1	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.5	--	1
Vinyl chloride	ND		ug/kg	5.5	--	1
Chloroethane	ND		ug/kg	5.5	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1
1,4-Dichlorobenzene	ND		ug/kg	14	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-05  
 Client ID: SB-3A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 13:50  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.5	--	1
p/m-Xylene	ND		ug/kg	5.5	--	1
o-Xylene	ND		ug/kg	5.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.5	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-05  
 Client ID: SB-3A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 13:50  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-06  
 Client ID: SB-3B  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 10:57  
 Analyst: BN  
 Percent Solids: 90%

Date Collected: 04/14/11 13:55  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	28	--	1
1,1-Dichloroethane	ND		ug/kg	4.2	--	1
Chloroform	ND		ug/kg	4.2	--	1
Carbon tetrachloride	ND		ug/kg	2.8	--	1
1,2-Dichloropropane	ND		ug/kg	9.7	--	1
Dibromochloromethane	ND		ug/kg	2.8	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	--	1
Tetrachloroethene	6.2		ug/kg	2.8	--	1
Chlorobenzene	ND		ug/kg	2.8	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.8	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	--	1
Bromodichloromethane	ND		ug/kg	2.8	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	--	1
Benzene	ND		ug/kg	2.8	--	1
Toluene	ND		ug/kg	4.2	--	1
Ethylbenzene	ND		ug/kg	2.8	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.6	--	1
Vinyl chloride	ND		ug/kg	5.6	--	1
Chloroethane	ND		ug/kg	5.6	--	1
1,1-Dichloroethene	ND		ug/kg	2.8	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	--	1
Trichloroethene	ND		ug/kg	2.8	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1
1,4-Dichlorobenzene	ND		ug/kg	14	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-06  
 Client ID: SB-3B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 13:55  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.6	--	1
p/m-Xylene	ND		ug/kg	5.6	--	1
o-Xylene	ND		ug/kg	5.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	--	1
Dibromomethane	ND		ug/kg	28	--	1
Styrene	ND		ug/kg	5.6	--	1
Dichlorodifluoromethane	ND		ug/kg	28	--	1
Acetone	ND		ug/kg	28	--	1
Carbon disulfide	ND		ug/kg	28	--	1
2-Butanone	ND		ug/kg	28	--	1
Vinyl acetate	ND		ug/kg	28	--	1
4-Methyl-2-pentanone	ND		ug/kg	28	--	1
1,2,3-Trichloropropane	ND		ug/kg	28	--	1
2-Hexanone	ND		ug/kg	28	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.8	--	1
sec-Butylbenzene	ND		ug/kg	2.8	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.8	--	1
p-Isopropyltoluene	ND		ug/kg	2.8	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	28	--	1
n-Propylbenzene	ND		ug/kg	2.8	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-06  
 Client ID: SB-3B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 13:55  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	109		70-130



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-07  
 Client ID: SB-4A  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/26/11 16:47  
 Analyst: BN  
 Percent Solids: 92%

Date Collected: 04/14/11 16:20  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.1	--	1
Chloroform	ND		ug/kg	4.1	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.5	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	--	1
Tetrachloroethene	ND		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.1	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.4	--	1
Vinyl chloride	ND		ug/kg	5.4	--	1
Chloroethane	ND		ug/kg	5.4	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1
1,4-Dichlorobenzene	ND		ug/kg	14	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-07  
 Client ID: SB-4A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 16:20  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.4	--	1
p/m-Xylene	ND		ug/kg	5.4	--	1
o-Xylene	ND		ug/kg	5.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.4	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-07  
 Client ID: SB-4A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 16:20  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-08  
 Client ID: SB-4B  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 11:32  
 Analyst: BN  
 Percent Solids: 90%

Date Collected: 04/14/11 16:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	28	--	1
1,1-Dichloroethane	ND		ug/kg	4.2	--	1
Chloroform	ND		ug/kg	4.2	--	1
Carbon tetrachloride	ND		ug/kg	2.8	--	1
1,2-Dichloropropane	ND		ug/kg	9.7	--	1
Dibromochloromethane	ND		ug/kg	2.8	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	--	1
Tetrachloroethene	5.0		ug/kg	2.8	--	1
Chlorobenzene	ND		ug/kg	2.8	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.8	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.8	--	1
Bromodichloromethane	ND		ug/kg	2.8	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.8	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.8	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	--	1
Benzene	ND		ug/kg	2.8	--	1
Toluene	ND		ug/kg	4.2	--	1
Ethylbenzene	ND		ug/kg	2.8	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.6	--	1
Vinyl chloride	ND		ug/kg	5.6	--	1
Chloroethane	ND		ug/kg	5.6	--	1
1,1-Dichloroethene	ND		ug/kg	2.8	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.2	--	1
Trichloroethene	ND		ug/kg	2.8	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1
1,4-Dichlorobenzene	ND		ug/kg	14	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-08  
 Client ID: SB-4B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 16:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.6	--	1
p/m-Xylene	ND		ug/kg	5.6	--	1
o-Xylene	ND		ug/kg	5.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.8	--	1
Dibromomethane	ND		ug/kg	28	--	1
Styrene	ND		ug/kg	5.6	--	1
Dichlorodifluoromethane	ND		ug/kg	28	--	1
Acetone	ND		ug/kg	28	--	1
Carbon disulfide	ND		ug/kg	28	--	1
2-Butanone	ND		ug/kg	28	--	1
Vinyl acetate	ND		ug/kg	28	--	1
4-Methyl-2-pentanone	ND		ug/kg	28	--	1
1,2,3-Trichloropropane	ND		ug/kg	28	--	1
2-Hexanone	ND		ug/kg	28	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.8	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.8	--	1
sec-Butylbenzene	ND		ug/kg	2.8	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.8	--	1
p-Isopropyltoluene	ND		ug/kg	2.8	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	28	--	1
n-Propylbenzene	ND		ug/kg	2.8	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-08  
 Client ID: SB-4B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 16:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	109		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-09  
 Client ID: SB-5A  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 12:07  
 Analyst: BN  
 Percent Solids: 91%

Date Collected: 04/14/11 11:20  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.1	--	1
Chloroform	ND		ug/kg	4.1	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.6	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	--	1
Tetrachloroethene	35		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.1	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.5	--	1
Vinyl chloride	ND		ug/kg	5.5	--	1
Chloroethane	ND		ug/kg	5.5	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1
1,4-Dichlorobenzene	ND		ug/kg	14	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-09  
 Client ID: SB-5A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 11:20  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.5	--	1
p/m-Xylene	ND		ug/kg	5.5	--	1
o-Xylene	ND		ug/kg	5.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.5	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-09  
 Client ID: SB-5A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 11:20  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	110		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-10  
 Client ID: SB-5B  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 12:41  
 Analyst: BN  
 Percent Solids: 92%

Date Collected: 04/14/11 11:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.1	--	1
Chloroform	ND		ug/kg	4.1	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.5	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	--	1
Tetrachloroethene	180		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.1	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.4	--	1
Vinyl chloride	ND		ug/kg	5.4	--	1
Chloroethane	ND		ug/kg	5.4	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1
1,4-Dichlorobenzene	ND		ug/kg	14	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-10  
 Client ID: SB-5B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 11:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.4	--	1
p/m-Xylene	ND		ug/kg	5.4	--	1
o-Xylene	ND		ug/kg	5.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.4	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-10  
 Client ID: SB-5B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 11:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	109		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-11  
 Client ID: SB-6  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 13:16  
 Analyst: BN  
 Percent Solids: 93%

Date Collected: 04/14/11 12:40  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.0	--	1
Chloroform	ND		ug/kg	4.0	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.4	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.0	--	1
Tetrachloroethene	ND		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.0	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.4	--	1
Vinyl chloride	ND		ug/kg	5.4	--	1
Chloroethane	ND		ug/kg	5.4	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-11  
 Client ID: SB-6  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 12:40  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.4	--	1
p/m-Xylene	ND		ug/kg	5.4	--	1
o-Xylene	ND		ug/kg	5.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.4	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-11  
 Client ID: SB-6  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 12:40  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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## Volatile Organics by GC/MS - Westborough Lab

Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	132	Q	70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	111		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-12  
 Client ID: SB-7A  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/21/11 11:17  
 Analyst: BN  
 Percent Solids: 93%

Date Collected: 04/13/11 12:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.0	--	1
Chloroform	ND		ug/kg	4.0	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.4	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.0	--	1
Tetrachloroethene	ND		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.0	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.4	--	1
Vinyl chloride	ND		ug/kg	5.4	--	1
Chloroethane	ND		ug/kg	5.4	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-12  
 Client ID: SB-7A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 12:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.4	--	1
p/m-Xylene	ND		ug/kg	5.4	--	1
o-Xylene	ND		ug/kg	5.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.4	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-12  
 Client ID: SB-7A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 12:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	96		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-13  
 Client ID: SB-7B  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 14:25  
 Analyst: BN  
 Percent Solids: 95%

Date Collected: 04/13/11 12:30  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	26	--	1
1,1-Dichloroethane	ND		ug/kg	3.9	--	1
Chloroform	ND		ug/kg	3.9	--	1
Carbon tetrachloride	ND		ug/kg	2.6	--	1
1,2-Dichloropropane	ND		ug/kg	9.2	--	1
Dibromochloromethane	ND		ug/kg	2.6	--	1
1,1,2-Trichloroethane	ND		ug/kg	3.9	--	1
Tetrachloroethene	4.7		ug/kg	2.6	--	1
Chlorobenzene	ND		ug/kg	2.6	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.6	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	--	1
Bromodichloromethane	ND		ug/kg	2.6	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	10	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Benzene	ND		ug/kg	2.6	--	1
Toluene	ND		ug/kg	3.9	--	1
Ethylbenzene	ND		ug/kg	2.6	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.3	--	1
Vinyl chloride	ND		ug/kg	5.3	--	1
Chloroethane	ND		ug/kg	5.3	--	1
1,1-Dichloroethene	ND		ug/kg	2.6	--	1
trans-1,2-Dichloroethene	ND		ug/kg	3.9	--	1
Trichloroethene	ND		ug/kg	2.6	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-13  
 Client ID: SB-7B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 12:30  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.3	--	1
p/m-Xylene	ND		ug/kg	5.3	--	1
o-Xylene	ND		ug/kg	5.3	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	--	1
Dibromomethane	ND		ug/kg	26	--	1
Styrene	ND		ug/kg	5.3	--	1
Dichlorodifluoromethane	ND		ug/kg	26	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	26	--	1
2-Butanone	ND		ug/kg	26	--	1
Vinyl acetate	ND		ug/kg	26	--	1
4-Methyl-2-pentanone	ND		ug/kg	26	--	1
1,2,3-Trichloropropane	ND		ug/kg	26	--	1
2-Hexanone	ND		ug/kg	26	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	10	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.6	--	1
sec-Butylbenzene	ND		ug/kg	2.6	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.6	--	1
p-Isopropyltoluene	ND		ug/kg	2.6	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	26	--	1
n-Propylbenzene	ND		ug/kg	2.6	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	10	--	1
4-Ethyltoluene	ND		ug/kg	10	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-13  
 Client ID: SB-7B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 12:30  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	111		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-14  
 Client ID: SB-8A  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 14:59  
 Analyst: BN  
 Percent Solids: 93%

Date Collected: 04/13/11 16:00  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.0	--	1
Chloroform	ND		ug/kg	4.0	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.4	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.0	--	1
Tetrachloroethene	ND		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.0	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.4	--	1
Vinyl chloride	ND		ug/kg	5.4	--	1
Chloroethane	ND		ug/kg	5.4	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-14  
 Client ID: SB-8A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 16:00  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.4	--	1
p/m-Xylene	ND		ug/kg	5.4	--	1
o-Xylene	ND		ug/kg	5.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.4	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-14  
 Client ID: SB-8A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 16:00  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	133	Q	70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	112		70-130



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-15  
 Client ID: SB-8B  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 15:33  
 Analyst: BN  
 Percent Solids: 95%

Date Collected: 04/13/11 16:05  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	26	--	1
1,1-Dichloroethane	ND		ug/kg	3.9	--	1
Chloroform	ND		ug/kg	3.9	--	1
Carbon tetrachloride	ND		ug/kg	2.6	--	1
1,2-Dichloropropane	ND		ug/kg	9.2	--	1
Dibromochloromethane	ND		ug/kg	2.6	--	1
1,1,2-Trichloroethane	ND		ug/kg	3.9	--	1
Tetrachloroethene	2.6		ug/kg	2.6	--	1
Chlorobenzene	ND		ug/kg	2.6	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.6	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	--	1
Bromodichloromethane	ND		ug/kg	2.6	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	10	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Benzene	ND		ug/kg	2.6	--	1
Toluene	ND		ug/kg	3.9	--	1
Ethylbenzene	ND		ug/kg	2.6	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.3	--	1
Vinyl chloride	ND		ug/kg	5.3	--	1
Chloroethane	ND		ug/kg	5.3	--	1
1,1-Dichloroethene	ND		ug/kg	2.6	--	1
trans-1,2-Dichloroethene	ND		ug/kg	3.9	--	1
Trichloroethene	ND		ug/kg	2.6	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-15  
 Client ID: SB-8B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 16:05  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.3	--	1
p/m-Xylene	ND		ug/kg	5.3	--	1
o-Xylene	ND		ug/kg	5.3	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	--	1
Dibromomethane	ND		ug/kg	26	--	1
Styrene	ND		ug/kg	5.3	--	1
Dichlorodifluoromethane	ND		ug/kg	26	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	26	--	1
2-Butanone	ND		ug/kg	26	--	1
Vinyl acetate	ND		ug/kg	26	--	1
4-Methyl-2-pentanone	ND		ug/kg	26	--	1
1,2,3-Trichloropropane	ND		ug/kg	26	--	1
2-Hexanone	ND		ug/kg	26	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	10	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.6	--	1
sec-Butylbenzene	ND		ug/kg	2.6	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.6	--	1
p-Isopropyltoluene	ND		ug/kg	2.6	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	26	--	1
n-Propylbenzene	ND		ug/kg	2.6	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	10	--	1
4-Ethyltoluene	ND		ug/kg	10	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-15  
 Client ID: SB-8B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 16:05  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	109		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-16  
 Client ID: SB-9A  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/21/11 11:52  
 Analyst: BN  
 Percent Solids: 95%

Date Collected: 04/13/11 10:30  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	26	--	1
1,1-Dichloroethane	ND		ug/kg	3.9	--	1
Chloroform	ND		ug/kg	3.9	--	1
Carbon tetrachloride	ND		ug/kg	2.6	--	1
1,2-Dichloropropane	ND		ug/kg	9.2	--	1
Dibromochloromethane	ND		ug/kg	2.6	--	1
1,1,2-Trichloroethane	ND		ug/kg	3.9	--	1
Tetrachloroethene	ND		ug/kg	2.6	--	1
Chlorobenzene	ND		ug/kg	2.6	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.6	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	--	1
Bromodichloromethane	ND		ug/kg	2.6	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	10	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Benzene	ND		ug/kg	2.6	--	1
Toluene	ND		ug/kg	3.9	--	1
Ethylbenzene	ND		ug/kg	2.6	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.3	--	1
Vinyl chloride	ND		ug/kg	5.3	--	1
Chloroethane	ND		ug/kg	5.3	--	1
1,1-Dichloroethene	ND		ug/kg	2.6	--	1
trans-1,2-Dichloroethene	ND		ug/kg	3.9	--	1
Trichloroethene	ND		ug/kg	2.6	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-16  
 Client ID: SB-9A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 10:30  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.3	--	1
p/m-Xylene	ND		ug/kg	5.3	--	1
o-Xylene	ND		ug/kg	5.3	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	--	1
Dibromomethane	ND		ug/kg	26	--	1
Styrene	ND		ug/kg	5.3	--	1
Dichlorodifluoromethane	ND		ug/kg	26	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	26	--	1
2-Butanone	ND		ug/kg	26	--	1
Vinyl acetate	ND		ug/kg	26	--	1
4-Methyl-2-pentanone	ND		ug/kg	26	--	1
1,2,3-Trichloropropane	ND		ug/kg	26	--	1
2-Hexanone	ND		ug/kg	26	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	10	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.6	--	1
sec-Butylbenzene	ND		ug/kg	2.6	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.6	--	1
p-Isopropyltoluene	ND		ug/kg	2.6	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	26	--	1
n-Propylbenzene	ND		ug/kg	2.6	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	10	--	1
4-Ethyltoluene	ND		ug/kg	10	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-16  
 Client ID: SB-9A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 10:30  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	97		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-17  
 Client ID: SB-9B  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/19/11 16:42  
 Analyst: BN  
 Percent Solids: 95%

Date Collected: 04/13/11 10:35  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	26	--	1
1,1-Dichloroethane	ND		ug/kg	3.9	--	1
Chloroform	ND		ug/kg	3.9	--	1
Carbon tetrachloride	ND		ug/kg	2.6	--	1
1,2-Dichloropropane	ND		ug/kg	9.2	--	1
Dibromochloromethane	ND		ug/kg	2.6	--	1
1,1,2-Trichloroethane	ND		ug/kg	3.9	--	1
Tetrachloroethene	ND		ug/kg	2.6	--	1
Chlorobenzene	ND		ug/kg	2.6	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.6	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	--	1
Bromodichloromethane	ND		ug/kg	2.6	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	10	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Benzene	ND		ug/kg	2.6	--	1
Toluene	ND		ug/kg	3.9	--	1
Ethylbenzene	ND		ug/kg	2.6	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.3	--	1
Vinyl chloride	ND		ug/kg	5.3	--	1
Chloroethane	ND		ug/kg	5.3	--	1
1,1-Dichloroethene	ND		ug/kg	2.6	--	1
trans-1,2-Dichloroethene	ND		ug/kg	3.9	--	1
Trichloroethene	ND		ug/kg	2.6	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-17  
 Client ID: SB-9B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 10:35  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.3	--	1
p/m-Xylene	ND		ug/kg	5.3	--	1
o-Xylene	ND		ug/kg	5.3	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	--	1
Dibromomethane	ND		ug/kg	26	--	1
Styrene	ND		ug/kg	5.3	--	1
Dichlorodifluoromethane	ND		ug/kg	26	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	26	--	1
2-Butanone	ND		ug/kg	26	--	1
Vinyl acetate	ND		ug/kg	26	--	1
4-Methyl-2-pentanone	ND		ug/kg	26	--	1
1,2,3-Trichloropropane	ND		ug/kg	26	--	1
2-Hexanone	ND		ug/kg	26	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	10	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.6	--	1
sec-Butylbenzene	ND		ug/kg	2.6	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.6	--	1
p-Isopropyltoluene	ND		ug/kg	2.6	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	26	--	1
n-Propylbenzene	ND		ug/kg	2.6	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	10	--	1
4-Ethyltoluene	ND		ug/kg	10	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	--	1



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-17  
 Client ID: SB-9B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 10:35  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	113		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-18  
 Client ID: SB-10A  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/21/11 12:27  
 Analyst: BN  
 Percent Solids: 94%

Date Collected: 04/13/11 14:50  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	26	--	1
1,1-Dichloroethane	ND		ug/kg	4.0	--	1
Chloroform	ND		ug/kg	4.0	--	1
Carbon tetrachloride	ND		ug/kg	2.6	--	1
1,2-Dichloropropane	ND		ug/kg	9.3	--	1
Dibromochloromethane	ND		ug/kg	2.6	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.0	--	1
Tetrachloroethene	ND		ug/kg	2.6	--	1
Chlorobenzene	ND		ug/kg	2.6	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.6	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	--	1
Bromodichloromethane	ND		ug/kg	2.6	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Benzene	ND		ug/kg	2.6	--	1
Toluene	ND		ug/kg	4.0	--	1
Ethylbenzene	ND		ug/kg	2.6	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.3	--	1
Vinyl chloride	ND		ug/kg	5.3	--	1
Chloroethane	ND		ug/kg	5.3	--	1
1,1-Dichloroethene	ND		ug/kg	2.6	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.0	--	1
Trichloroethene	ND		ug/kg	2.6	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-18  
 Client ID: SB-10A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 14:50  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.3	--	1
p/m-Xylene	ND		ug/kg	5.3	--	1
o-Xylene	ND		ug/kg	5.3	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	--	1
Dibromomethane	ND		ug/kg	26	--	1
Styrene	ND		ug/kg	5.3	--	1
Dichlorodifluoromethane	ND		ug/kg	26	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	26	--	1
2-Butanone	ND		ug/kg	26	--	1
Vinyl acetate	ND		ug/kg	26	--	1
4-Methyl-2-pentanone	ND		ug/kg	26	--	1
1,2,3-Trichloropropane	ND		ug/kg	26	--	1
2-Hexanone	ND		ug/kg	26	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.6	--	1
sec-Butylbenzene	ND		ug/kg	2.6	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.6	--	1
p-Isopropyltoluene	ND		ug/kg	2.6	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	26	--	1
n-Propylbenzene	ND		ug/kg	2.6	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-18  
 Client ID: SB-10A  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 14:50  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-19  
 Client ID: SB-10B  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/21/11 13:03  
 Analyst: BN  
 Percent Solids: 97%

Date Collected: 04/13/11 14:55  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	26	--	1
1,1-Dichloroethane	ND		ug/kg	3.9	--	1
Chloroform	ND		ug/kg	3.9	--	1
Carbon tetrachloride	ND		ug/kg	2.6	--	1
1,2-Dichloropropane	ND		ug/kg	9.0	--	1
Dibromochloromethane	ND		ug/kg	2.6	--	1
1,1,2-Trichloroethane	ND		ug/kg	3.9	--	1
Tetrachloroethene	ND		ug/kg	2.6	--	1
Chlorobenzene	ND		ug/kg	2.6	--	1
Trichlorofluoromethane	ND		ug/kg	13	--	1
1,2-Dichloroethane	ND		ug/kg	2.6	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.6	--	1
Bromodichloromethane	ND		ug/kg	2.6	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.6	--	1
1,1-Dichloropropene	ND		ug/kg	13	--	1
Bromoform	ND		ug/kg	10	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Benzene	ND		ug/kg	2.6	--	1
Toluene	ND		ug/kg	3.9	--	1
Ethylbenzene	ND		ug/kg	2.6	--	1
Chloromethane	ND		ug/kg	13	--	1
Bromomethane	ND		ug/kg	5.2	--	1
Vinyl chloride	ND		ug/kg	5.2	--	1
Chloroethane	ND		ug/kg	5.2	--	1
1,1-Dichloroethene	ND		ug/kg	2.6	--	1
trans-1,2-Dichloroethene	ND		ug/kg	3.9	--	1
Trichloroethene	ND		ug/kg	2.6	--	1
1,2-Dichlorobenzene	ND		ug/kg	13	--	1
1,3-Dichlorobenzene	ND		ug/kg	13	--	1
1,4-Dichlorobenzene	ND		ug/kg	13	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-19  
 Client ID: SB-10B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 14:55  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	5.2	--	1
p/m-Xylene	ND		ug/kg	5.2	--	1
o-Xylene	ND		ug/kg	5.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.6	--	1
Dibromomethane	ND		ug/kg	26	--	1
Styrene	ND		ug/kg	5.2	--	1
Dichlorodifluoromethane	ND		ug/kg	26	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	26	--	1
2-Butanone	ND		ug/kg	26	--	1
Vinyl acetate	ND		ug/kg	26	--	1
4-Methyl-2-pentanone	ND		ug/kg	26	--	1
1,2,3-Trichloropropane	ND		ug/kg	26	--	1
2-Hexanone	ND		ug/kg	26	--	1
Bromochloromethane	ND		ug/kg	13	--	1
2,2-Dichloropropane	ND		ug/kg	13	--	1
1,2-Dibromoethane	ND		ug/kg	10	--	1
1,3-Dichloropropane	ND		ug/kg	13	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	--	1
Bromobenzene	ND		ug/kg	13	--	1
n-Butylbenzene	ND		ug/kg	2.6	--	1
sec-Butylbenzene	ND		ug/kg	2.6	--	1
tert-Butylbenzene	ND		ug/kg	13	--	1
o-Chlorotoluene	ND		ug/kg	13	--	1
p-Chlorotoluene	ND		ug/kg	13	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	13	--	1
Isopropylbenzene	ND		ug/kg	2.6	--	1
p-Isopropyltoluene	ND		ug/kg	2.6	--	1
Naphthalene	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	26	--	1
n-Propylbenzene	ND		ug/kg	2.6	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	13	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	13	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	13	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	13	--	1
1,4-Diethylbenzene	ND		ug/kg	10	--	1
4-Ethyltoluene	ND		ug/kg	10	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-19  
 Client ID: SB-10B  
 Sample Location: BROOKLYN, NY

Date Collected: 04/13/11 14:55  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	13	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-20 D  
 Client ID: PIPE 1  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/22/11 06:49  
 Analyst: CF  
 Percent Solids: 71%

Date Collected: 04/14/11 16:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	70000	--	2000
1,1-Dichloroethane	ND		ug/kg	10000	--	2000
Chloroform	ND		ug/kg	10000	--	2000
Carbon tetrachloride	ND		ug/kg	7000	--	2000
1,2-Dichloropropane	ND		ug/kg	25000	--	2000
Dibromochloromethane	ND		ug/kg	7000	--	2000
1,1,2-Trichloroethane	ND		ug/kg	10000	--	2000
Tetrachloroethene	560000		ug/kg	7000	--	2000
Chlorobenzene	ND		ug/kg	7000	--	2000
Trichlorofluoromethane	ND		ug/kg	35000	--	2000
1,2-Dichloroethane	ND		ug/kg	7000	--	2000
1,1,1-Trichloroethane	ND		ug/kg	7000	--	2000
Bromodichloromethane	ND		ug/kg	7000	--	2000
trans-1,3-Dichloropropene	ND		ug/kg	7000	--	2000
cis-1,3-Dichloropropene	ND		ug/kg	7000	--	2000
1,1-Dichloropropene	ND		ug/kg	35000	--	2000
Bromoform	ND		ug/kg	28000	--	2000
1,1,2,2-Tetrachloroethane	ND		ug/kg	7000	--	2000
Benzene	ND		ug/kg	7000	--	2000
Toluene	ND		ug/kg	10000	--	2000
Ethylbenzene	ND		ug/kg	7000	--	2000
Chloromethane	ND		ug/kg	35000	--	2000
Bromomethane	ND		ug/kg	14000	--	2000
Vinyl chloride	ND		ug/kg	14000	--	2000
Chloroethane	ND		ug/kg	14000	--	2000
1,1-Dichloroethene	ND		ug/kg	7000	--	2000
trans-1,2-Dichloroethene	ND		ug/kg	10000	--	2000
Trichloroethene	ND		ug/kg	7000	--	2000
1,2-Dichlorobenzene	ND		ug/kg	35000	--	2000
1,3-Dichlorobenzene	ND		ug/kg	35000	--	2000
1,4-Dichlorobenzene	ND		ug/kg	35000	--	2000



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-20 D  
 Client ID: PIPE 1  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 16:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	14000	--	2000
p/m-Xylene	ND		ug/kg	14000	--	2000
o-Xylene	ND		ug/kg	14000	--	2000
cis-1,2-Dichloroethene	ND		ug/kg	7000	--	2000
Dibromomethane	ND		ug/kg	70000	--	2000
Styrene	ND		ug/kg	14000	--	2000
Dichlorodifluoromethane	ND		ug/kg	70000	--	2000
Acetone	ND		ug/kg	70000	--	2000
Carbon disulfide	ND		ug/kg	70000	--	2000
2-Butanone	ND		ug/kg	70000	--	2000
Vinyl acetate	ND		ug/kg	70000	--	2000
4-Methyl-2-pentanone	ND		ug/kg	70000	--	2000
1,2,3-Trichloropropane	ND		ug/kg	70000	--	2000
2-Hexanone	ND		ug/kg	70000	--	2000
Bromochloromethane	ND		ug/kg	35000	--	2000
2,2-Dichloropropane	ND		ug/kg	35000	--	2000
1,2-Dibromoethane	ND		ug/kg	28000	--	2000
1,3-Dichloropropane	ND		ug/kg	35000	--	2000
1,1,1,2-Tetrachloroethane	ND		ug/kg	7000	--	2000
Bromobenzene	ND		ug/kg	35000	--	2000
n-Butylbenzene	ND		ug/kg	7000	--	2000
sec-Butylbenzene	ND		ug/kg	7000	--	2000
tert-Butylbenzene	ND		ug/kg	35000	--	2000
o-Chlorotoluene	ND		ug/kg	35000	--	2000
p-Chlorotoluene	ND		ug/kg	35000	--	2000
1,2-Dibromo-3-chloropropane	ND		ug/kg	35000	--	2000
Hexachlorobutadiene	ND		ug/kg	35000	--	2000
Isopropylbenzene	ND		ug/kg	7000	--	2000
p-Isopropyltoluene	ND		ug/kg	7000	--	2000
Naphthalene	ND		ug/kg	35000	--	2000
Acrylonitrile	ND		ug/kg	70000	--	2000
n-Propylbenzene	ND		ug/kg	7000	--	2000
1,2,3-Trichlorobenzene	ND		ug/kg	35000	--	2000
1,2,4-Trichlorobenzene	ND		ug/kg	35000	--	2000
1,3,5-Trimethylbenzene	ND		ug/kg	35000	--	2000
1,2,4-Trimethylbenzene	ND		ug/kg	35000	--	2000
1,4-Diethylbenzene	ND		ug/kg	28000	--	2000
4-Ethyltoluene	ND		ug/kg	28000	--	2000
1,2,4,5-Tetramethylbenzene	ND		ug/kg	28000	--	2000

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-20 D  
 Client ID: PIPE 1  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 16:25  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	35000	--	2000
trans-1,4-Dichloro-2-butene	ND		ug/kg	35000	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	106		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-21  
 Client ID: PIPE 2  
 Sample Location: BROOKLYN, NY  
 Matrix: Soil  
 Analytical Method: 1,8260B  
 Analytical Date: 04/22/11 05:36  
 Analyst: CF  
 Percent Solids: 65%

Date Collected: 04/14/11 16:30  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	38	--	1
1,1-Dichloroethane	ND		ug/kg	5.8	--	1
Chloroform	ND		ug/kg	5.8	--	1
Carbon tetrachloride	ND		ug/kg	3.8	--	1
1,2-Dichloropropane	ND		ug/kg	13	--	1
Dibromochloromethane	ND		ug/kg	3.8	--	1
1,1,2-Trichloroethane	ND		ug/kg	5.8	--	1
Tetrachloroethene	57		ug/kg	3.8	--	1
Chlorobenzene	ND		ug/kg	3.8	--	1
Trichlorofluoromethane	ND		ug/kg	19	--	1
1,2-Dichloroethane	ND		ug/kg	3.8	--	1
1,1,1-Trichloroethane	ND		ug/kg	3.8	--	1
Bromodichloromethane	ND		ug/kg	3.8	--	1
trans-1,3-Dichloropropene	ND		ug/kg	3.8	--	1
cis-1,3-Dichloropropene	ND		ug/kg	3.8	--	1
1,1-Dichloropropene	ND		ug/kg	19	--	1
Bromoform	ND		ug/kg	15	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.8	--	1
Benzene	ND		ug/kg	3.8	--	1
Toluene	ND		ug/kg	5.8	--	1
Ethylbenzene	ND		ug/kg	3.8	--	1
Chloromethane	ND		ug/kg	19	--	1
Bromomethane	ND		ug/kg	7.7	--	1
Vinyl chloride	ND		ug/kg	7.7	--	1
Chloroethane	ND		ug/kg	7.7	--	1
1,1-Dichloroethene	ND		ug/kg	3.8	--	1
trans-1,2-Dichloroethene	ND		ug/kg	5.8	--	1
Trichloroethene	ND		ug/kg	3.8	--	1
1,2-Dichlorobenzene	ND		ug/kg	19	--	1
1,3-Dichlorobenzene	ND		ug/kg	19	--	1
1,4-Dichlorobenzene	ND		ug/kg	19	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-21  
 Client ID: PIPE 2  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 16:30  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/kg	7.7	--	1
p/m-Xylene	ND		ug/kg	7.7	--	1
o-Xylene	ND		ug/kg	7.7	--	1
cis-1,2-Dichloroethene	ND		ug/kg	3.8	--	1
Dibromomethane	ND		ug/kg	38	--	1
Styrene	ND		ug/kg	7.7	--	1
Dichlorodifluoromethane	ND		ug/kg	38	--	1
Acetone	82		ug/kg	38	--	1
Carbon disulfide	ND		ug/kg	38	--	1
2-Butanone	ND		ug/kg	38	--	1
Vinyl acetate	ND		ug/kg	38	--	1
4-Methyl-2-pentanone	ND		ug/kg	38	--	1
1,2,3-Trichloropropane	ND		ug/kg	38	--	1
2-Hexanone	ND		ug/kg	38	--	1
Bromochloromethane	ND		ug/kg	19	--	1
2,2-Dichloropropane	ND		ug/kg	19	--	1
1,2-Dibromoethane	ND		ug/kg	15	--	1
1,3-Dichloropropane	ND		ug/kg	19	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.8	--	1
Bromobenzene	ND		ug/kg	19	--	1
n-Butylbenzene	ND		ug/kg	3.8	--	1
sec-Butylbenzene	ND		ug/kg	3.8	--	1
tert-Butylbenzene	ND		ug/kg	19	--	1
o-Chlorotoluene	ND		ug/kg	19	--	1
p-Chlorotoluene	ND		ug/kg	19	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	19	--	1
Hexachlorobutadiene	ND		ug/kg	19	--	1
Isopropylbenzene	ND		ug/kg	3.8	--	1
p-Isopropyltoluene	ND		ug/kg	3.8	--	1
Naphthalene	ND		ug/kg	19	--	1
Acrylonitrile	ND		ug/kg	38	--	1
n-Propylbenzene	ND		ug/kg	3.8	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	19	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	19	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	19	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	19	--	1
1,4-Diethylbenzene	ND		ug/kg	15	--	1
4-Ethyltoluene	ND		ug/kg	15	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	15	--	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-21  
 Client ID: PIPE 2  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 16:30  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/kg	19	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	19	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	100		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-22 D  
 Client ID: TW-2  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 04/21/11 15:24  
 Analyst: PD

Date Collected: 04/14/11 11:40  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	10	--	2
1,1-Dichloroethane	ND		ug/l	1.5	--	2
Chloroform	ND		ug/l	1.5	--	2
Carbon tetrachloride	ND		ug/l	1.0	--	2
1,2-Dichloropropane	ND		ug/l	3.5	--	2
Dibromochloromethane	ND		ug/l	1.0	--	2
1,1,2-Trichloroethane	ND		ug/l	1.5	--	2
Tetrachloroethene	12		ug/l	1.0	--	2
Chlorobenzene	ND		ug/l	1.0	--	2
Trichlorofluoromethane	ND		ug/l	5.0	--	2
1,2-Dichloroethane	ND		ug/l	1.0	--	2
1,1,1-Trichloroethane	ND		ug/l	1.0	--	2
Bromodichloromethane	ND		ug/l	1.0	--	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2
1,1-Dichloropropene	ND		ug/l	5.0	--	2
Bromoform	ND		ug/l	4.0	--	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	2
Benzene	ND		ug/l	1.0	--	2
Toluene	ND		ug/l	1.5	--	2
Ethylbenzene	ND		ug/l	1.0	--	2
Chloromethane	ND		ug/l	5.0	--	2
Bromomethane	ND		ug/l	2.0	--	2
Vinyl chloride	ND		ug/l	2.0	--	2
Chloroethane	ND		ug/l	2.0	--	2
1,1-Dichloroethene	ND		ug/l	1.0	--	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	--	2
Trichloroethene	ND		ug/l	1.0	--	2
1,2-Dichlorobenzene	ND		ug/l	5.0	--	2
1,3-Dichlorobenzene	ND		ug/l	5.0	--	2
1,4-Dichlorobenzene	ND		ug/l	5.0	--	2

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-22 D  
 Client ID: TW-2  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 11:40  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	2.0	--	2
p/m-Xylene	ND		ug/l	2.0	--	2
o-Xylene	ND		ug/l	2.0	--	2
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	2
Dibromomethane	ND		ug/l	10	--	2
1,2,3-Trichloropropane	ND		ug/l	10	--	2
Acrylonitrile	ND		ug/l	10	--	2
Styrene	ND		ug/l	2.0	--	2
Dichlorodifluoromethane	ND		ug/l	10	--	2
Acetone	17		ug/l	10	--	2
Carbon disulfide	ND		ug/l	10	--	2
2-Butanone	ND		ug/l	10	--	2
Vinyl acetate	ND		ug/l	10	--	2
4-Methyl-2-pentanone	ND		ug/l	10	--	2
2-Hexanone	ND		ug/l	10	--	2
Bromochloromethane	ND		ug/l	5.0	--	2
2,2-Dichloropropane	ND		ug/l	5.0	--	2
1,2-Dibromoethane	ND		ug/l	4.0	--	2
1,3-Dichloropropane	ND		ug/l	5.0	--	2
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	2
Bromobenzene	ND		ug/l	5.0	--	2
n-Butylbenzene	ND		ug/l	1.0	--	2
sec-Butylbenzene	ND		ug/l	1.0	--	2
tert-Butylbenzene	ND		ug/l	5.0	--	2
o-Chlorotoluene	ND		ug/l	5.0	--	2
p-Chlorotoluene	ND		ug/l	5.0	--	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--	2
Hexachlorobutadiene	ND		ug/l	1.2	--	2
Isopropylbenzene	ND		ug/l	1.0	--	2
p-Isopropyltoluene	ND		ug/l	1.0	--	2
Naphthalene	ND		ug/l	5.0	--	2
n-Propylbenzene	ND		ug/l	1.0	--	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	--	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	--	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	--	2
1,4-Diethylbenzene	ND		ug/l	4.0	--	2
4-Ethyltoluene	ND		ug/l	4.0	--	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	--	2

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-22 D  
 Client ID: TW-2  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 11:40  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	5.0	--	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	100		70-130



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-23 D  
 Client ID: DUP  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 04/28/11 12:06  
 Analyst: PD

Date Collected: 04/14/11 00:00  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	10	--	2
1,1-Dichloroethane	ND		ug/l	1.5	--	2
Chloroform	ND		ug/l	1.5	--	2
Carbon tetrachloride	ND		ug/l	1.0	--	2
1,2-Dichloropropane	ND		ug/l	3.5	--	2
Dibromochloromethane	ND		ug/l	1.0	--	2
1,1,2-Trichloroethane	ND		ug/l	1.5	--	2
Tetrachloroethene	69		ug/l	1.0	--	2
Chlorobenzene	ND		ug/l	1.0	--	2
Trichlorofluoromethane	ND		ug/l	5.0	--	2
1,2-Dichloroethane	ND		ug/l	1.0	--	2
1,1,1-Trichloroethane	ND		ug/l	1.0	--	2
Bromodichloromethane	ND		ug/l	1.0	--	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2
1,1-Dichloropropene	ND		ug/l	5.0	--	2
Bromoform	ND		ug/l	4.0	--	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	2
Benzene	ND		ug/l	1.0	--	2
Toluene	ND		ug/l	1.5	--	2
Ethylbenzene	ND		ug/l	1.0	--	2
Chloromethane	ND		ug/l	5.0	--	2
Bromomethane	ND		ug/l	2.0	--	2
Vinyl chloride	ND		ug/l	2.0	--	2
Chloroethane	ND		ug/l	2.0	--	2
1,1-Dichloroethene	ND		ug/l	1.0	--	2
trans-1,2-Dichloroethene	ND		ug/l	1.5	--	2
Trichloroethene	ND		ug/l	1.0	--	2
1,2-Dichlorobenzene	ND		ug/l	5.0	--	2
1,3-Dichlorobenzene	ND		ug/l	5.0	--	2
1,4-Dichlorobenzene	ND		ug/l	5.0	--	2

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-23 D  
 Client ID: DUP  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 00:00  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	2.0	--	2
p/m-Xylene	ND		ug/l	2.0	--	2
o-Xylene	ND		ug/l	2.0	--	2
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	2
Dibromomethane	ND		ug/l	10	--	2
1,2,3-Trichloropropane	ND		ug/l	10	--	2
Acrylonitrile	ND		ug/l	10	--	2
Styrene	ND		ug/l	2.0	--	2
Dichlorodifluoromethane	ND		ug/l	10	--	2
Acetone	11		ug/l	10	--	2
Carbon disulfide	ND		ug/l	10	--	2
2-Butanone	ND		ug/l	10	--	2
Vinyl acetate	ND		ug/l	10	--	2
4-Methyl-2-pentanone	ND		ug/l	10	--	2
2-Hexanone	ND		ug/l	10	--	2
Bromochloromethane	ND		ug/l	5.0	--	2
2,2-Dichloropropane	ND		ug/l	5.0	--	2
1,2-Dibromoethane	ND		ug/l	4.0	--	2
1,3-Dichloropropane	ND		ug/l	5.0	--	2
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	2
Bromobenzene	ND		ug/l	5.0	--	2
n-Butylbenzene	ND		ug/l	1.0	--	2
sec-Butylbenzene	ND		ug/l	1.0	--	2
tert-Butylbenzene	ND		ug/l	5.0	--	2
o-Chlorotoluene	ND		ug/l	5.0	--	2
p-Chlorotoluene	ND		ug/l	5.0	--	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	--	2
Hexachlorobutadiene	ND		ug/l	1.2	--	2
Isopropylbenzene	ND		ug/l	1.0	--	2
p-Isopropyltoluene	ND		ug/l	1.0	--	2
Naphthalene	ND		ug/l	5.0	--	2
n-Propylbenzene	ND		ug/l	1.0	--	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	--	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	--	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	--	2
1,4-Diethylbenzene	ND		ug/l	4.0	--	2
4-Ethyltoluene	ND		ug/l	4.0	--	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	--	2

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

Lab ID: L1105210-23 D  
 Client ID: DUP  
 Sample Location: BROOKLYN, NY

Date Collected: 04/14/11 00:00  
 Date Received: 04/18/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	5.0	--	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	104		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/19/11 07:30  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-11,13-15,17 Batch: WG463721-3					
Methylene chloride	ND		ug/kg	25	--
1,1-Dichloroethane	ND		ug/kg	3.8	--
Chloroform	ND		ug/kg	3.8	--
Carbon tetrachloride	ND		ug/kg	2.5	--
1,2-Dichloropropane	ND		ug/kg	8.8	--
Dibromochloromethane	ND		ug/kg	2.5	--
1,1,2-Trichloroethane	ND		ug/kg	3.8	--
Tetrachloroethene	ND		ug/kg	2.5	--
Chlorobenzene	ND		ug/kg	2.5	--
Trichlorofluoromethane	ND		ug/kg	12	--
1,2-Dichloroethane	ND		ug/kg	2.5	--
1,1,1-Trichloroethane	ND		ug/kg	2.5	--
Bromodichloromethane	ND		ug/kg	2.5	--
trans-1,3-Dichloropropene	ND		ug/kg	2.5	--
cis-1,3-Dichloropropene	ND		ug/kg	2.5	--
1,1-Dichloropropene	ND		ug/kg	12	--
Bromoform	ND		ug/kg	10	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	--
Benzene	ND		ug/kg	2.5	--
Toluene	ND		ug/kg	3.8	--
Ethylbenzene	ND		ug/kg	2.5	--
Chloromethane	ND		ug/kg	12	--
Bromomethane	ND		ug/kg	5.0	--
Vinyl chloride	ND		ug/kg	5.0	--
Chloroethane	ND		ug/kg	5.0	--
1,1-Dichloroethene	ND		ug/kg	2.5	--
trans-1,2-Dichloroethene	ND		ug/kg	3.8	--
Trichloroethene	ND		ug/kg	2.5	--
1,2-Dichlorobenzene	ND		ug/kg	12	--
1,3-Dichlorobenzene	ND		ug/kg	12	--

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/19/11 07:30  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-11,13-15,17 Batch: WG463721-3					
1,4-Dichlorobenzene	ND		ug/kg	12	--
Methyl tert butyl ether	ND		ug/kg	5.0	--
p/m-Xylene	ND		ug/kg	5.0	--
o-Xylene	ND		ug/kg	5.0	--
cis-1,2-Dichloroethene	ND		ug/kg	2.5	--
Dibromomethane	ND		ug/kg	25	--
Styrene	ND		ug/kg	5.0	--
Dichlorodifluoromethane	ND		ug/kg	25	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	25	--
2-Butanone	ND		ug/kg	25	--
Vinyl acetate	ND		ug/kg	25	--
4-Methyl-2-pentanone	ND		ug/kg	25	--
1,2,3-Trichloropropane	ND		ug/kg	25	--
2-Hexanone	ND		ug/kg	25	--
Bromochloromethane	ND		ug/kg	12	--
2,2-Dichloropropane	ND		ug/kg	12	--
1,2-Dibromoethane	ND		ug/kg	10	--
1,3-Dichloropropane	ND		ug/kg	12	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	--
Bromobenzene	ND		ug/kg	12	--
n-Butylbenzene	ND		ug/kg	2.5	--
sec-Butylbenzene	ND		ug/kg	2.5	--
tert-Butylbenzene	ND		ug/kg	12	--
o-Chlorotoluene	ND		ug/kg	12	--
p-Chlorotoluene	ND		ug/kg	12	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	--
Hexachlorobutadiene	ND		ug/kg	12	--
Isopropylbenzene	ND		ug/kg	2.5	--
p-Isopropyltoluene	ND		ug/kg	2.5	--

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/19/11 07:30  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06,08-11,13-15,17 Batch: WG463721-3					
Naphthalene	ND		ug/kg	12	--
Acrylonitrile	ND		ug/kg	25	--
n-Propylbenzene	ND		ug/kg	2.5	--
1,2,3-Trichlorobenzene	ND		ug/kg	12	--
1,2,4-Trichlorobenzene	ND		ug/kg	12	--
1,3,5-Trimethylbenzene	ND		ug/kg	12	--
1,2,4-Trimethylbenzene	ND		ug/kg	12	--
1,4-Diethylbenzene	ND		ug/kg	10	--
4-Ethyltoluene	ND		ug/kg	10	--
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	--
Ethyl ether	ND		ug/kg	12	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	109		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/21/11 09:36  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG464056-3					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/21/11 09:36  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG464056-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/21/11 09:36  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG464056-3					
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
1,4-Diethylbenzene	ND		ug/l	2.0	--
4-Ethyltoluene	ND		ug/l	2.0	--
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/21/11 09:33  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12,16,18-19 Batch: WG464144-3					
Methylene chloride	ND		ug/kg	25	--
1,1-Dichloroethane	ND		ug/kg	3.8	--
Chloroform	ND		ug/kg	3.8	--
Carbon tetrachloride	ND		ug/kg	2.5	--
1,2-Dichloropropane	ND		ug/kg	8.8	--
Dibromochloromethane	ND		ug/kg	2.5	--
1,1,2-Trichloroethane	ND		ug/kg	3.8	--
Tetrachloroethene	ND		ug/kg	2.5	--
Chlorobenzene	ND		ug/kg	2.5	--
Trichlorofluoromethane	ND		ug/kg	12	--
1,2-Dichloroethane	ND		ug/kg	2.5	--
1,1,1-Trichloroethane	ND		ug/kg	2.5	--
Bromodichloromethane	ND		ug/kg	2.5	--
trans-1,3-Dichloropropene	ND		ug/kg	2.5	--
cis-1,3-Dichloropropene	ND		ug/kg	2.5	--
1,1-Dichloropropene	ND		ug/kg	12	--
Bromoform	ND		ug/kg	10	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	--
Benzene	ND		ug/kg	2.5	--
Toluene	ND		ug/kg	3.8	--
Ethylbenzene	ND		ug/kg	2.5	--
Chloromethane	ND		ug/kg	12	--
Bromomethane	ND		ug/kg	5.0	--
Vinyl chloride	ND		ug/kg	5.0	--
Chloroethane	ND		ug/kg	5.0	--
1,1-Dichloroethene	ND		ug/kg	2.5	--
trans-1,2-Dichloroethene	ND		ug/kg	3.8	--
Trichloroethene	ND		ug/kg	2.5	--
1,2-Dichlorobenzene	ND		ug/kg	12	--
1,3-Dichlorobenzene	ND		ug/kg	12	--
1,4-Dichlorobenzene	ND		ug/kg	12	--

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/21/11 09:33  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12,16,18-19 Batch: WG464144-3					
Methyl tert butyl ether	ND		ug/kg	5.0	--
p/m-Xylene	ND		ug/kg	5.0	--
o-Xylene	ND		ug/kg	5.0	--
cis-1,2-Dichloroethene	ND		ug/kg	2.5	--
Dibromomethane	ND		ug/kg	25	--
Styrene	ND		ug/kg	5.0	--
Dichlorodifluoromethane	ND		ug/kg	25	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	25	--
2-Butanone	ND		ug/kg	25	--
Vinyl acetate	ND		ug/kg	25	--
4-Methyl-2-pentanone	ND		ug/kg	25	--
1,2,3-Trichloropropane	ND		ug/kg	25	--
2-Hexanone	ND		ug/kg	25	--
Bromochloromethane	ND		ug/kg	12	--
2,2-Dichloropropane	ND		ug/kg	12	--
1,2-Dibromoethane	ND		ug/kg	10	--
1,3-Dichloropropane	ND		ug/kg	12	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	--
Bromobenzene	ND		ug/kg	12	--
n-Butylbenzene	ND		ug/kg	2.5	--
sec-Butylbenzene	ND		ug/kg	2.5	--
tert-Butylbenzene	ND		ug/kg	12	--
o-Chlorotoluene	ND		ug/kg	12	--
p-Chlorotoluene	ND		ug/kg	12	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	--
Hexachlorobutadiene	ND		ug/kg	12	--
Isopropylbenzene	ND		ug/kg	2.5	--
p-Isopropyltoluene	ND		ug/kg	2.5	--
Naphthalene	ND		ug/kg	12	--
Acrylonitrile	ND		ug/kg	25	--

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/21/11 09:33  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12,16,18-19 Batch: WG464144-3					
n-Propylbenzene	ND		ug/kg	2.5	--
1,2,3-Trichlorobenzene	ND		ug/kg	12	--
1,2,4-Trichlorobenzene	ND		ug/kg	12	--
1,3,5-Trimethylbenzene	ND		ug/kg	12	--
1,2,4-Trimethylbenzene	ND		ug/kg	12	--
1,4-Diethylbenzene	ND		ug/kg	10	--
4-Ethyltoluene	ND		ug/kg	10	--
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	--
Ethyl ether	ND		ug/kg	12	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	101		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/21/11 22:03  
Analyst: CF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20-21 Batch: WG464235-3					
Methylene chloride	ND		ug/kg	25	--
1,1-Dichloroethane	ND		ug/kg	3.8	--
Chloroform	ND		ug/kg	3.8	--
Carbon tetrachloride	ND		ug/kg	2.5	--
1,2-Dichloropropane	ND		ug/kg	8.8	--
Dibromochloromethane	ND		ug/kg	2.5	--
1,1,2-Trichloroethane	ND		ug/kg	3.8	--
Tetrachloroethene	ND		ug/kg	2.5	--
Chlorobenzene	ND		ug/kg	2.5	--
Trichlorofluoromethane	ND		ug/kg	12	--
1,2-Dichloroethane	ND		ug/kg	2.5	--
1,1,1-Trichloroethane	ND		ug/kg	2.5	--
Bromodichloromethane	ND		ug/kg	2.5	--
trans-1,3-Dichloropropene	ND		ug/kg	2.5	--
cis-1,3-Dichloropropene	ND		ug/kg	2.5	--
1,1-Dichloropropene	ND		ug/kg	12	--
Bromoform	ND		ug/kg	10	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	--
Benzene	ND		ug/kg	2.5	--
Toluene	ND		ug/kg	3.8	--
Ethylbenzene	ND		ug/kg	2.5	--
Chloromethane	ND		ug/kg	12	--
Bromomethane	ND		ug/kg	5.0	--
Vinyl chloride	ND		ug/kg	5.0	--
Chloroethane	ND		ug/kg	5.0	--
1,1-Dichloroethene	ND		ug/kg	2.5	--
trans-1,2-Dichloroethene	ND		ug/kg	3.8	--
Trichloroethene	ND		ug/kg	2.5	--
1,2-Dichlorobenzene	ND		ug/kg	12	--
1,3-Dichlorobenzene	ND		ug/kg	12	--
1,4-Dichlorobenzene	ND		ug/kg	12	--

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/21/11 22:03  
Analyst: CF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20-21 Batch: WG464235-3					
Methyl tert butyl ether	ND		ug/kg	5.0	--
p/m-Xylene	ND		ug/kg	5.0	--
o-Xylene	ND		ug/kg	5.0	--
cis-1,2-Dichloroethene	ND		ug/kg	2.5	--
Dibromomethane	ND		ug/kg	25	--
Styrene	ND		ug/kg	5.0	--
Dichlorodifluoromethane	ND		ug/kg	25	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	25	--
2-Butanone	ND		ug/kg	25	--
Vinyl acetate	ND		ug/kg	25	--
4-Methyl-2-pentanone	ND		ug/kg	25	--
1,2,3-Trichloropropane	ND		ug/kg	25	--
2-Hexanone	ND		ug/kg	25	--
Bromochloromethane	ND		ug/kg	12	--
2,2-Dichloropropane	ND		ug/kg	12	--
1,2-Dibromoethane	ND		ug/kg	10	--
1,3-Dichloropropane	ND		ug/kg	12	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	--
Bromobenzene	ND		ug/kg	12	--
n-Butylbenzene	ND		ug/kg	2.5	--
sec-Butylbenzene	ND		ug/kg	2.5	--
tert-Butylbenzene	ND		ug/kg	12	--
o-Chlorotoluene	ND		ug/kg	12	--
p-Chlorotoluene	ND		ug/kg	12	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	--
Hexachlorobutadiene	ND		ug/kg	12	--
Isopropylbenzene	ND		ug/kg	2.5	--
p-Isopropyltoluene	ND		ug/kg	2.5	--
Naphthalene	ND		ug/kg	12	--
Acrylonitrile	ND		ug/kg	25	--

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/21/11 22:03  
Analyst: CF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20-21 Batch: WG464235-3					
n-Propylbenzene	ND		ug/kg	2.5	--
1,2,3-Trichlorobenzene	ND		ug/kg	12	--
1,2,4-Trichlorobenzene	ND		ug/kg	12	--
1,3,5-Trimethylbenzene	ND		ug/kg	12	--
1,2,4-Trimethylbenzene	ND		ug/kg	12	--
1,4-Diethylbenzene	ND		ug/kg	10	--
4-Ethyltoluene	ND		ug/kg	10	--
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	--
Ethyl ether	ND		ug/kg	12	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	101		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/26/11 08:22  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG464786-3					
Methylene chloride	ND		ug/kg	25	--
1,1-Dichloroethane	ND		ug/kg	3.8	--
Chloroform	ND		ug/kg	3.8	--
Carbon tetrachloride	ND		ug/kg	2.5	--
1,2-Dichloropropane	ND		ug/kg	8.8	--
Dibromochloromethane	ND		ug/kg	2.5	--
1,1,2-Trichloroethane	ND		ug/kg	3.8	--
Tetrachloroethene	ND		ug/kg	2.5	--
Chlorobenzene	ND		ug/kg	2.5	--
Trichlorofluoromethane	ND		ug/kg	12	--
1,2-Dichloroethane	ND		ug/kg	2.5	--
1,1,1-Trichloroethane	ND		ug/kg	2.5	--
Bromodichloromethane	ND		ug/kg	2.5	--
trans-1,3-Dichloropropene	ND		ug/kg	2.5	--
cis-1,3-Dichloropropene	ND		ug/kg	2.5	--
1,1-Dichloropropene	ND		ug/kg	12	--
Bromoform	ND		ug/kg	10	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	--
Benzene	ND		ug/kg	2.5	--
Toluene	ND		ug/kg	3.8	--
Ethylbenzene	ND		ug/kg	2.5	--
Chloromethane	ND		ug/kg	12	--
Bromomethane	ND		ug/kg	5.0	--
Vinyl chloride	ND		ug/kg	5.0	--
Chloroethane	ND		ug/kg	5.0	--
1,1-Dichloroethene	ND		ug/kg	2.5	--
trans-1,2-Dichloroethene	ND		ug/kg	3.8	--
Trichloroethene	ND		ug/kg	2.5	--
1,2-Dichlorobenzene	ND		ug/kg	12	--
1,3-Dichlorobenzene	ND		ug/kg	12	--
1,4-Dichlorobenzene	ND		ug/kg	12	--



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/26/11 08:22  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG464786-3					
Methyl tert butyl ether	ND		ug/kg	5.0	--
p/m-Xylene	ND		ug/kg	5.0	--
o-Xylene	ND		ug/kg	5.0	--
cis-1,2-Dichloroethene	ND		ug/kg	2.5	--
Dibromomethane	ND		ug/kg	25	--
Styrene	ND		ug/kg	5.0	--
Dichlorodifluoromethane	ND		ug/kg	25	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	25	--
2-Butanone	ND		ug/kg	25	--
Vinyl acetate	ND		ug/kg	25	--
4-Methyl-2-pentanone	ND		ug/kg	25	--
1,2,3-Trichloropropane	ND		ug/kg	25	--
2-Hexanone	ND		ug/kg	25	--
Bromochloromethane	ND		ug/kg	12	--
2,2-Dichloropropane	ND		ug/kg	12	--
1,2-Dibromoethane	ND		ug/kg	10	--
1,3-Dichloropropane	ND		ug/kg	12	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	--
Bromobenzene	ND		ug/kg	12	--
n-Butylbenzene	ND		ug/kg	2.5	--
sec-Butylbenzene	ND		ug/kg	2.5	--
tert-Butylbenzene	ND		ug/kg	12	--
o-Chlorotoluene	ND		ug/kg	12	--
p-Chlorotoluene	ND		ug/kg	12	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	--
Hexachlorobutadiene	ND		ug/kg	12	--
Isopropylbenzene	ND		ug/kg	2.5	--
p-Isopropyltoluene	ND		ug/kg	2.5	--
Naphthalene	ND		ug/kg	12	--
Acrylonitrile	ND		ug/kg	25	--

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/26/11 08:22  
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG464786-3					
n-Propylbenzene	ND		ug/kg	2.5	--
1,2,3-Trichlorobenzene	ND		ug/kg	12	--
1,2,4-Trichlorobenzene	ND		ug/kg	12	--
1,3,5-Trimethylbenzene	ND		ug/kg	12	--
1,2,4-Trimethylbenzene	ND		ug/kg	12	--
1,4-Diethylbenzene	ND		ug/kg	10	--
4-Ethyltoluene	ND		ug/kg	10	--
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	--
Ethyl ether	ND		ug/kg	12	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/28/11 09:47  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 23 Batch: WG465146-3					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/28/11 09:47  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 23 Batch: WG465146-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 04/28/11 09:47  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 23 Batch: WG465146-3					
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
1,4-Diethylbenzene	ND		ug/l	2.0	--
4-Ethyltoluene	ND		ug/l	2.0	--
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	105		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06,08-11,13-15,17 Batch: WG463721-1 WG463721-2								
Chlorobenzene	89		89		60-133	0		30
Benzene	90		91		66-142	1		30
Toluene	85		83		59-139	2		30
1,1-Dichloroethene	81		78		59-172	4		30
Trichloroethene	89		89		62-137	0		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	123		122		70-130
Toluene-d8	106		107		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	110		111		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22 Batch: WG464056-1 WG464056-2								
Chlorobenzene	102		95		75-130	7		20
Benzene	96		90		76-127	6		20
Toluene	96		89		76-125	8		20
1,1-Dichloroethene	90		80		61-145	12		20
Trichloroethene	99		92		71-120	7		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	105		104		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	85		85		70-130
Dibromofluoromethane	107		106		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12,16,18-19 Batch: WG464144-1 WG464144-2								
Chlorobenzene	93		97		60-133	4		30
Benzene	95		100		66-142	5		30
Toluene	89		92		59-139	3		30
1,1-Dichloroethene	85		90		59-172	6		30
Trichloroethene	92		99		62-137	7		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	114		116		70-130
Toluene-d8	103		106		70-130
4-Bromofluorobenzene	91		95		70-130
Dibromofluoromethane	101		104		70-130



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20-21 Batch: WG464235-1 WG464235-2								
Chlorobenzene	98		99		60-133	1		30
Benzene	100		102		66-142	2		30
Toluene	95		97		59-139	2		30
1,1-Dichloroethene	96		95		59-172	1		30
Trichloroethene	99		100		62-137	1		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	113		113		70-130
Toluene-d8	105		107		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	104		106		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG464786-1 WG464786-2								
Chlorobenzene	100		99		60-133	1		30
Benzene	104		101		66-142	3		30
Toluene	103		101		59-139	2		30
1,1-Dichloroethene	108		103		59-172	5		30
Trichloroethene	104		100		62-137	4		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	101		100		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	101		100		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 23 Batch: WG465146-1 WG465146-2								
Chlorobenzene	98		96		75-130	2		20
Benzene	93		93		76-127	0		20
Toluene	90		89		76-125	1		20
1,1-Dichloroethene	92		89		61-145	3		20
Trichloroethene	102		100		71-120	2		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	105		107		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	84		84		70-130
Dibromofluoromethane	107		107		70-130

# **INORGANICS & MISCELLANEOUS**

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-01  
**Client ID:** SB-1A  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 11:50  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-02  
**Client ID:** SB-1B  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 11:55  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-03  
**Client ID:** SB-2A  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 12:20  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-04  
**Client ID:** SB-2B  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 12:25  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF





**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-05  
**Client ID:** SB-3A  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 13:50  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-06  
**Client ID:** SB-3B  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 13:55  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-07  
**Client ID:** SB-4A  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 16:20  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	04/27/11 11:28	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-08  
**Client ID:** SB-4B  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 16:25  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-09  
**Client ID:** SB-5A  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 11:20  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-10  
**Client ID:** SB-5B  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 11:25  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-11  
**Client ID:** SB-6  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 12:40  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-12  
**Client ID:** SB-7A  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/13/11 12:25  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF





**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-13  
**Client ID:** SB-7B  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/13/11 12:30  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-14  
**Client ID:** SB-8A  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/13/11 16:00  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-15  
**Client ID:** SB-8B  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/13/11 16:05  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-16  
**Client ID:** SB-9A  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/13/11 10:30  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-17  
**Client ID:** SB-9B  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/13/11 10:35  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-18  
**Client ID:** SB-10A  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/13/11 14:50  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-19  
**Client ID:** SB-10B  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/13/11 14:55  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-20  
**Client ID:** PIPE 1  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 16:25  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF





**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**SAMPLE RESULTS**

**Lab ID:** L1105210-21  
**Client ID:** PIPE 2  
**Sample Location:** BROOKLYN, NY  
**Matrix:** Soil

**Date Collected:** 04/14/11 16:30  
**Date Received:** 04/18/11  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65		%	0.10	NA	1	-	04/20/11 08:05	30,2540G	MF



## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06,08-21 QC Batch ID: WG463789-1 QC Sample: L1105210-01 Client ID: SB-1A						
Solids, Total	92	92	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG464928-1 QC Sample: L1105210-07 Client ID: SB-4A						
Solids, Total	92	92	%	0		20

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

### Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

#### Cooler Information Custody Seal Cooler

A Absent

#### Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1105210-01A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-02A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-03A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-04A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-05A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-06A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-07A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-08A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-09A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-10A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-11A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-12A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-13A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-14A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-15A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-16A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-17A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-18A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-19A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-20A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-21A	Vial Large unpreserved	A	N/A	3	Y	Absent	TS(7),NYTCL-8260(14)
L1105210-22A	Vial HCl preserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1105210-22B	Vial HCl preserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1105210-22C	Vial HCl preserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1105210-23A	Vial HCl preserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1105210-23B	Vial HCl preserved	A	N/A	3	Y	Absent	NYTCL-8260(14)
L1105210-23C	Vial HCl preserved	A	N/A	3	Y	Absent	NYTCL-8260(14)

\*Values in parentheses indicate holding time in days

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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\*Values in parentheses indicate holding time in days



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

## GLOSSARY

### Acronyms

- EPA** - Environmental Protection Agency.
- LCS** - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCS D** - Laboratory Control Sample Duplicate: Refer to LCS.
- MDL** - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- MS** - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MS D** - Matrix Spike Sample Duplicate: Refer to MS.
- NA** - Not Applicable.
- NC** - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- NI** - Not Ignitable.
- RL** - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD** - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when

Report Format: Data Usability Report



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

*Data Qualifiers*

the sample concentrations are less than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the reporting limit (RL) for the sample.

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1105210  
**Report Date:** 04/29/11

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised February 23, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water* (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LCHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.



Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water (Inorganic Parameters:* SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials (Inorganic Parameters:* SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water (Inorganic Parameters:* SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water (Inorganic Parameters:* SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste (Inorganic Parameters:* 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.**

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. *NELAP Accredited.***

*Drinking Water (Organic Parameters:* EPA 524.2)

*Non-Potable Water (Inorganic Parameters:* EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste (Inorganic Parameters:* EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health Certificate/Lab ID: LAO00065. *NELAP Accredited via NY-DOH.***

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. *NELAP Accredited.***

*Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)*

*Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)*

**Department of Defense Certificate/Lab ID: L2217.**

*Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)*

*Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)*

*Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)*

**Analytes Not Accredited by NELAP**

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.



# NJ CHAIN OF CUSTODY

PAGE 1 OF 3

WESTBORO, MA  
8 Walkup Drive  
TEL: 508-898-9220  
FAX: 508-898-9193

MANSHFIELD, MA  
320 Forbes Blvd  
TEL: 508-822-9300  
FAX: 508-922-3288

### Client Information

Client: **ARCADIS-US**  
Address: **35 Columbia Rd.**  
**Branchburg, NJ 08876**

Project Name: **Cinderella**  
Project Location: **Brooklyn, NY**  
Project #: **BBD18192.0000**  
Project Manager: **Larry Brunt**

Phone: **908 526 1000**  
Fax: **908 526 7886**  
Email: **casey@ringledarcadis-us.com**  
**carribrunt@arcadis-us.com**

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Project Information  
Project Name: **Cinderella**  
Project Location: **Brooklyn, NY**  
Project #: **BBD18192.0000**  
Project Manager: **Larry Brunt**

Date Rec'd in Lab: **4/18/11**

### Report Type

Data Summary  NJ Full  
 NJ Reduced  Other

### Regulatory Requirements

SRS-Residential/Non Residential  
 SRS-Impact To Groundwater  
 NJ Ground Water Quality Standards  
 Other

ALPHA Job #: **L110521D**

### Billing Information

Same as Client info  PO #:

### Site Information

Is this site impacted by Petroleum?  
Yes / No (circle one)  
(Please indicate Petroleum Product - See Table 2-1 on reverse side)  
Petroleum Product: \_\_\_\_\_

Are any samples for waste disposal?  
Yes / No (circle one)  
(Please indicate which samples below in Sample Specific Comments field)

### SAMPLE HANDLING

Filtration \_\_\_\_\_  
 Done  
 Not needed  
 Lab to do  
 Preservation  
 Lab to do

### Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Analysis
		Date	Time			
05210.1	SB-1A	4/14/11	1150	soil	CBE	X
2	SB-1B		1155			X
3	SB-2A		1220			X
4	SB-2B		1225			X
5	SB-3A		1350			X
6	SB-3B		1355			X
7	SB-4A		1620			X
8	SB-4B		1625			X
9	SB-5A		1120			X
10	SB-5B		1125			X

Preservative Code:  
A = None  
B = HCl  
C = HNO3  
D = H2SO4  
E = NaOH  
F = MeOH  
G = NaHSO4  
H = Other

Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

Container Type  
Preservative

Relinquished By: **D. Carillo**  
Date/Time: **4/18/11 14:32**

Received By: **[Signature]**  
Date/Time: **4/18/11 17:00**

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



# NJ CHAIN OF CUSTODY

PAGE 2 OF 3

WESTBORO, MA  
8 Walkup Drive  
TEL: 508-898-9220  
FAX: 508-898-9159

MANFIELD, MA  
320 Forbes Blvd  
TEL: 508-822-9390  
FAX: 508-822-5289

## Client Information

Client: **ARCADIS-US**

Address: \_\_\_\_\_

Project #: **BB018192.0000**

Project Manager: **Larry Burt**

ALPHA Quote #: \_\_\_\_\_

Turn-Around Time  
 Standard  RUSH (only confirmed if pre-approved)  
Date Due: **4/25/11** Time: \_\_\_\_\_

Email: \_\_\_\_\_

These samples have been previously analyzed by Alpha

For EPH you MUST indicate Category 1 or 2. Please check one of the following:  
 Category 1  Category 2

Date Rec'd in Lab: **4/18/11**

Report Type  
 Data Summary  NJ Full  
 NJ Reduced  Other \_\_\_\_\_

Regulatory Requirements  
 SRS-Residential/Non Residential  
 SRS-Impact To Groundwater  
 NJ Ground Water Quality Standards  
 Other \_\_\_\_\_

Site Information  
Is this site impacted by Petroleum?  
Yes / No (circle one)  
(Please indicate Petroleum Product - See Table 2-1 on reverse side)  
Petroleum Product: \_\_\_\_\_

Are any samples for waste disposal?  
Yes / No (circle one)  
(Please indicate which samples below in Sample Specific Comments field)

Billing Information  
 Same as Client info  PO #: \_\_\_\_\_

ALPHA Job #: **21105210**

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS
		Date	Time			

05210.11	SR-6	4/14/11	1240	soil	CBP	X
12	SR-7A	4/13/11	1225			X
13	SR-7B		1230			X
14	SR-8A		1600			X
15	SR-8B		1605			X
16	SR-9A		1030			X
17	SR-9B		1035			X
18	SR-10A		1450			X
19	SR-10B		1455			X
20	Pipe 1	4/14/11	1625			X

Preservative Code:  
A = None  
B = HCl  
C = HNO3  
D = H2SO4  
E = NaOH  
F = MeOH  
G = NaHSO4  
H = Other

Westboro: Certification No: MA935  
Manfield: Certification No: MA015

Relinquished By: **D. Guille** Date/Time: **4/18/11 17:00**

Received By: **[Signature]** Date/Time: **4/18/11 17:00**

Container Type: \_\_\_\_\_ Preservative: \_\_\_\_\_

Turn-Around Time: **2140**

Site Information: **NY TCT VO**

Sample Specific Comments: \_\_\_\_\_

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



WESTBORO, MA  
8 Walkup Drive  
TEL: 508-898-8720  
FAX: 508-898-9198

MANSHFIELD, MA  
320 Forbes Blvd  
TEL: 508-822-9300  
FAX: 508-822-3288

# NJ CHAIN OF CUSTODY

Date Rec'd in Lab: 4/18/11

ALPHA Job #: L1105216

### Client Information

Client: ARCADIS-US

Project Name: Candarella

Project Location: Brooklyn NY

Project #: BB018192.0000

Project Manager: Larry Burt

Report Type  
 Data Summary  NJ Full  
 NJ Reduced  Other

Billing Information  
 Same as Client info PO #: \_\_\_\_\_

Address: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Regulatory Requirements  
 SRS-Residential/Non Residential  
 SRS-Impact To Groundwater  
 NJ Ground Water Quality Standards  
 Other \_\_\_\_\_

Site Information  
 Is this site impacted by Petroleum?  
 Yes / No (circle one)  
 (Please include Petroleum Product - See Table 2-1 on reverse side)  
 Petroleum Product: \_\_\_\_\_

Phone: \_\_\_\_\_

Turn-Around Time

Are any samples for waste disposal?  
 Yes / No (circle one)  
 (Please indicate which samples below in Sample Specific Comments field)

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

These samples have been previously analyzed by Alpha

Date Due: 4/25/11 Time: \_\_\_\_\_

For EPH you MUST indicate Category 1 or 2. Please check one of the following:

Category 1  Category 2

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS	SAMPLE HANDLING	Sample Specific Comments
		Date	Time					

0521021	Pipe 2	4/14/11	1630	Soil	CBP	X		
22	TW-2	4/14/11	1140	liquors	CBP	X		
23	DUP	4/14/11		liquors	CBP	X		Hold Analysis

Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

Relinquished By: R. Emilio Date/Time: 4/18/11 14:32

Received By: [Signature] Date/Time: 4/18/11 14:32

Container Type: \_\_\_\_\_ Preservative: \_\_\_\_\_

Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Container Type: \_\_\_\_\_ Preservative: \_\_\_\_\_

Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Container Type: \_\_\_\_\_ Preservative: \_\_\_\_\_

Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Container Type: \_\_\_\_\_ Preservative: \_\_\_\_\_

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



## ANALYTICAL REPORT

Lab Number:	L1107458
Client:	Arcadis U.S., Inc 35 Columbia Road Branchburg, NJ 08876
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	CINDERELLA
Project Number:	BB018192.0000
Report Date:	06/02/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1107458-01	TW-3	BROOKLYN, NY	05/25/11 15:00
L1107458-02	DUP-3	BROOKLYN, NY	05/25/11 17:00
L1107458-03	TW-1	BROOKLYN, NY	05/25/11 17:20
L1107458-04	FIELD BLANK	BROOKLYN, NY	05/25/11 17:50
L1107458-05	TRIP BLANK	BROOKLYN, NY	05/25/11 00:00

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

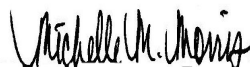
---

### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 06/02/11



# ORGANICS

# VOLATILES

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

**SAMPLE RESULTS**

Lab ID: L1107458-01  
 Client ID: TW-3  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 06/02/11 11:56  
 Analyst: PD

Date Collected: 05/25/11 15:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	0.60	J	ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	21		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

**SAMPLE RESULTS**

Lab ID: L1107458-01  
 Client ID: TW-3  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 15:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	1.6	J	ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

**SAMPLE RESULTS**

Lab ID: L1107458-01  
 Client ID: TW-3  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 15:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	90		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

**SAMPLE RESULTS**

Lab ID: L1107458-03  
 Client ID: TW-1  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 06/02/11 12:31  
 Analyst: PD

Date Collected: 05/25/11 17:20  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	3.9		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

**SAMPLE RESULTS**

Lab ID: L1107458-03  
 Client ID: TW-1  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 17:20  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	6.1		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	2.6	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

**SAMPLE RESULTS**

Lab ID: L1107458-03  
 Client ID: TW-1  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 17:20  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 06/02/11 09:33  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG470843-3					
Methylene chloride	ND		ug/l	5.0	0.54
1,1-Dichloroethane	ND		ug/l	0.75	0.22
Chloroform	ND		ug/l	0.75	0.20
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.8	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.19
Trichlorofluoromethane	ND		ug/l	2.5	0.27
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.26
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	0.75	0.23
Ethylbenzene	ND		ug/l	0.50	0.26
Chloromethane	ND		ug/l	2.5	0.28
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.22
Chloroethane	ND		ug/l	1.0	0.23
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 06/02/11 09:33  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG470843-3					
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.35
o-Xylene	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Dibromomethane	ND		ug/l	5.0	0.36
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43
Acrylonitrile	ND		ug/l	5.0	0.43
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.30
Acetone	ND		ug/l	5.0	1.6
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	0.31
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.58
Bromochloromethane	ND		ug/l	2.5	0.33
2,2-Dichloropropane	ND		ug/l	2.5	0.40
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,3-Dichloropropane	ND		ug/l	2.5	0.21
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16
Bromobenzene	ND		ug/l	2.5	0.18
n-Butylbenzene	ND		ug/l	0.50	0.20
sec-Butylbenzene	ND		ug/l	0.50	0.18
tert-Butylbenzene	ND		ug/l	2.5	0.30
o-Chlorotoluene	ND		ug/l	2.5	0.18
p-Chlorotoluene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Hexachlorobutadiene	ND		ug/l	0.60	0.23
Isopropylbenzene	ND		ug/l	0.50	0.19
p-Isopropyltoluene	ND		ug/l	0.50	0.19
Naphthalene	ND		ug/l	2.5	0.22

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 06/02/11 09:33  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG470843-3					
n-Propylbenzene	ND		ug/l	0.50	0.17
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27
1,4-Diethylbenzene	ND		ug/l	2.0	0.11
4-Ethyltoluene	ND		ug/l	2.0	0.42
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10
Ethyl ether	ND		ug/l	2.5	0.20
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG470843-1 WG470843-2								
Chlorobenzene	105		104		75-130	1		20
Benzene	100		99		76-127	1		20
Toluene	105		103		76-125	2		20
1,1-Dichloroethene	86		84		61-145	2		20
Trichloroethene	96		96		71-120	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	92		96		70-130
Toluene-d8	100		102		70-130
4-Bromofluorobenzene	101		106		70-130
Dibromofluoromethane	92		95		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

### Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

#### Cooler Information Custody Seal

##### Cooler

A Absent

#### Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1107458-01A	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107458-01B	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107458-01C	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107458-02A	Vial HCl preserved	A	N/A	2	Y	Absent	HOLD(14)
L1107458-02B	Vial HCl preserved	A	N/A	2	Y	Absent	HOLD(14)
L1107458-02C	Vial HCl preserved	A	N/A	2	Y	Absent	HOLD(14)
L1107458-03A	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107458-03B	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107458-03C	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107458-04A	Vial HCl preserved	A	N/A	2	Y	Absent	HOLD(14)
L1107458-04B	Vial HCl preserved	A	N/A	2	Y	Absent	HOLD(14)
L1107458-04C	Vial HCl preserved	A	N/A	2	Y	Absent	HOLD(14)
L1107458-05A	Vial HCl preserved	A	N/A	2	Y	Absent	HOLD(14)
L1107458-05B	Vial HCl preserved	A	N/A	2	Y	Absent	HOLD(14)

\*Values in parentheses indicate holding time in days

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

## GLOSSARY

### Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- |          |  |
|----------|--|
| <b>A</b> | - Spectra identified as "Aldol Condensation Product".  |
| <b>B</b> | - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. |
| <b>C</b> | - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.   |
| <b>D</b> | - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.  |
| <b>E</b> | - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.   |
| <b>G</b> | - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.   |
| <b>H</b> | - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.   |
| <b>I</b> | - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.   |
| <b>M</b> | - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.   |
| <b>P</b> | - The RPD between the results for the two columns exceeds the method-specified criteria.   |
| <b>Q</b> | - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less   |

Report Format: DU Report with "J" Qualifiers



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

**Data Qualifiers**

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

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**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107458  
**Report Date:** 06/02/11

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.





## Certificate/Approval Program Summary

Last revised May 23, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water* (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LCHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.**

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. *NELAP Accredited.***

*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health Certificate/Lab ID: LAO00065. *NELAP Accredited via NY-DOH.***

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. *NELAP Accredited.***

*Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)*

*Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)*

**Department of Defense Certificate/Lab ID: L2217.**

*Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)*

*Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)*

*Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)*

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix, SO<sub>4</sub> in a soil matrix.



# NJ CHAIN OF CUSTODY

PAGE 1 OF 1

WESTBORO, MA  
8 Walkup Drive  
TEL: 508-898-9220  
FAX: 508-898-9193

MANFIELD, MA  
320 Forbes Blvd  
TEL: 508-822-9300  
FAX: 508-822-3288

**Client Information**

Client: **ARCADIS**  
Address: **35 Columbia Rd.,  
Branchburg, NJ 08876**  
Phone: **908 526 1000**  
Fax: **908 526 7886**  
Email: **Larry.Brust@arcadis-us.com**

These samples have been previously analyzed by Alpha

For EPH you MUST indicate Category 1 or 2. Please check one of the following:

Category 1       Category 2

**Project Information**

Project Name: **Candarella**  
Project Location: **Brooklyn, NY**  
Project #: **B081819a.0000**  
Project Manager: **Larry Brust**  
ALPHA Quote #:  
Turn-Around Time

Standard       RUSH (only confirmed if pre-approved)

Date Due: **6/3/11** Time:

**Report Type**

Data Summary     NJ Full  
 NJ Reduced       Other

Date Rec'd in Lab: **5/26/11**

**5/26/11**

ALPHA Job #: **21107458**

**Billing Information**

Same as Client info      PO #:

**Site Information**

Is this site impacted by Petroleum?  
Yes / No (circle one)  
*(Please indicate Petroleum Product - See Table 2-1 on reverse side)*  
Petroleum Product:

Are any samples for waste disposal?  
Yes / No (circle one)  
*(Please indicate which samples below in Sample Specific Comments field)*

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		

07458.1	TW-3	5/26/11	1500	GW	CSP
2	DUP-3		1700		
3	TW-1		1720		
4	Field Blank				
5	Trip Blank		1750	blank	

TOTAL #	ANALYSIS	SAMPLE HANDLING	Sample Specific Comments
3	NY TCLVO		
3	* Hold analysis		
3			
3			
2			

Westboro: Certification No: MA935  
Manfield: Certification No: MA015

Container Type  
Preservative

Relinquished By: [Signature]  
Date/Time: 5/26/11 9:30

Received By: [Signature]  
Date/Time: 5/26/11 09:30

Please print clearly, legibly, and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Preservative Code:  
A = None  
B = HCl  
C = HNO3  
D = H2SO4  
E = NaOH  
F = MeOH  
G = NaHSO4  
H = Other

FORM NO.: 01-14 (rev. 30-AUG-10)

Relinquished By: [Signature]  
Date/Time: 5/26/11 9:30

Received By: [Signature]  
Date/Time: 5/26/11 09:30

Relinquished By: [Signature]  
Date/Time: 5/26/11 9:30

Received By: [Signature]  
Date/Time: 5/26/11 09:30

Please print clearly, legibly, and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



## ANALYTICAL REPORT

Lab Number:	L1107940
Client:	Arcadis U.S., Inc 35 Columbia Road Branchburg, NJ 08876
ATTN:	Larry Brunt
Phone:	(908) 526-1000
Project Name:	CINDERELLA
Project Number:	BB018192.0000
Report Date:	06/10/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>
L1107940-01	DUP-3	BROOKLYN, NY	05/25/11 17:00
L1107940-02	FIELD BLANK	BROOKLYN, NY	05/25/11 17:50
L1107940-03	TRIP BLANK	BROOKLYN, NY	05/25/11 00:00

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

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#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

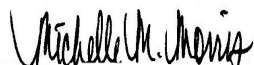
#### Volatile Organics

The surrogate recovery for L1107940-01 was above the acceptance criteria for 1,2-Dichloroethane-d4 (136%); however, re-analysis achieved similar results of 1,2-Dichloroethane-d4 (144%). The results of both analyses are reported.

The surrogate recoveries for L1107940-02 and -03 are above the acceptance criteria for 1,2-Dichloroethane-d4 (141% and 142%, respectively). Since the samples were non-detect for all target analytes, re-analysis was not required.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 06/10/11

# ORGANICS



# VOLATILES

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-01  
 Client ID: DUP-3  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 06/08/11 16:13  
 Analyst: PD

Date Collected: 05/25/11 17:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	0.71	J	ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	25		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-01  
 Client ID: DUP-3  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 17:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	1.6	J	ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-01  
 Client ID: DUP-3  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 17:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	136	Q	70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	109		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-01 R  
 Client ID: DUP-3  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 06/08/11 19:54  
 Analyst: PD

Date Collected: 05/25/11 17:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	0.60	J	ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	19		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-01 R  
 Client ID: DUP-3  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 17:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-01 R  
 Client ID: DUP-3  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 17:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	144	Q	70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-02  
 Client ID: FIELD BLANK  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 06/08/11 16:53  
 Analyst: PD

Date Collected: 05/25/11 17:50  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-02  
 Client ID: FIELD BLANK  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 17:50  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-02  
 Client ID: FIELD BLANK  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 17:50  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	141	Q	70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	111		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-03  
 Client ID: TRIP BLANK  
 Sample Location: BROOKLYN, NY  
 Matrix: Water  
 Analytical Method: 1,8260B  
 Analytical Date: 06/08/11 17:39  
 Analyst: PD

Date Collected: 05/25/11 00:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	5.0	0.54	1
1,1-Dichloroethane	ND		ug/l	0.75	0.22	1
Chloroform	ND		ug/l	0.75	0.20	1
Carbon tetrachloride	ND		ug/l	0.50	0.16	1
1,2-Dichloropropane	ND		ug/l	1.8	0.30	1
Dibromochloromethane	ND		ug/l	0.50	0.19	1
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	0.50	0.19	1
Trichlorofluoromethane	ND		ug/l	2.5	0.27	1
1,2-Dichloroethane	ND		ug/l	0.50	0.16	1
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19	1
Benzene	ND		ug/l	0.50	0.19	1
Toluene	ND		ug/l	0.75	0.23	1
Ethylbenzene	ND		ug/l	0.50	0.26	1
Chloromethane	ND		ug/l	2.5	0.28	1
Bromomethane	ND		ug/l	1.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	1.0	0.23	1
1,1-Dichloroethene	ND		ug/l	0.50	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21	1
Trichloroethene	ND		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-03  
 Client ID: TRIP BLANK  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 00:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methyl tert butyl ether	ND		ug/l	1.0	0.16	1
p/m-Xylene	ND		ug/l	1.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19	1
Dibromomethane	ND		ug/l	5.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43	1
Acrylonitrile	ND		ug/l	5.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	5.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	5.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	0.31	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.5	0.33	1
2,2-Dichloropropane	ND		ug/l	2.5	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
1,3-Dichloropropane	ND		ug/l	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16	1
Bromobenzene	ND		ug/l	2.5	0.18	1
n-Butylbenzene	ND		ug/l	0.50	0.20	1
sec-Butylbenzene	ND		ug/l	0.50	0.18	1
tert-Butylbenzene	ND		ug/l	2.5	0.30	1
o-Chlorotoluene	ND		ug/l	2.5	0.18	1
p-Chlorotoluene	ND		ug/l	2.5	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
p-Isopropyltoluene	ND		ug/l	0.50	0.19	1
Naphthalene	ND		ug/l	2.5	0.22	1
n-Propylbenzene	ND		ug/l	0.50	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27	1
1,4-Diethylbenzene	ND		ug/l	2.0	0.11	1
4-Ethyltoluene	ND		ug/l	2.0	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10	1

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**SAMPLE RESULTS**

Lab ID: L1107940-03  
 Client ID: TRIP BLANK  
 Sample Location: BROOKLYN, NY

Date Collected: 05/25/11 00:00  
 Date Received: 05/26/11  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Ethyl ether	ND		ug/l	2.5	0.20	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	142	Q	70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	110		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 06/08/11 09:47  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG472123-3					
Methylene chloride	ND		ug/l	5.0	0.54
1,1-Dichloroethane	ND		ug/l	0.75	0.22
Chloroform	ND		ug/l	0.75	0.20
Carbon tetrachloride	ND		ug/l	0.50	0.16
1,2-Dichloropropane	ND		ug/l	1.8	0.30
Dibromochloromethane	ND		ug/l	0.50	0.19
1,1,2-Trichloroethane	ND		ug/l	0.75	0.26
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	0.50	0.19
Trichlorofluoromethane	ND		ug/l	2.5	0.27
1,2-Dichloroethane	ND		ug/l	0.50	0.16
1,1,1-Trichloroethane	ND		ug/l	0.50	0.16
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.26
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.19
Benzene	ND		ug/l	0.50	0.19
Toluene	ND		ug/l	0.75	0.23
Ethylbenzene	ND		ug/l	0.50	0.26
Chloromethane	ND		ug/l	2.5	0.28
Bromomethane	ND		ug/l	1.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.22
Chloroethane	ND		ug/l	1.0	0.23
1,1-Dichloroethene	ND		ug/l	0.50	0.18
trans-1,2-Dichloroethene	ND		ug/l	0.75	0.21
Trichloroethene	ND		ug/l	0.50	0.17
1,2-Dichlorobenzene	ND		ug/l	2.5	0.18
1,3-Dichlorobenzene	ND		ug/l	2.5	0.19
1,4-Dichlorobenzene	ND		ug/l	2.5	0.22

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 06/08/11 09:47  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG472123-3					
Methyl tert butyl ether	ND		ug/l	1.0	0.16
p/m-Xylene	ND		ug/l	1.0	0.35
o-Xylene	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	0.50	0.19
Dibromomethane	ND		ug/l	5.0	0.36
1,2,3-Trichloropropane	ND		ug/l	5.0	0.43
Acrylonitrile	ND		ug/l	5.0	0.43
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	5.0	0.30
Acetone	ND		ug/l	5.0	1.6
Carbon disulfide	ND		ug/l	5.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	0.31
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.58
Bromochloromethane	ND		ug/l	2.5	0.33
2,2-Dichloropropane	ND		ug/l	2.5	0.40
1,2-Dibromoethane	ND		ug/l	2.0	0.19
1,3-Dichloropropane	ND		ug/l	2.5	0.21
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.16
Bromobenzene	ND		ug/l	2.5	0.18
n-Butylbenzene	ND		ug/l	0.50	0.20
sec-Butylbenzene	ND		ug/l	0.50	0.18
tert-Butylbenzene	ND		ug/l	2.5	0.30
o-Chlorotoluene	ND		ug/l	2.5	0.18
p-Chlorotoluene	ND		ug/l	2.5	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.33
Hexachlorobutadiene	ND		ug/l	0.60	0.23
Isopropylbenzene	ND		ug/l	0.50	0.19
p-Isopropyltoluene	ND		ug/l	0.50	0.19
Naphthalene	0.35	J	ug/l	2.5	0.22

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260B  
Analytical Date: 06/08/11 09:47  
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG472123-3					
n-Propylbenzene	ND		ug/l	0.50	0.17
1,2,3-Trichlorobenzene	0.34	J	ug/l	2.5	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.22
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.21
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.27
1,4-Diethylbenzene	ND		ug/l	2.0	0.11
4-Ethyltoluene	ND		ug/l	2.0	0.42
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.10
Ethyl ether	ND		ug/l	2.5	0.20
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.17

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	107		70-130



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG472123-1 WG472123-2								
Chlorobenzene	96		96		75-130	0		20
Benzene	95		96		76-127	1		20
Toluene	93		94		76-125	1		20
1,1-Dichloroethene	85		89		61-145	5		20
Trichloroethene	102		104		71-120	2		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	130		126		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	110		108		70-130

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

### Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

#### Cooler Information Custody Seal

##### Cooler

A Absent

#### Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1107940-01A	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107940-01B	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107940-01C	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107940-02A	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107940-02B	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107940-02C	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107940-03A	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)
L1107940-03B	Vial HCl preserved	A	N/A	2	Y	Absent	NYTCL-8260(14)

\*Values in parentheses indicate holding time in days

**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

## GLOSSARY

### Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: DU Report with "J" Qualifiers



**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

**Data Qualifiers**

than 5x the RL. (Metals only.)

**R** - Analytical results are from sample re-analysis.

**RE** - Analytical results are from sample re-extraction.

**J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

**ND** - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

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**Project Name:** CINDERELLA  
**Project Number:** BB018192.0000

**Lab Number:** L1107940  
**Report Date:** 06/10/11

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certificate/Approval Program Summary

Last revised June 7, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.  
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

### Connecticut Department of Public Health Certificate/Lab ID: PH-0574. NELAP Accredited Solid Waste/Soil.

*Drinking Water* (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

*Wastewater/Non-Potable Water* (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

*Solid Waste/Soil* (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

### Maine Department of Human Services Certificate/Lab ID: 2009024.

*Drinking Water* (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

*Wastewater/Non-Potable Water* (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil* (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

### Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

*Drinking Water* (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water* (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LCHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

**New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

**New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

*Non-Potable Water* (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

*Solid & Chemical Materials* (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

**New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.***

*Drinking Water* (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

*Non-Potable Water* (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

*Solid & Hazardous Waste* (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

**North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.**

**Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. *NELAP Accredited.***

*Drinking Water* (Organic Parameters: EPA 524.2)

*Non-Potable Water* (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

*Solid & Hazardous Waste* (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

**Rhode Island Department of Health Certificate/Lab ID: LAO00065. *NELAP Accredited via NY-DOH.***

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

**Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. *NELAP Accredited.***

*Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S<sup>2-</sup> D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)*

*Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)*

**Department of Defense Certificate/Lab ID: L2217.**

*Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)*

*Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)*

*Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)*

**The following analytes are not included in our current NELAP/TNI Scope of Accreditation:**

**EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO<sub>2</sub> in a soil matrix, NO<sub>3</sub> in a soil matrix, SO<sub>4</sub> in a soil matrix.





WESTBORO, MA  
3 WILKUP DRIVE  
TEL: 508-898-9220  
FAX: 508-898-9193

MAANSFIELD, MA  
520 POTOSI BLVD  
TEL: 508-822-9300  
FAX: 508-822-3288

# NJ CHAIN OF CUSTODY

PAGE 1 OF 1

### Client Information

Client: **ARCADIS**

Address: **35 Columbia Rd.**

Branch: **Branzburg, NJ 08876**

Phone: **908 526 1000**

Fax: **908 526 7886**

Email: **Larry.Brust@arcadis-us.com**

### Project Information

Project Name: **Candarella**

Project Location: **Brooklyn, NY**

Project #: **BD01819a.0000**

Project Manager: **Larry Brust**

ALPHA Quote #:

Turn-Around Time

Standard  RUSH (only confirmed if pre-approved)  
Date Due: **6/13/11** Time: **12/11**

ALPHA Lab ID (Lab Use Only)

Sample ID

Collection Date

Time

Sample Matrix

Sampler's Initials

NY TCLVO

ANALYSIS

Sample Specific Comments

Sample Specific Comments

Sample Specific Comments

Sample Specific Comments

Sample Specific Comments

Sample Specific Comments

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials	NY TCLVO	ANALYSIS	Sample Specific Comments
079401	TW-3	5/26/11	1500	GW	CRP	X	X	
	DUP-3		1700			X	X	
	TW-1		1720			X	X	
	Field Blank		1750	blank		X	X	
	Trip Blank					X	X	

Date Rec'd in Lab: **5/26/11**

Report Type  
 Data Summary  NU Full  
 NU Reduced  Other

Regulatory Requirements

Site Information  
Is this site impacted by Petroleum?  
Yes / No (circle one)  
(Please include Petroleum Product - See Table 2-1 on reverse side)  
Petroleum Product: \_\_\_\_\_

Are any samples for waste disposal?  
Yes / No (circle one)  
(Please indicate which sample lab in Sample Specific Comments field)

Billing Information  
 Same as Client info PO #: \_\_\_\_\_

### SAMPLE HANDLING

- Filtration \_\_\_\_\_
- Done
- Not needed
- Lab to do
- Preservation
- Lab to do

### Preservative Code:

- A = None
- B = HCl
- C = HNO3
- D = H2SO4
- E = NaOH
- F = MeOH
- G = NH4SC4
- H = Other

Westboro: Certification No: MA935  
Mansfield: Certification No: MA015

Container Type  
Preservative

Relinquished By: \_\_\_\_\_  
Date/Time: **5/26/11 930**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 0930**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 2830**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 2830**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 2830**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 2830**

FORM NO. 01-14 (rev. 30-AUG-10)

Relinquished By: \_\_\_\_\_  
Date/Time: **5/26/11 930**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 0930**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 2830**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 2830**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 2830**

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Received By: \_\_\_\_\_  
Date/Time: **5/26/11 2830**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 2830**

Received By: \_\_\_\_\_  
Date/Time: **5/26/11 2830**

Please print clearly, legibly, and completely. Samples cannot be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

21107940

# Advanced Cleanup Technologies, Inc.

**ENVIRONMENTAL CONSULTANTS**

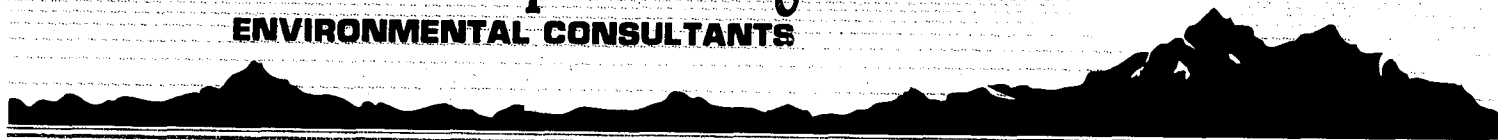


115 Rome Street • Farmingdale, New York 11735 • Tel: 631/293-4992 • Fax: 631/293-4986  
1000 7th North Street, Suite B-30 • Liverpool, New York 13088 • Tel: 315/451-9720 • Fax: 315/451-9727  
E-mail: [advancedcleanuptech.com](mailto:advancedcleanuptech.com)



# Advanced Cleanup Technologies, Inc.

**ENVIRONMENTAL CONSULTANTS**



## **PHASE I ENVIRONMENTAL SITE ASSESSMENT**

**248 Flatbush Avenue  
Brooklyn, New York 11217**

**December 1, 2005**

**ACT File #: 4071-BKNY**

**Prepared for:**

**Mr. David Aronowicz  
Cinderella Cleaners & Tailors  
248 Flatbush Avenue  
Brooklyn, New York 11217**

115 Rome Street \* Farmingdale, New York 11735 \* Tel: 631/293-4992 \* Fax: 631/293-4986  
1000 7th North Street, Suite B-30 \* Liverpool, New York 13088 \* Tel: 315/451-9720 \* Fax: 315/451-9727  
E-mail: [advancedcleanuptech.com](http://advancedcleanuptech.com)



## CERTIFICATION

Property Location:

248 Flatbush Avenue  
Brooklyn, New York 11217

Advanced Cleanup Technologies, Inc. performed a Phase I Environmental Site Assessment on the above-referenced property. The Assessment included a property inspection, research into the historical uses of the property and surrounding land, a review of regulatory agency files pertaining to the property and an interview with the landlord regarding past and present conditions at the property.

The Phase I Assessment was performed to meet the minimum requirements established by ASTM's Standard Practice for Environmental Site Assessments (E 1527-00). The Assessment has also considered other environmental issues such as asbestos, radon and lead which are not covered by the ASTM standard.

The results of the assessment are contained in this report. Based upon this assessment, Advanced Cleanup Technologies, Inc. makes the following conclusions and representations concerning the scope of the assessment and the environmental quality of the property. The Phase I Environmental Site Assessment has revealed the following Recognized Environmental Condition at the subject property

- Suspect asbestos-containing materials located at the subject property (Section 3.2).

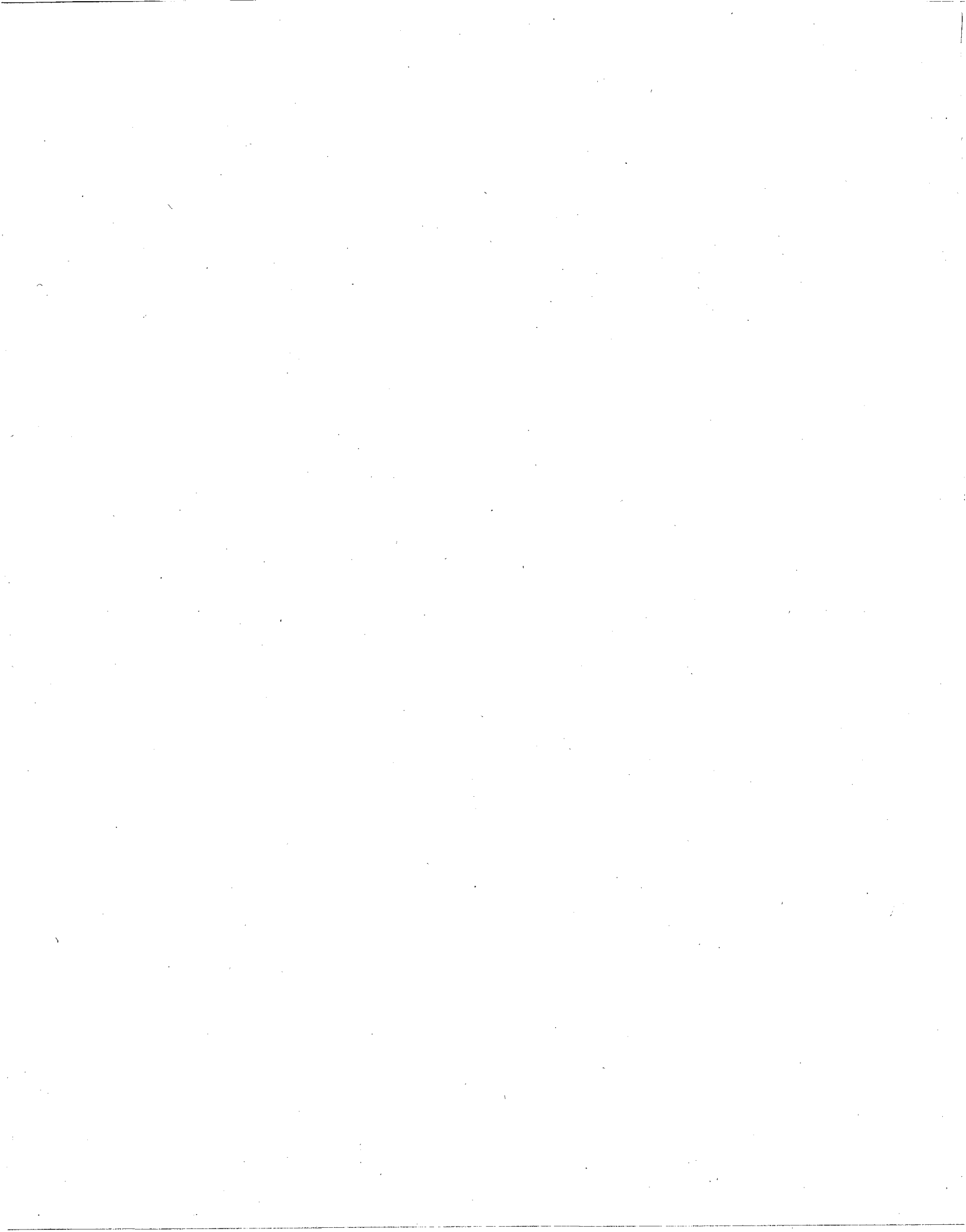
We hereby certify that we have no interest, present or contemplated, in the properties inspected and that neither the employment to make the inspection nor the compensation is contingent on the value of the properties. The analyses, opinions and conclusions contained in this report are limited only by any reported assumptions or limiting conditions described herein, and are our personal unbiased professional opinions and conclusions.

We further certify that this inspection was performed in conformity with the ASTM Standard and the scope outlined in this report. This inspection report accurately reflects current federal, state and local guidelines.

Dated: December 1, 2005

X William K. Sisco  
By: William K. Sisco  
Senior Project Manager

X Paul Stewart  
By: Paul Stewart  
President

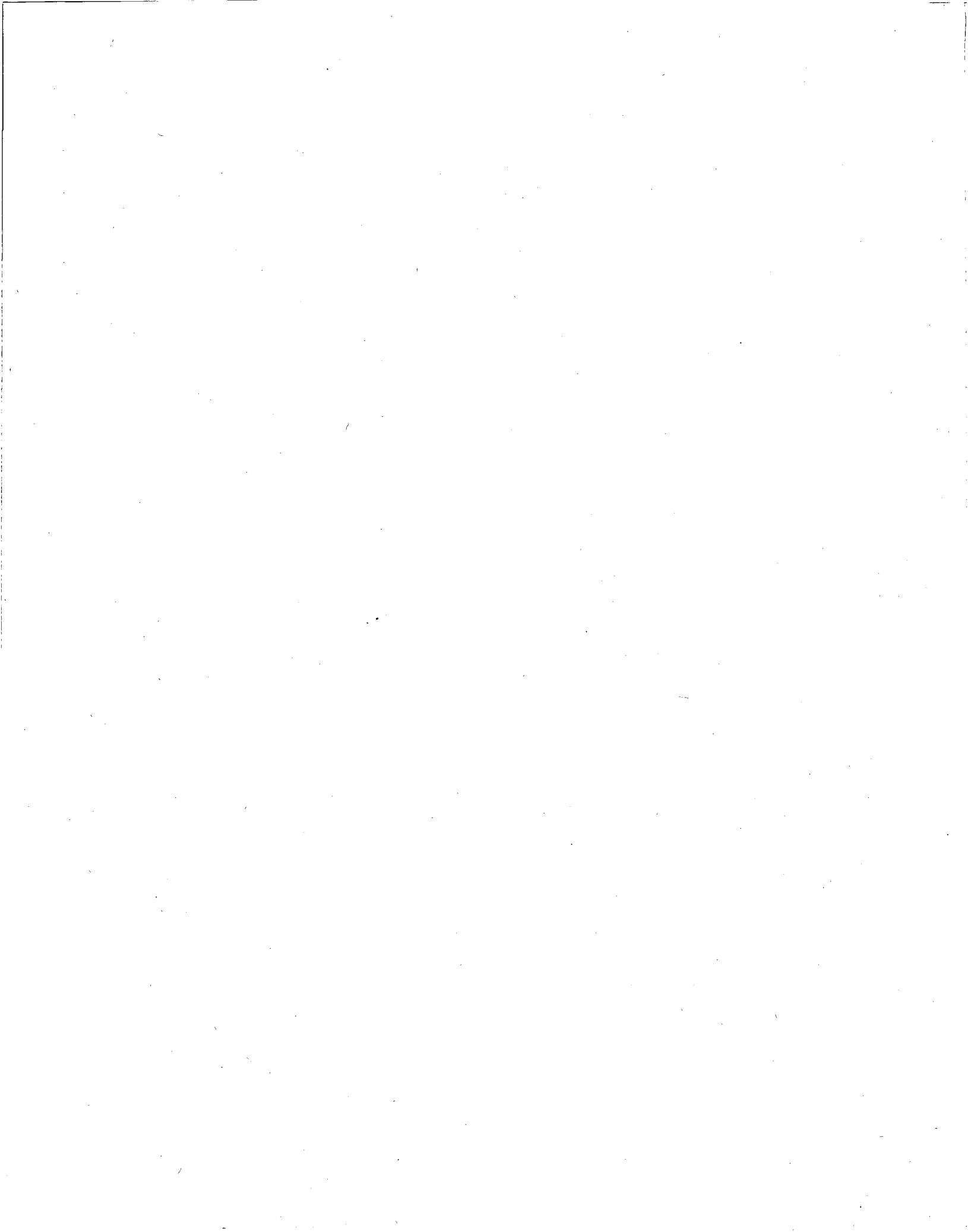


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**APPENDICES**

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A	Previous Environmental Reports
B	Tank Abandonment Documents
C	Regulatory Agency Documents
D	Fire Insurance Maps
E	Database Search Results





From USGS 7.5 Minute Topographic Map Of  
Brooklyn, New York Quadrangle



Figure 1

### Locational Diagram

Job No. 4071-BKNY

Date: 11/29/05

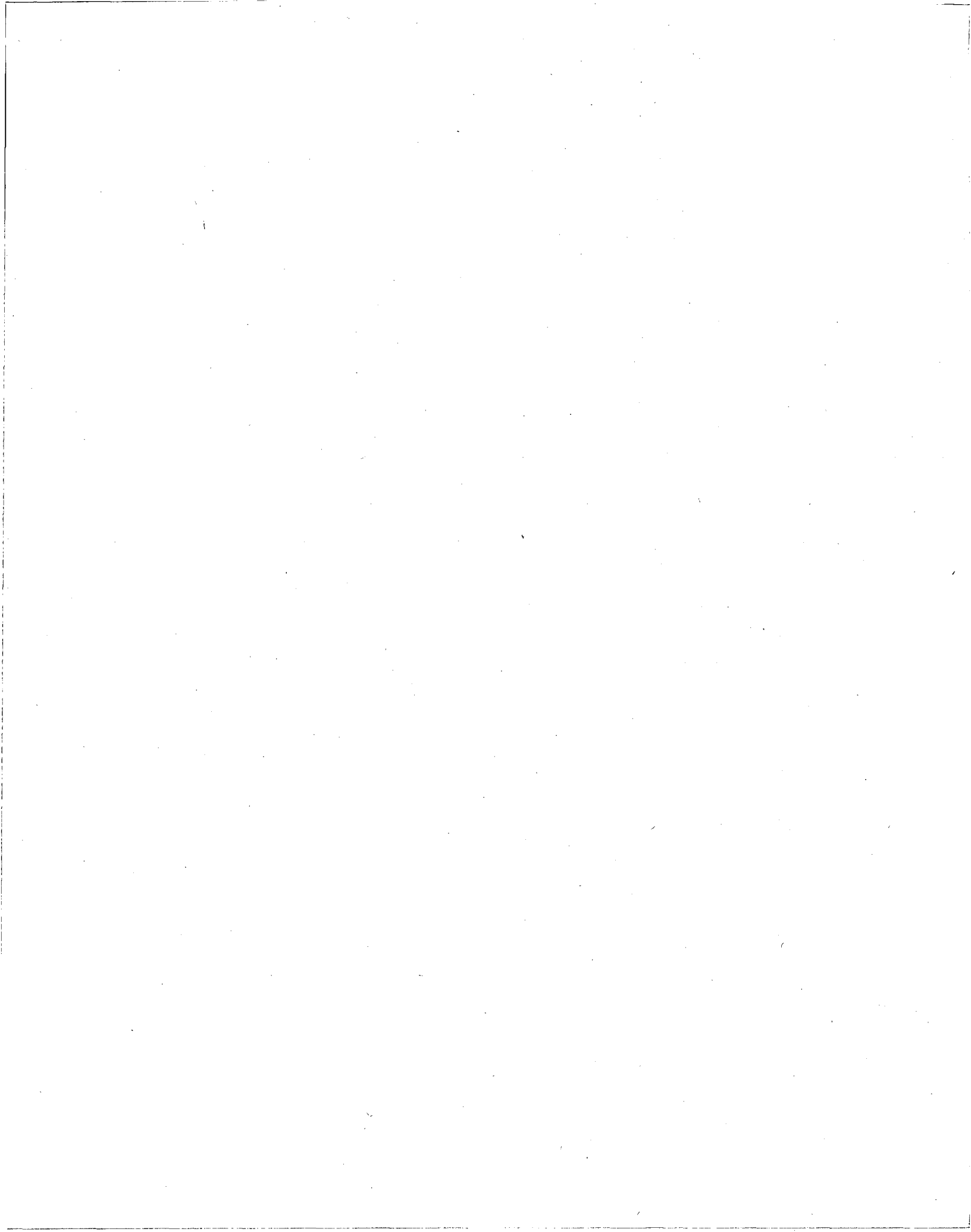
Dwg. No. 4071-01

Scale: 1"=2,000'

Drawn By: Steven Walls

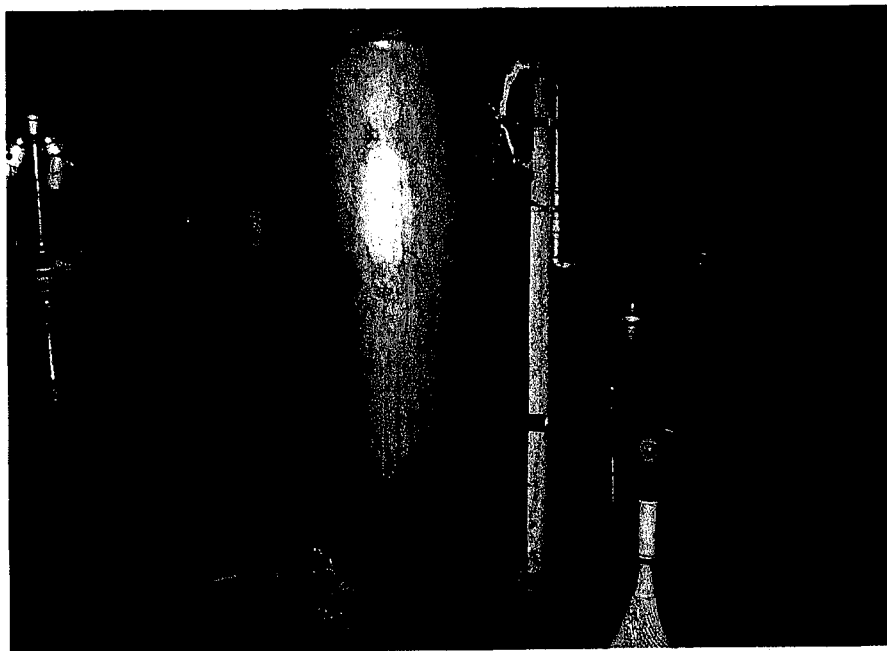
Appr. By: William Sisco

*Advanced Cleanup Technologies*

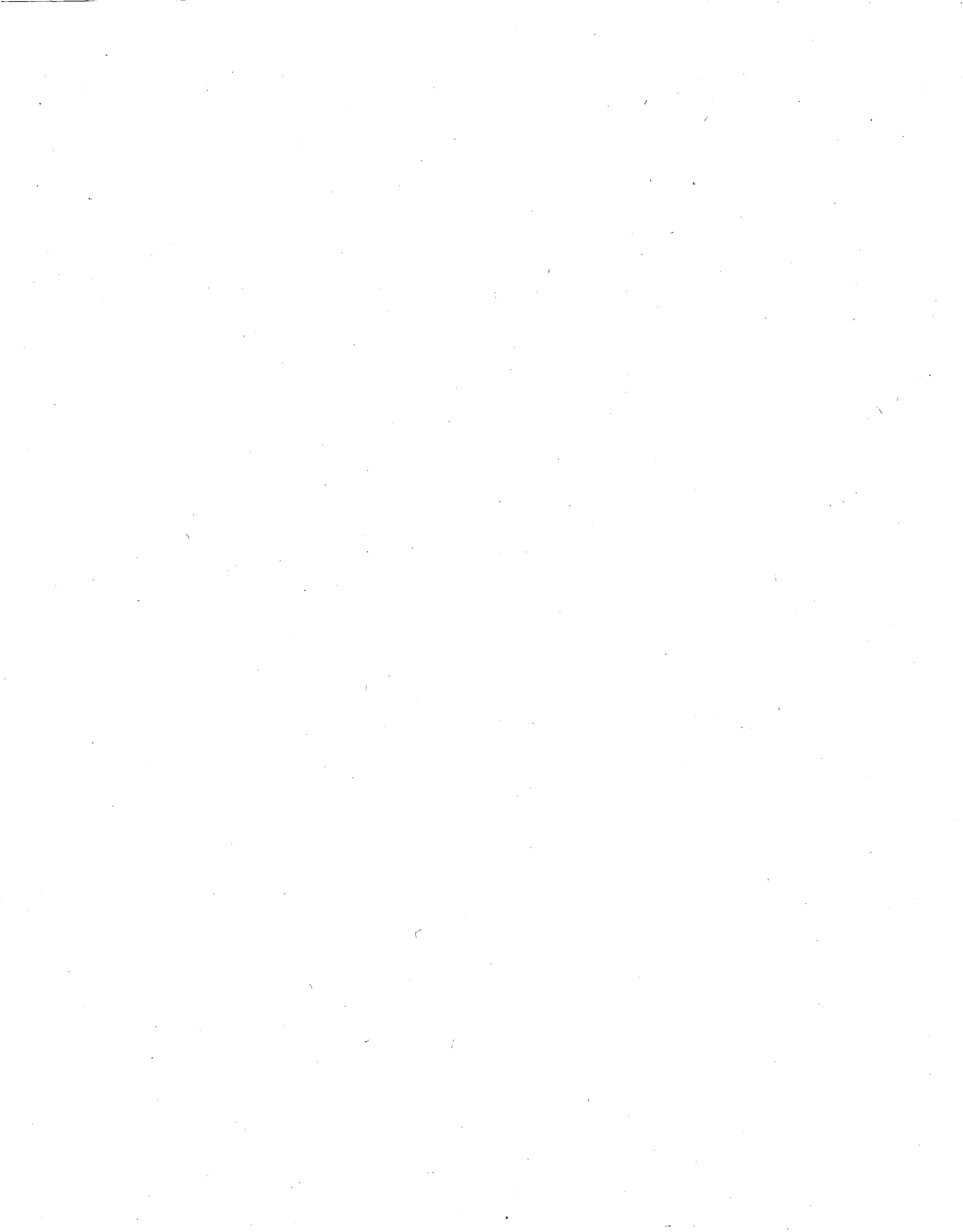


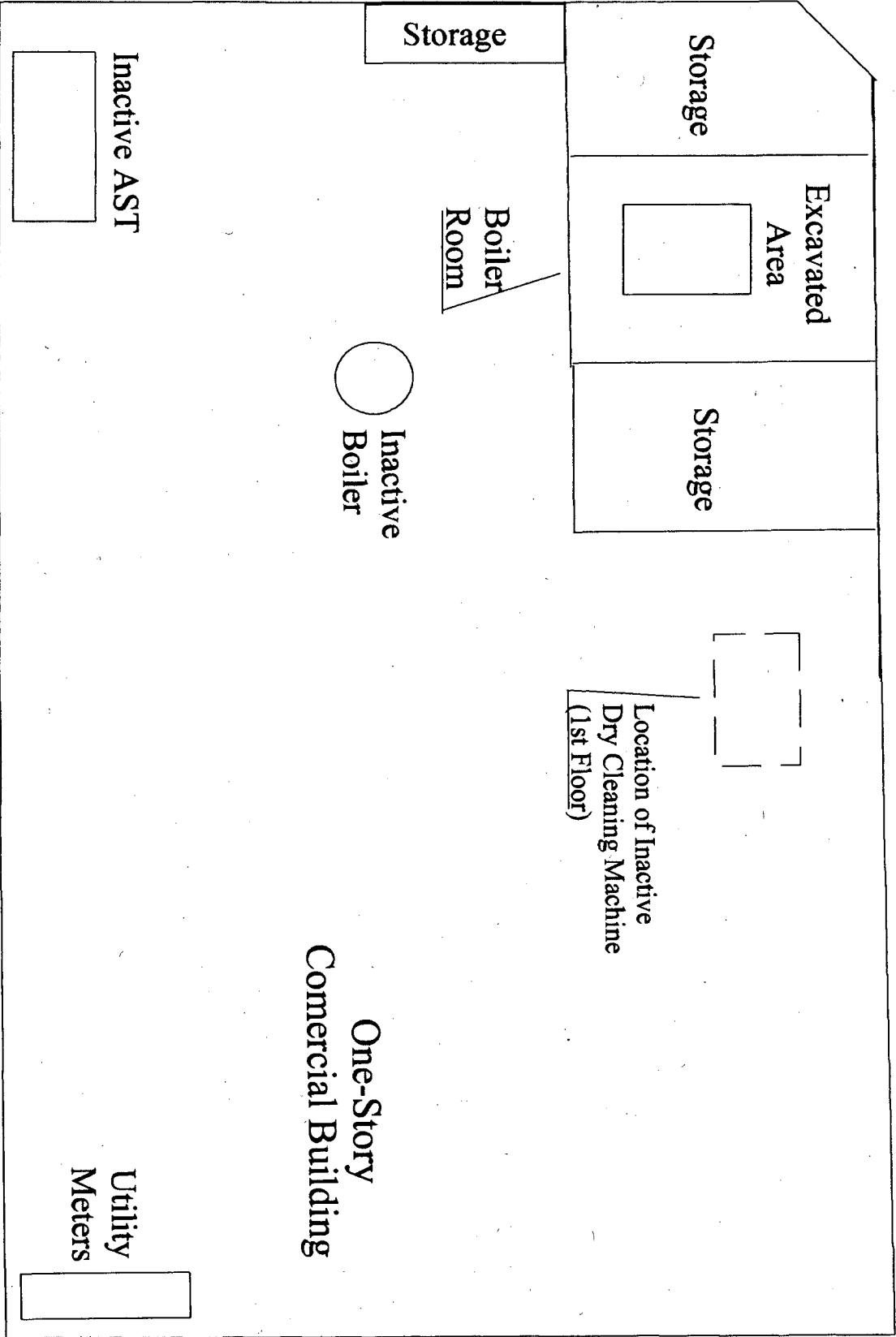
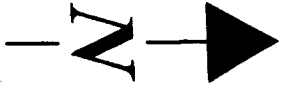


**Photograph 1: 248 Flatbush Avenue, Brooklyn, New York**



**Photograph 2: Inactive Fuel Oil Fired Heating Equipment**





248 Flatbush Avenue (Basement Level)

<b>Figure 2</b>	
<b>Site Diagram</b>	
Job No. 4071-BKNY	Date: 11/29/05
Drawing No. 4071-02	Scale: NTS
Drawn By: William Sisco	Approved By: Paul Stewart
<i>Advanced Cleanup Technologies, Inc.</i>	





## 1.0 INTRODUCTION AND SCOPE OF ASSESSMENT

Advanced Cleanup Technologies, Inc. (ACT) was retained to perform a Phase I Environmental Site Assessment of the property located at 248 Flatbush Avenue, Brooklyn, New York 11217. The Assessment was performed to meet or surpass the industry standard established by ASTM's Standard Practice for Environmental Site Assessments (E 1527-00). The purpose of the Assessment was to identify any Recognized Environmental Conditions at the property. As defined by the ASTM, a Recognized Environmental Condition is the presence of any hazardous substances or petroleum products on real estate under conditions that indicate an existing release, a past release, or a material threat of a release.<sup>1</sup>

The Assessment consisted of a visual inspection of the premises, interviews with property representatives regarding past and present conditions at the property, research into historical uses of the property and surrounding land and a review of regulatory agency files pertaining to the property. The Assessment also included an overview of the site's hydrogeologic setting and an evaluation of environmental risks associated with asbestos, radon and lead.

A site inspection was performed by Caroline Cadalso of ACT on November 9, 2005. The owner of the property, Mr. David Aronowicz, provided access and information regarding the subject property. Mr. Aronowicz has owned the property for approximately 29 years. The inspection consisted of the following activities:

- A visual examination of the interior and exterior of the premises;
- An evaluation of land usage in the area surrounding the site;
- Photography of the site.

All relevant New York City agencies were contacted for information pertaining to this property, including:

- Department of Buildings;
- Department of Health;
- Department of Environmental Protection;
- Bureau of Fire Prevention.

Databases of environmental information maintained by Federal and State agencies were also searched for known sources of environmental contamination at the site and its vicinity.

---

<sup>1</sup> American Society for Testing and Materials Practice E 1527-00, Sec. 3.3.28.



## 2.0 PROPERTY DESCRIPTION

### 2.1 Site Vicinity

The subject property, 248 Flatbush Avenue, is located in a residential and commercial area in the northern portion of the borough of Brooklyn in New York City. A Locational Diagram showing the site and its immediate vicinity is provided as Figure 1. The property is located along the west side of Flatbush Avenue.

Residential apartment buildings and residential apartment buildings with commercial units on the ground floor are located to the north east and west of the subject property. A one-story commercial building is located to the south of the subject property.

The topography of the area is generally level. The vicinity of the subject property is approximately 71 feet above mean sea level<sup>2</sup>. The ground surface in the vicinity of the subject property is covered with asphalt and concrete pavement. The subsurface beneath the subject property consists of unconsolidated sand and gravel layers from the ground surface to bedrock at approximately 400 feet below ground surface (bgs)<sup>3</sup>. The major aquifer system located beneath the site is the Upper Glacial aquifer of the Pleistocene series. The aquifer is separated from the bedrock by the Raritan confining unit. Regional groundwater flow in the vicinity of the site is estimated to be toward the northwest.

### 2.2 Site Construction Details

The subject property consists of a one-story commercial building which contains one commercial unit, Cinderella Cleaners (Photograph 1). The building contains a full basement. The footprint of the building is approximately 2,310 square feet in area and encompasses the entire property. Site Diagram is provided as Figure 2.

The electrical and water services enter the building along the eastern property boundary. The utility meters are located in the basement of the building. No natural gas service is provided to the property. The property is connected to the New York City municipal sewer system.

---

2 USGS 7.5 Minute Series Topographic Map, Brooklyn, New York Quadrangle

3 From Hydrogeologic Framework Of Long Island, New York by Smolensky, D.A., Buxton, H.T., and Shernoff, P.K., 1989.



The building was formerly provided heat via fuel oil fired heating equipment located in the boiler room of the basement (Photograph 2). The heating equipment has been disconnected and removed from the boiler room. According to Mr. Aronowicz, the heating equipment was dismantled in April of 2005. No active heating equipment was identified in the building. No stains, odors or evidence of spills was identified in the vicinity of the inactive heating equipment.

### **2.3 Building Interior**

The building contains one commercial unit, Cinderella Cleaners, which utilizes the building for dry cleaning. The interior of the building consists of tile floors and painted plaster and wood paneled walls. Ceilings consist of suspended ceiling tiles.

The interior of the first floor contains clothes storage areas and a check out counter (Photographs 3 and 4). A fourth generation dry cleaning machine is also located on the first floor of the building (Photograph 5). According to Mr. Aronowicz, this machine was installed in 1999 and was disconnected in May of 2005. The current dry cleaning operations consist of drop off service only. No dry cleaning operations are currently performed at the property.

The basement contains the utility meters, inactive heating equipment and storage areas. One floor drain was identified at the bottom the stairwell which accesses the basement from the sidewalk. This drain discharges to the municipal sewer. No stains, odors or evidence of spills were identified in the vicinity of the floor drain.

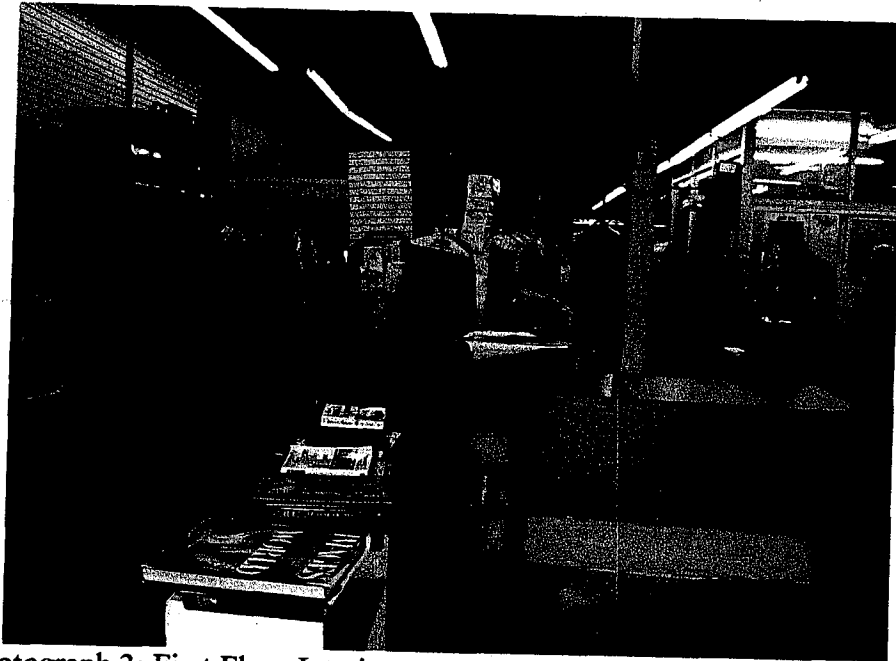
An excavated area was identified in the boiler room located in the basement (Photograph 6). This excavated area will be further-discussed in Section 3.1 of this report.

A storage room in the northwest portion of the basement contained three containers which formerly stored filters from the dry cleaning machine. These containers were empty. No stains, odors or evidence of spills were identified in the vicinity of these containers or throughout this storage room. Another basement storage room housed a container of acetic acid, a container of herbicide and a container of boiler treatment chemicals. No stains, odors or evidence of spills were identified in the vicinity of these containers or throughout this storage room.

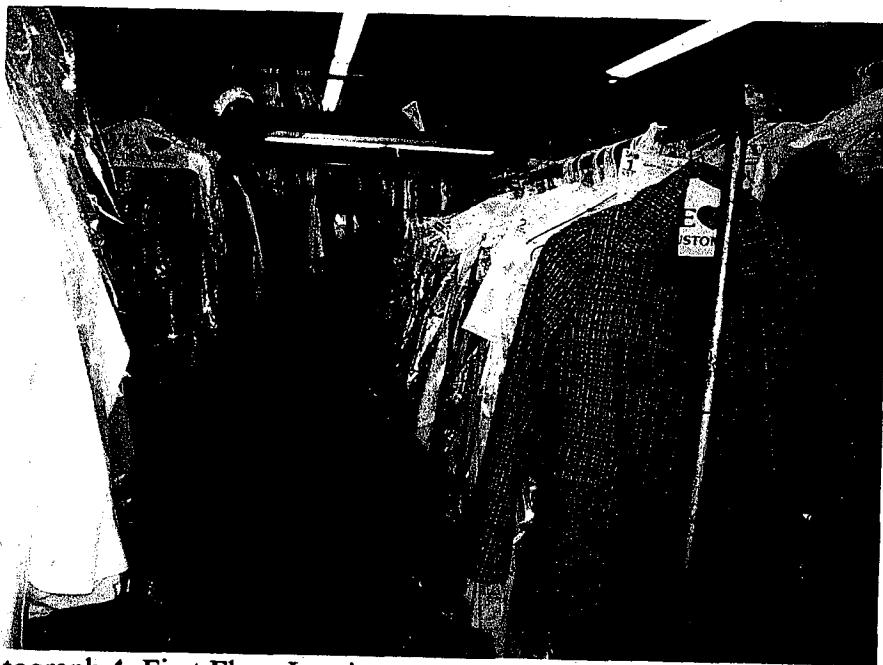
### **2.4 Building Exterior**

The exterior of the building is constructed of concrete block and brick masonry. The building has a flat, tar roof. The main entrance to the building is located along the eastern exterior wall, facing Flatbush Avenue. A concrete sidewalk separates the building from Flatbush Avenue. No exterior storm drains were identified at the property.





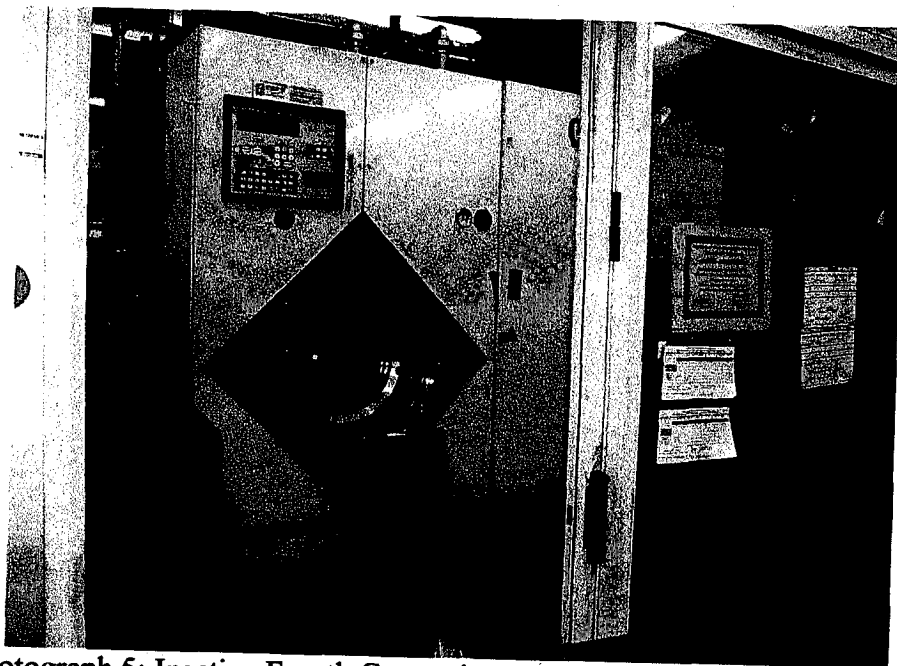
**Photograph 3: First Floor Interior**



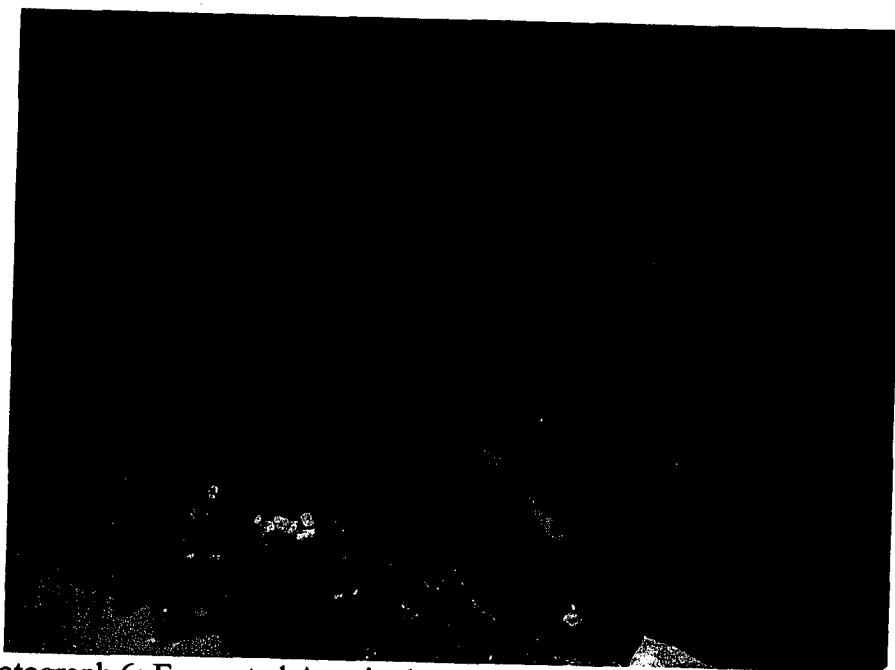
**Photograph 4: First Floor Interior**







**Photograph 5: Inactive Fourth Generation Dry Cleaning Machine**



**Photograph 6: Excavated Area in the Basement Boiler Room**



The building disposes of its solid waste via curbside service provided by the New York City Department of Sanitation. Solid waste is stored in garbage cans along the eastern side of the building. No evidence of hazardous waste was identified in the solid waste. No stains, odors or evidence of spills was observed in the vicinity of the solid waste or throughout the exterior of the building.

### **3.0 FINDINGS AND RESULTS OF THE ASSESSMENT**

#### **3.1 Previous Environmental Reports**

ACT conducted a Limited Phase II Environmental Site Assessment of the subject property on April 5, 2005 to determine whether a reported historical leak of cooling water from the first floor dry cleaning machine into the basement boiler room had impacted the environmental quality of the subject property. Based on the results of the Limited Phase II Environmental Site Assessment, ACT concluded that the subsurface soil beneath the boiler room had been impacted by dry cleaning solvents. The vertical limit of the impacted soil appeared to be no more than 9 feet below the basement floor. A copy of the previous environmental report is presented in Appendix A.

On July 8, 2005, ACT installed soil boring/temporary well SB-01A in the boiler room to determine whether ground water beneath the boiler room had been impacted. Ground water was encountered at 52.21 feet below the basement floor. Laboratory analysis of the soil samples from SB-01A did not show any Volatile Organic Compounds (VOCs) above the laboratory method detection limits. Analytical results for the ground water sample indicated that the VOCs Tetrachlorethene ("Perc") and c-1,2-Dichloroethene were detected slightly above regulatory standards.

Since the source area was reportedly located immediately below the former boiler, the most elevated ground water contaminant levels were expected at SB-01A. Due to the slight exceedances of regulatory standards at SB-01A, it was determined that the release was limited in extent. The risk of exposure was also determined to be low due to the dense, silty soils and considerable depth of the ground water beneath the subject property.

On September 13<sup>th</sup>, 2005, ACT supervised the excavation of contaminated soil from the boiler room by Action Remediation. Upon removal of the brick floor, a vacuum truck was utilized to remove the soil to a depth of 5 feet below the basement floor. ACT screened the soil for organic vapors continuously with a Photoionization Detector (PID). Once the excavation was completed, ACT collected five post-excavation endpoint samples from the sidewalls and bottom of the excavation.



Laboratory analytical results of the endpoint samples indicated traces levels of VOCs considerably below regulatory standards. A total of 4.4 tons of soil was removed from the subject property and transported to Clean Earth of Philadelphia, Inc. Based upon the results of the Limited Phase II Environmental Site Assessment, the Supplemental Investigation, and the Remedial Activities, ACT concluded that no further remedial action was deemed necessary. These results were presented in ACT's November 29, 2005 Closure Report. A copy of this report is presented in Appendix A.

### **3.2 Asbestos**

A visual inspection of the property for asbestos-containing materials (ACM) such as pipe and boiler insulation, ceiling tiles and floor tiles was conducted. Approximately 5,000 square feet of suspect asbestos-containing floor tile and 2,000 square feet of suspect asbestos-containing ceiling tile were identified throughout the first floor of the building. No additional suspect asbestos-containing materials were identified at the property.

The suspect asbestos-containing floor tile and ceiling tile were identified in good condition and have a low potential for disturbance. Therefore, the suspect asbestos-containing materials have a low potential for discharge in their current state. These findings comprise only a preliminary inspection of the subject property for ACM and should not be interpreted as a formal asbestos survey. All Federal, State and local regulations should be followed with respect to asbestos-containing materials if renovations or demolition are to be performed at the property.

### **3.3 Hazardous Materials**

A visual inspection of the property was conducted for evidence of potential hazardous material contamination. No areas of stained or discolored ground, stressed vegetation or excavated areas were observed anywhere on the property. No indication of previous environmental investigations, such as groundwater monitoring wells, was observed at the property or any adjoining properties. No pits, ponds, or lagoons indicative of hazardous waste disposal were identified at the property. No 55 gallon drums were identified at the subject property.

### **3.4 Storage Tanks**

An abandoned aboveground storage tank is located in the southern portion of the basement (Photograph 7). The tank formerly provided fuel oil for the now inactive heating equipment. The aboveground tank was abandoned at the property by Action Remediation Inc. (Action) on October 12, 2005. The tank abandonment documents are provided in Appendix B.





**Photograph 7: Abandoned Aboveground Fuel Oil Storage Tank**





The tank abandonment documents include an affidavit from Action to the New York City Fire Department dated October 14, 2005. The affidavit indicates that a 1,000 gallon aboveground #2 oil storage tank was abandoned at the property. The tank was pumped, cleaned of all product and bottom sludge, made vapor free and rendered useless as per New York City rules and regulations. A waste manifest included in the documents indicates that 40 gallons of oil/water tank bottom was removed from the property.

No stains, odors or evidence of spills was identified in the vicinity of the abandoned aboveground storage tank. No floor drains were identified in the vicinity of the abandoned aboveground storage tank.

The fill pipe associated with the abandoned aboveground storage tank was identified in the sidewalk to the west of the building and is filled with cement. The former vent pipe associated with the abandoned aboveground storage tank has been removed from the property. No stains, odors or evidence of spills was identified in the vicinity of the fill pipe.

This abandoned aboveground storage tank has been abandoned in accordance with New York City rules and regulations and does not appear to be impacting the environmental quality of the subject property.

No additional aboveground storage tanks were identified at the property. No evidence of underground storage tanks was identified at the property. No evidence of former underground storage tanks, such as asphalt or concrete patches, was identified at the property.

The New York City Bureau of Fire Prevention (NYCBFP) tank and violation information has not been received at the time of this report. This information will be forwarded as soon as it has been received and evaluated.

### **3.5 Radon**

The New York State Department of Health maintains records of average radon levels for New York State based upon county. The average level for the county of the Brooklyn is 1.9 picoCuries per Liter (pCi/L). This level is considered to be within the normal background range. The United States Environmental Protection Agency (USEPA) standard for radon is 4.0 pCi/L.<sup>4</sup>

---

<sup>4</sup>

New York State Department of Health Basement Radon Screening Data, March 1999.



### **3.6 Lead In Paint**

An inspection of the property for chipped, peeling or cracking paint was performed. No areas of chipped, peeling or deteriorating paint were identified at the property. Therefore, a paint sample was not obtained.

The building at the subject property was constructed prior to 1978. Lead content in paints manufactured and distributed prior to 1978 were not Federally regulated. Therefore, paints applied to the building surfaces prior to 1978 were probably lead based. As previously-mentioned, the painted surfaces at the building were identified in good condition.

These findings comprise only a preliminary inspection for lead-based paint at the subject property and should not be interpreted as a formal lead-based paint inspection. All Federal, State and local regulations should be followed with respect to lead-based paint if renovations or demolition activities affecting painted surfaces are to be performed.

### **3.7 Drinking Water Quality**

The subject property is supplied water by New York City. The city obtains its water supply from reservoirs located to the north and northwest of the city. The quality of this water is monitored by New York City for organics and inorganics, including lead, in accordance with Federal law. New York City must maintain lead concentrations at less than 15 micrograms per liter.<sup>5</sup>

### **3.8 Polychlorinated Biphenyls (PCB's)**

No electrical transformers containing substantial amounts of PCB-contaminated oil or hydraulic fluid were observed at the property. The building does not contain any hydraulic elevators. No equipment which could contain substantial amounts of PCB-contaminated oil was identified at the property.

## **4.0 PRIOR USE INVESTIGATION**

In order to determine the prior uses of the property, all available regulatory agency documents and Fire Insurance Map information regarding the subject property were obtained and reviewed. No historical aerial photographs were readily accessible in the time frame of this assessment. Appendix C contains copies of the regulatory agency documents.

---

<sup>5</sup> USEPA Safe Drinking Water Act, 42 USC 300, et. seq. (1982).



The New York City Department of Buildings file contains a Property Profile Overview (PPO) of the subject property. The PPO indicates the building was constructed during 1921. The PPO indicates the property address is 248, 248A and B Flatbush Avenue. The property contains 15 actions and 5 boiler and construction violations. These actions and violations should not impact the environmental quality of the subject property.

The Tax Map number for the property is Block 936, Lot 12. The building is classified as a K1-Store Building with no landmark status. The Environmental Control Board (ECB) reports 3 open construction and boiler violations for the subject property. These violations should not impact the environmental quality of the subject property.

The New York City Department of Health and the Department of Environmental Protection have not responded to our search requests at the time of this report. This information will be forwarded as soon as it has been received and evaluated.

Fire Insurance Maps for the years 1926, 1951, 1982 and 1988 were obtained and reviewed by ACT at Cornell University Library, Ithaca, New York. Appendix D contains copies of the Fire Insurance Maps.

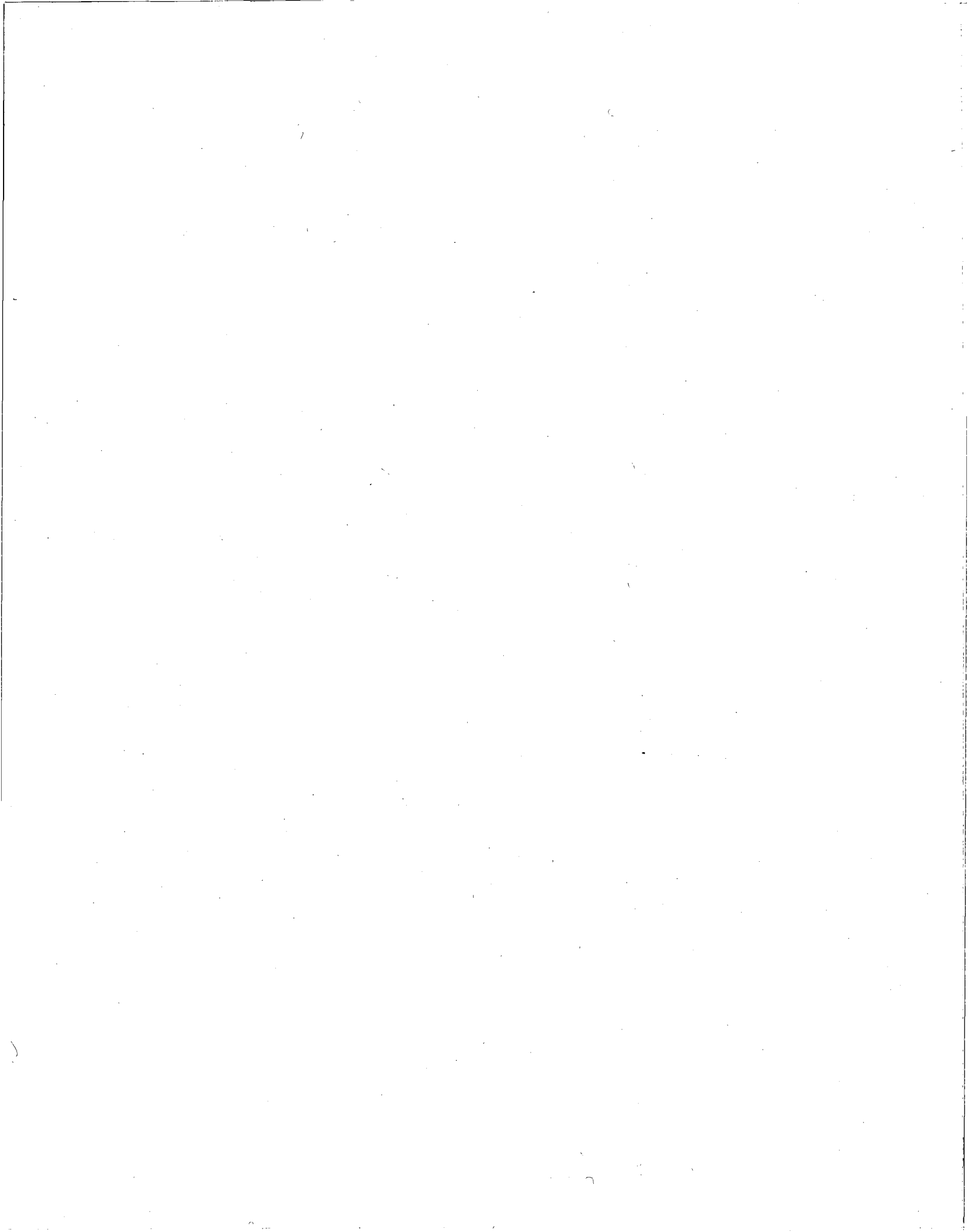
The 1926 Map indicates the subject property as containing the current one-story commercial building. The property address is 248 A and B Flatbush Avenue. The adjacent properties to the north, east and west contain residential and commercial buildings. The property to the south contains a commercial building. The surrounding areas contain residential and commercial buildings.

The 1951, 1982 and 1988 Maps indicate the subject property, adjacent properties and surrounding areas as unchanged from the 1926 Map.

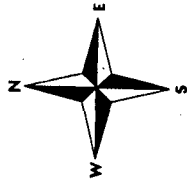
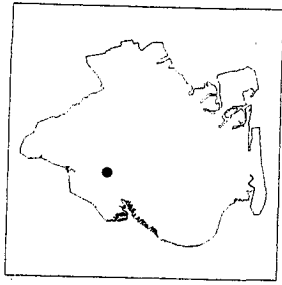
The review of the regulatory agency documents and Fire Insurance Maps indicate that the current commercial building at the property was constructed during 1921. The property has been utilized for commercial purposes since development. No evidence of hazardous material usage, storage or disposal at the subject property is present in these records.

## **5.0 NEIGHBORHOOD HAZARDOUS WASTE ACTIVITY REVIEW**

In an effort to determine the potential impact from hazardous waste activities at the subject property and neighboring properties, a review of information on waste sites within one mile of the subject property was conducted. Figures 3 and 4 provide locations of plotted sites. Appendix E contains the results of the database searches. The review included a search of the following Federal data sources:



**Toxics Targeting  
1 Mile Radius Map**  
248 Flatbush Avenue  
Brooklyn, NY 11217



Kings County

- ⊕ NPL, CERCLIS, NYSDEC Inactive Hazardous Waste Disposal Registry or Registry Qualifying Site
- ⊞ Hazardous Waste Treater, Storer, Disposer
- ⊕ Hazardous Substance Waste Disposal Site
- ◇ Major Oil Storage Facility
- RCRA Corrective Action Facility
- ⊗ Solid Waste Facility
- ⊙ Brownfields Site

- Site Location
- Minor Roads
- Major Roads
- Expressways
- 1 Mile Radius
- 1/4 Mile Radius
- 1/2 Mile Radius
- 1/8 Mile Radius
- ▭ Waterbody
- County Border
- Railroad Tracks

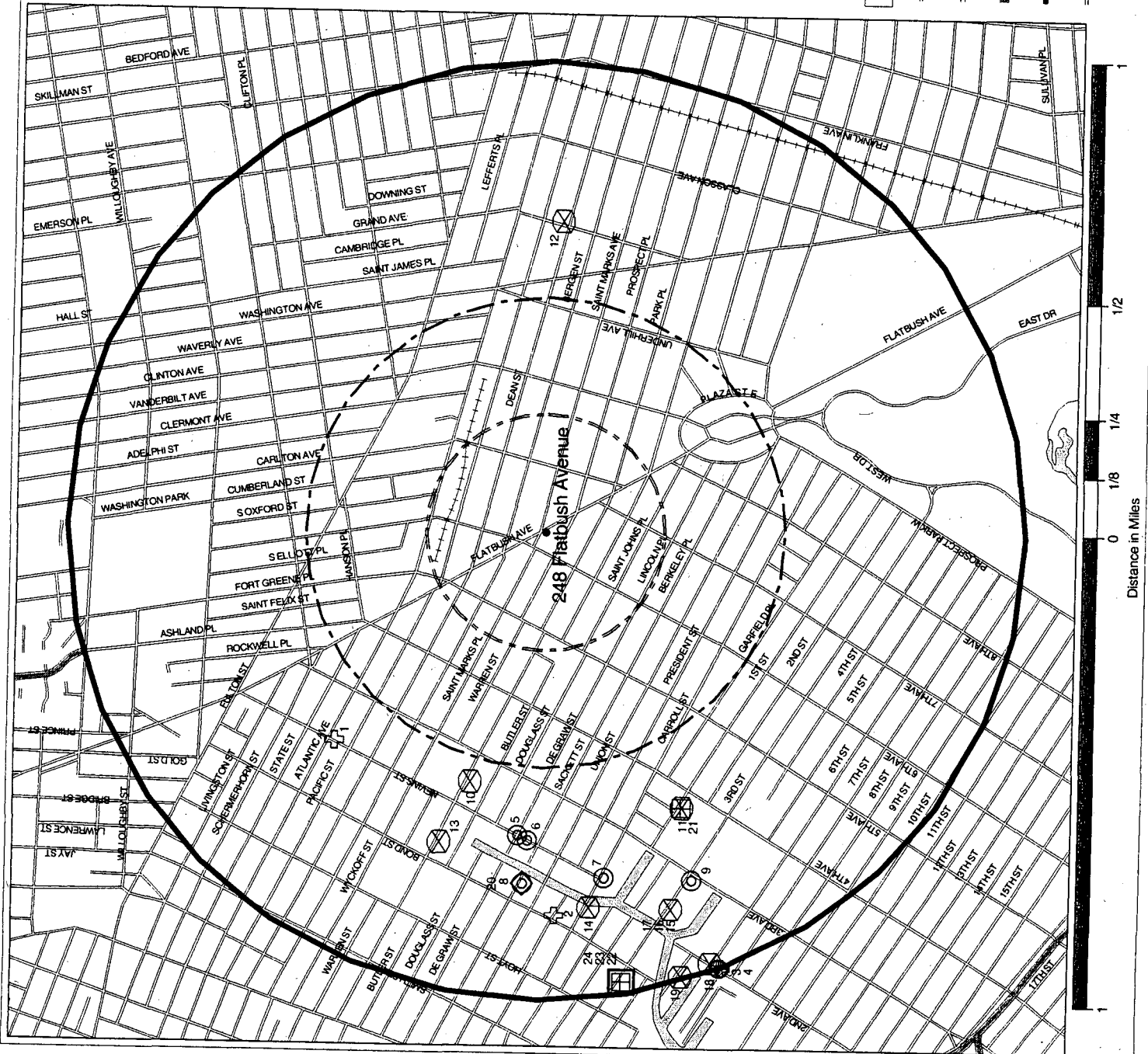
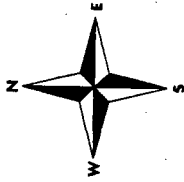
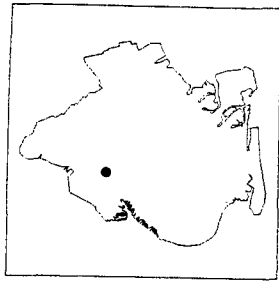


Figure 3





**Toxics Targeting  
1/4 Mile Closeup Map**  
248 Flatbush Avenue  
Brooklyn, NY 11217



**Kings County**

- ⊕ NPL, CERCLIS, NYSDEC Inactive Hazardous Waste Disposal Registry or Registry Qualifying Site
- ⊞ Hazardous Waste Treater, RCRA Corrective Action Facility
- ⊕ Hazardous Substance Waste Disposal Site
- ◇ Major Oil Storage Facility
- △ Chemical Storage Facility
- ✱ Toxic Release
- ▽ Wastewater Discharge
- ⊞ Hazardous Waste Generator, Transp.
- ⊞ Enforcement Docket Facility
- ◆ Petroleum Bulk Storage Facility
- ⬇ Historic Utility Site
- ⊞ Air Release
- Waterbody

- Site Location
- Minor Roads
- Major Roads
- Expressways
- 1/4 Mile Radius
- 1/8 Mile Radius
- 1/4 Mile Search Radius
- 1/8 Mile Search Radius
- County Border
- Railroad Tracks

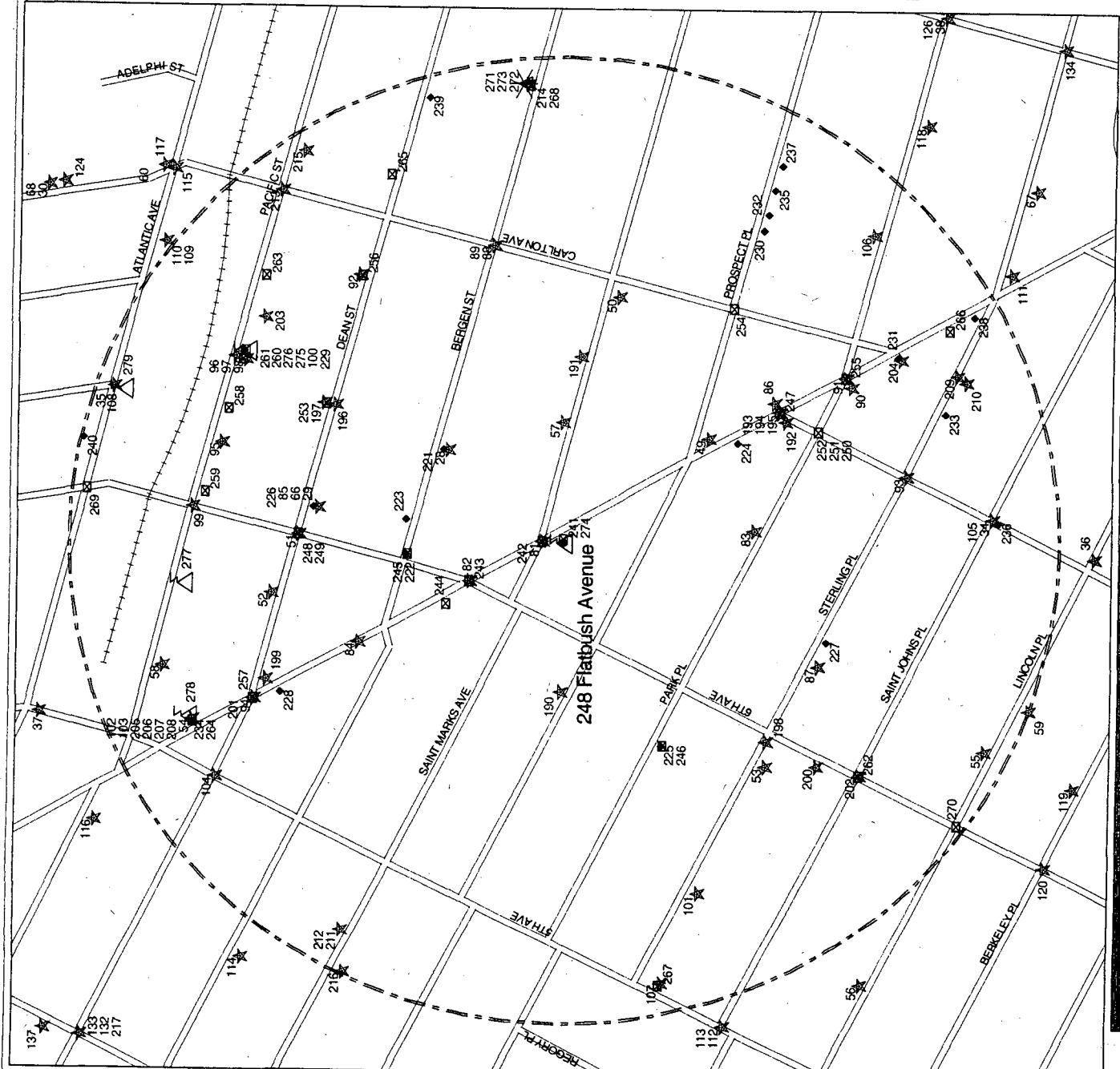


Figure 4



- National Priorities List (NPL);
- Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS);
- Resource Conservation and Recovery Act Information System (RCRIS);
- Emergency Response and Notification System (ERNS);

In addition, the review included a search of the following State data sources:

- New York State Department of Environmental Conservation (NYSDEC) listing of Leaking Underground Storage Tanks and Spills List;
- NYSDEC Solid Waste Management Facilities Database;
- NYSDEC listing of Inactive Hazardous Waste Disposal Sites or State equivalent NPL;
- NYSDEC listing of Inactive Hazardous Waste Disposal Site Study or State equivalent CERCLIS;
- NYSDEC listing of Petroleum Bulk Storage (PBS) Facilities.

The NPL and CERCLIS databases are maintained by the United States Environmental Protection Agency (USEPA) and contain records for each of the hazardous waste facilities nominated or chosen for cleanup under Superfund. The NPL database was searched for sites within a radius of 1 mile from the subject property. The subject property is not identified on the NPL database. No NPL sites are identified within 1 mile of the subject property.

The CERCLIS database was searched for sites within a radius of 1 mile from the subject property. The subject property is not identified on the CERCLIS database. Two CERCLIS sites are identified in the database within 1 mile of the subject property. The closest site is located approximately 4,298 feet west of the subject property. This site and the remaining site should not impact the environmental quality of the subject property.

The NYSDEC Solid Waste Landfill Facility database (SWLF) includes properties which are active solid waste disposal sites. The SWLF database was searched for sites within a radius of 1 mile of the subject property. The subject property is not identified on the SWLF database. A total of 10 SWLF sites are identified in the database within 1 mile of the subject property. The closest site is located approximately 2,911 feet west-northwest of the subject property. This site and the remaining sites should not impact the environmental quality of the subject property.

The RCRIS database includes listings of properties which are considered either Hazardous Waste Treatment, Storage or Disposal (TSD) facilities or Hazardous Waste Generators/Transporters. The subject property is not listed in the RCRIS TSD database. Three RCRIS TSD sites are identified within 1 mile of the subject property. The closest site is located approximately 3,430 feet west-southwest of the subject property. This site and the remaining sites should not impact the environmental quality of the subject property.



The RCRA database includes listings of properties which are under going Corrective Action. The subject property is not listed in the Corrective Action database. One RCRA Corrective Action site is identified within 1 mile of the subject property. This site is located approximately 5,138 feet west of the subject property. This site should not impact the environmental quality of the subject property.

The subject property is listed as an RCRIS Hazardous Waste Generator/Transporter. The subject property, Cinderella Cleaners at 248 Flatbush Avenue, is identified as Site #241. The facility identification number is NYD980789564. The property generated 585 pounds of spent halogenated solvents in 2004. No violations are identified for the subject property.

A total of 29 additional RCRIS Hazardous Waste Generator/Transporter sites are identified within ¼ mile of the subject property. The closest site is located approximately 62 feet north of the subject property. These Hazardous Waste Generator/Transporter sites should not impact upon the environmental quality of the subject property.

The ERNS database is a Federal listing of properties which emergency responses were made to in reference to hazardous waste. The ERNS database was searched for the subject property. The subject property is not listed in the ERNS database.

The NYSDEC Spills and Leaking Underground Storage Tank (LUST) lists were searched for all reported spills within ½ mile of the subject property. The subject property is not listed in the databases as containing a Spill or LUST. A total of 196 Spills or LUSTs have occurred within ½ mile of the property. The closest active site is located approximately 401 feet northeast of the subject property and has impacted the soil. This site and the remaining active sites should not impact upon the environmental quality of the subject property.

The NYSDEC publication of Hazardous Substance Waste Disposal Sites in New York State, dated May 2000, contains a listing of all suspected properties and facilities in New York State that have been identified as possibly containing toxic or hazardous wastes and/or contamination in various forms. The subject property is not identified in the listing. One Hazardous Substance Waste Disposal site is identified in the database within 1 mile of the subject property. This site is located approximately 5,275 feet west-southwest of the subject property. This site should not impact the environmental quality of the subject property.

The NYSDEC publication of Inactive Hazardous Waste Disposal Sites in New York State, dated June 2003, contains a listing of all properties and facilities in New York State that have been identified as containing toxic or hazardous wastes and/or contamination in various forms. The subject property is not identified in the database. One Inactive Hazardous Waste Disposal site is identified in the database within 1 mile of the subject property. This site is located approximately 3,304 feet northwest of the subject property. This site should not impact the environmental quality of the subject property.



The NYSDEC listing of Petroleum Bulk Storage (PBS) facilities was searched for any listings within ¼ mile of the subject property. The subject property is not identified in the PBS database. A total of 20 PBS facilities are identified within ¼ mile of the property. None of these sites should impact upon the environmental quality of the property.

The NYSDEC Air Discharge facility database was searched for any listings within ¼ mile of the subject property. The subject property, Cinderella Cleaners, was identified in the database as an operating facility with a potential uncontrolled emission of less than 100 tons per year of tetrachloroethylene. The property is listed as in compliance. Operations that would discharge air emissions no longer are performed at the subject property. This listing should not impact the environmental quality of the subject property.

A total of 5 additional NYSDEC Air Discharge facilities are identified within ¼ mile of the property. None of these sites should impact upon the environmental quality of the property.





## 6.0 CONCLUSIONS

The results of the Phase I Environmental Site Assessment are contained in this report. Based upon this assessment, Advanced Cleanup Technologies, Inc. makes the following conclusions and representations concerning the scope of the assessment and the environmental quality of the property. The Phase I Environmental Site Assessment has revealed the following Recognized Environmental Condition at the subject property:

- Suspect asbestos containing materials located at the subject property (Section 3.2).

Except for this issue, no further assessment work is necessary in order to evaluate the environmental condition of the property.

## 7.0 RECOMMENDATIONS

Advanced Cleanup Technologies makes the following recommendation with respect to the above Recognized Environmental Condition at the property:

### *Suspect Asbestos-Containing Materials*

An operation and maintenance (O & M) program should be instituted at the subject property in order to monitor the suspect asbestos-containing floor tiles and ceiling tiles for any future degradation. This O & M program can be performed by the maintenance staff of the building and can be instituted for approximately \$500.00. These findings comprise only a preliminary inspection of the subject property for asbestos-containing materials and should not be interpreted as a formal asbestos survey. All Federal, State and local regulations should be followed with respect to asbestos-containing materials if renovations or demolition are to be performed at the property.

## 8.0 EXCLUSIONS AND DISCLAIMER

The purpose of this investigation was to assess the potential environmental liabilities at the subject site with respect to data which Advanced Cleanup Technologies, Inc. has accumulated during the Phase I Environmental Site Assessment. The conclusions presented in this report are based solely on the observations of the site at the time of the investigation. Data provided, including information provided by others, was utilized in assessing the site conditions. The accuracy of this report is subject to the accuracy of the information provided. Advanced Cleanup Technologies, Inc. is not responsible for areas not seen or information not collected. This report is given without a warranty or guarantee of any kind, expressed or implied. Advanced Cleanup Technologies, Inc. assumes no responsibility for losses associated with the use of this report.



**APPENDIX A**  
**COPY OF CLOSURE REPORT**



# Advanced Cleanup Technologies, Inc.

**ENVIRONMENTAL CONSULTANTS**

## **CLOSURE REPORT**

**248 Flatbush Avenue  
Brooklyn, New York**

**November 29 2005**

**ACT File #: 4071-BKNY**

**Prepared for:**

**Mr. David Aronowicz  
Cinderella Cleaners & Tailors  
248 Flatbush Avenue  
Brooklyn, New York 11217**

115 Rome Street Farmingdale, New York 11735 Tel: 631/293-4992 Fax: 631/293-4986  
1000 7th North Street, Suite B-30 Liverpool, New York 13088 Tel: 315/451-9720 Fax: 315/451-9727  
E-mail: [advancedcleanuptech.com](mailto:advancedcleanuptech.com)

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1.1 Site Description	1
1.2 Previous Environmental Investigations	1
2.0 Closure Activities	3
2.1 Excavation of Contaminated Soil	3
3.0 Conclusions	5

## FIGURES

<u>NUMBER</u>	<u>TITLE</u>
1	Locational Diagram
2	Site Diagram

## TABLES

<u>NUMBER</u>	<u>TITLE</u>
1	Volatile Organic Compounds in Soil
2	Volatile Organic Compounds in Ground Water
3	Volatile Organic Compounds in Post-Excavation Endpoint Soil

## APPENDICES

<u>SECTION</u>	<u>TITLE</u>
A	Previous Environmental Reports
B	Laboratory Reports
C	Excavation Photographs
D	Soil Disposal Documentation

## **1.0 INTRODUCTION**

### **1.1 Site Description**

The subject property, known as 248 Flatbush Avenue, is located in a residential and commercial area in the western portion of the borough of Kings in New York City. The property is located at the west side of Flatbush Avenue. The site is approximately 5,000 square feet in area and is currently occupied by Cinderella Dry Cleaners. A Locational Diagram showing the site and its immediate vicinity is provided as Figure 1.

### **1.2 Previous Environmental Investigations**

ACT completed a Limited Phase II Environmental Site Assessment on April 5, 2005 to determine whether a suspect historical leak in the basement boiler room impacted the environmental quality of the site. The scope of work was based upon a preliminary inspection of the site on February 7, 2005 and interviews with property representatives. Figure 2 shows the locations of the soil borings at the site. A copy of the previous environmental report is found in Appendix A.

Based on the results of the Limited Phase II Assessment, ACT concluded that the subsurface soil beneath the boiler room had been impacted by dry cleaning solvents. The vertical limit of the impacted soil appeared to be no more than 9 feet below the basement floor.

On July 8, 2005, ACT installed soil boring/temporary well SB-01A in the boiler room to determine whether ground water was impacted by the identified soil contamination, as indicated in



Figure 2. The soil boring was installed and continuously sampled from the basement floor to a depth of 10 feet using a portable hydraulic unit with a percussion hammer in combination with five foot macro samplers containing acetate liners. Soil consisted of brown, silty fine sand and exhibited no measurable organic vapor readings with a Photoionization Detector (PID). In addition, no visual or olfactory evidence of contamination was noted in the soil.

Soil samples from 0 to 2 feet and 8 to 10 feet below the basement floor were transmitted under chain of custody to Environmental Testing Laboratories, Inc. (ETL, ELAP # 10969) for laboratory analysis of Volatile Organic Compounds (VOCs) by EPA Method 8260. In addition, a composite sample from 0 to 10 feet was submitted for waste classification parameters. The results for the analysis of the discrete soil samples are summarized in Table 1. The laboratory reports are contained as Appendix B. Analytical results for the two discrete soil samples indicate the absence of any VOCs in the soil samples above laboratory method detection limits.

A temporary monitoring well was installed to intersect the water table at the location of SB-01A. Depth to ground water was gauged with an oil/water interface probe extended down the temporary well casing. Ground water was encountered at 52.21 feet below the basement floor. No visual or olfactory evidence of contamination was noted in the ground water. An unfiltered ground water sample was collected from the temporary well after purging it of three well volumes of ambient ground water. The purging and sample collection was conducted through the use of a stainless-steel check valve connected to polyethylene tubing.

The ground water sample from SB-01A was transmitted under chain of custody to ETL for analysis of VOCs via EPA Method 8260. The results for the analysis of the ground water sample are summarized in Table 2. The ground water quality data were compared to NYSDEC Division of Water Technical Operational Guidance Series (TOGS) 1.1.1, June 1998, "Ambient Water Quality Standards and Guidance Values." The laboratory reports are contained in Appendix B.

Analytical results for the ground water sample indicate that the VOCs Tetrachlorethene and c-1,2-Dichloroethene were detected slightly above the regulatory standards. Although Acetone was also detected at an elevated concentration, this VOC is typically associated with laboratory contamination and does not appear to be related to the site.

The highest concentrations of chlorinated VOCs in ground water would be expected at this sampling location since the sample was collected directly below the source area. The low level of chlorinated VOCs at this sampling location is also indicative of a limited release. The risk of exposure is also low due to the dense, silty soils and considerable depth of the ground water beneath the site.

## **2.0 CLOSURE ACTIVITIES**

### **2.1 Excavation of Contaminated Soil**

On September 13<sup>th</sup>, 2005, ACT principal supervised the excavation of contaminated soil from the boiler room, as indicated in Figure 2. Appendix C provides photographs of the excavation.

The brick floor was first removed by laborers and then a vacuum truck was utilized to remove the soil to a depth of 5 feet below the basement floor and place it into a lined rolloff container on the street. Excavated soil was continuously screened utilizing a hand held PID. All soil samples had background (0.0 ppm) PID readings and appeared visually clean. Once the excavation was completed, ACT personnel proceeded to collect five post-excavation endpoint samples from the sidewalls and bottom of the excavation, as indicated in Figure 2.

Endpoint samples EP-1 through EP-5 were transmitted under chain of custody to ETL for analysis of VOCs by EPA Method 8260. The analytical results were compared to the Recommended Soil Cleanup Objectives (RSCOs) for VOCs provided in the NYSDEC TAGM, HWR-94-4046, revised December 2000. The results for the analysis of the endpoint samples are summarized in Table 3. The laboratory reports are contained as Appendix B.

As indicated in Table 3, traces of Acetone considerably below its RSCO were detected in samples EP-02, EP-3, EP-04, and EP-05. No VOCs were detected in endpoint sample EP-1. As previously discussed, Acetone is a common laboratory contaminant.

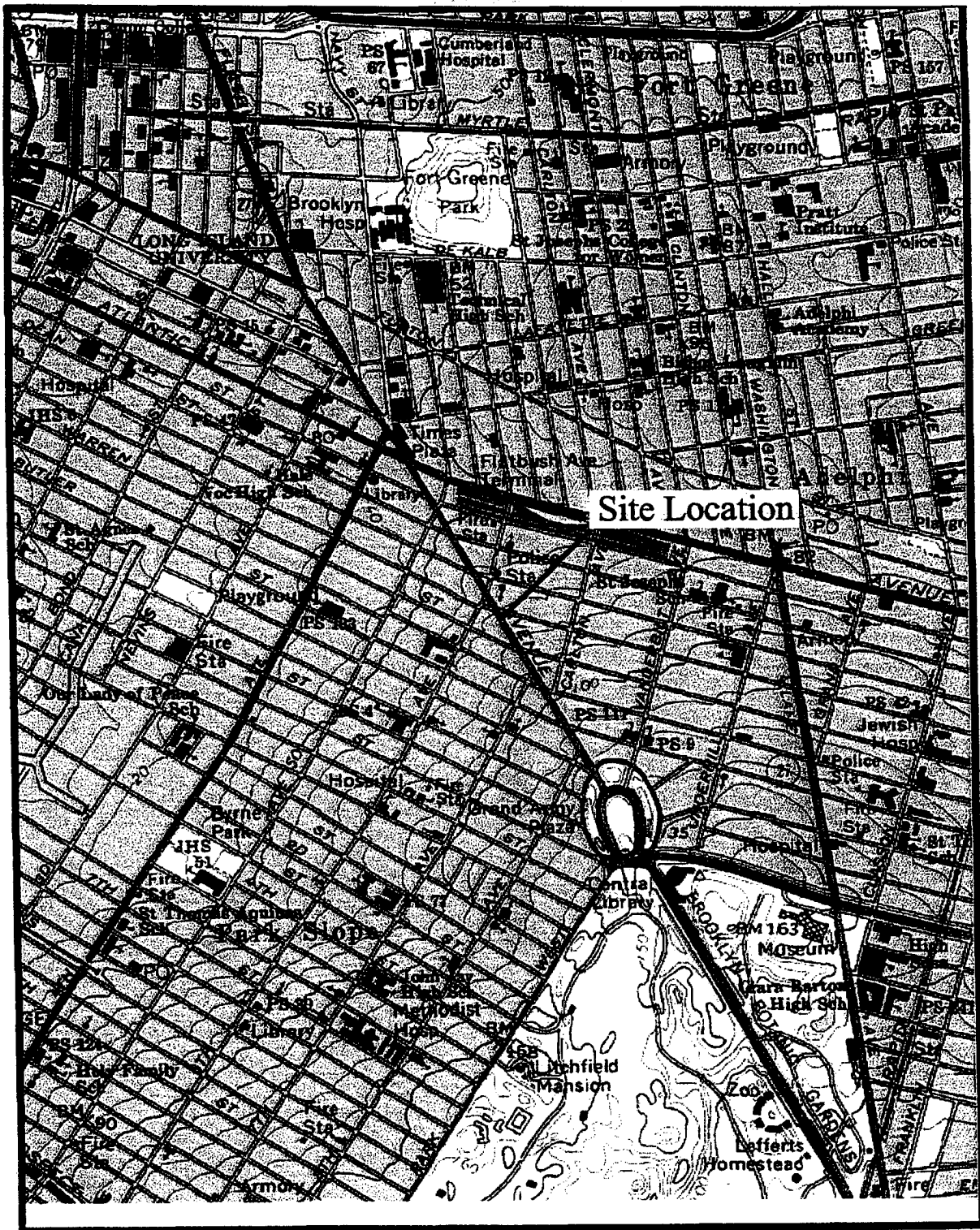
A total of 4.4 tons of soil were removed from the site and transported to Clean Earth of Philadelphia, Inc. Copies of the waste manifests are provided in Appendix D.

### 3.0 CONCLUSIONS

The following conclusions can be made based upon previous subsurface investigations and the excavation of contaminated soil conducted under ACT oversight:

- A total of 4.4 tons of contaminated soil was excavated from the site. Analytical results for five post-excavation endpoint samples collected from the excavation indicate no contaminated soil remains.
- Although the ground water directly below the source area has been impacted, the extent of impact is limited and the risk of exposure is low. Therefore, no further remedial action is deemed necessary.

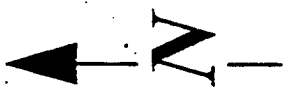
**FIGURES**



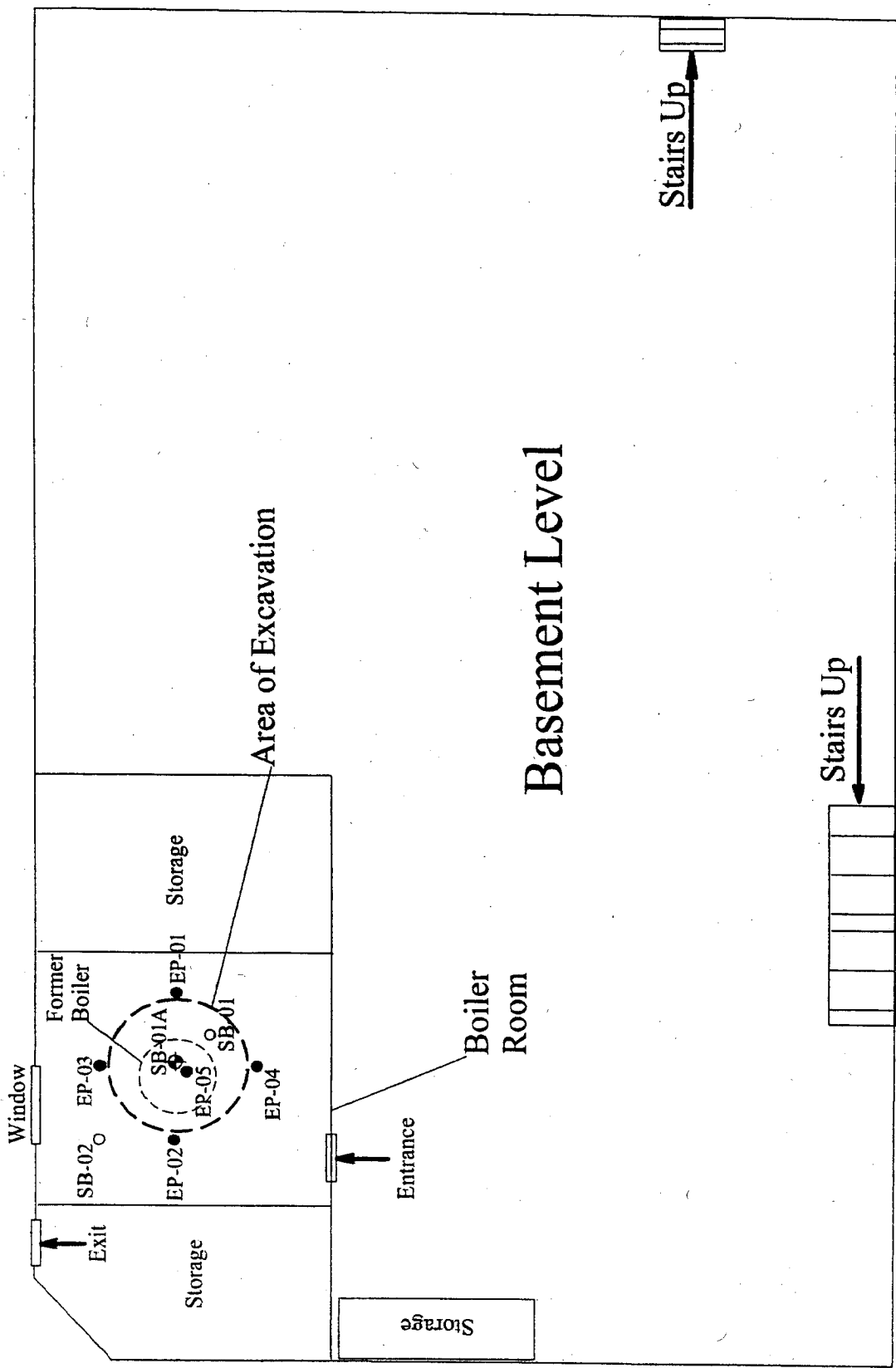
From USGS 7.5 Minute Topographic Map Of  
Brooklyn, New York Quadrangle



Figure 1	
<b>Locational Diagram</b>	
Job No. 4071-BKNY	Date: 10/31/05
Dwg. No. 4071-01	Scale: 1"=2,000'
Drawn By: Caroline Cadalso Appr. By: Paul Stewart	
<i>Advanced Cleanup Technologies</i>	



Flatbush Avenue



# Basement Level

## Legend

- SB-01 Soil Boring
- ⊙ SB-01A Soil Boring/Temporary Well
- EP-01 Endpoint Soil Sample

Figure 2

## Site Diagram

Job No. 4071-BKNY	Date: 10/31/05
Drawing No. 4071-03	Scale: 1 in. = 10 ft. (Approx.)
Drawn By: Caroline Cadalso	Drawn By: Paul Stewart
<b>Advanced Cleanup Technologies, Inc.</b>	

**TABLES**



**Table 1**  
**Volatile Organic Compounds in Soil (ug/kg)**  
**EPA Method 8260**

<b>Chemical</b>	<b>SB-01A (0-2')</b>	<b>SB-01A (8-10')</b>	<b>Standard<sup>1</sup></b>
Dichlorodifluoromethane	<0.60	<0.59	N/A
Chlorodifluoromethane	<1.09	<1.07	N/A
Chloromethane	<1.84	<1.82	N/A
Vinyl Chloride	<1.09	<1.07	200
Bromomethane	<0.69	<0.68	N/A
Chloroethane	<1.02	<1.01	N/A
Trichlorofluoromethane	<0.93	<0.92	N/A
1,1,2-Trichlorotrifluoroethane	<0.80	<0.79	N/A
1,1-Dichloroethene	<1.29	<1.27	400
Acetone	<12.1	<11.9	200
Carbon disulfide	<0.87	<0.85	N/A
Methylene Chloride	<1.15	<1.14	100
t-1,2-Dichloroethene	<1.13	<1.12	300
Methyl t-butyl ether	<1.84	<1.82	120
1,1-Dichloroethane	<0.91	<0.90	200
2,2-Dichloropropane	<0.75	<0.74	N/A
c-1,2-Dichloroethene	<1.20	<1.18	N/A
2-Butanone	<10.6	<10.4	N/A
Bromochloromethane	<1.27	<1.25	N/A
Chloroform	<0.80	<0.79	300
1,1,1-Trichloroethane	<1.07	<1.05	800
Carbon Tetrachloride	<1.22	<1.20	600
1,1-Dichloropropene	<1.13	<1.12	N/A
Benzene	<1.09	<1.07	60 or MDL
1,2-Dichloroethane	<1.00	<0.99	100
Trichloroethene	<1.04	<1.03	700
1,2-Dichloropropane	<0.87	<0.85	N/A
Dibromomethane	<1.49	<1.47	N/A
Bromodichloromethane	<0.91	<0.90	N/A
2-Chloroethylvinylether	<4.80	<4.73	N/A
c-1,3-Dichloropropene	<0.98	<0.96	N/A
4-Methyl-2-pentanone	<10.3	<10.1	N/A
Toluene	<1.04	<1.03	1,500
t-1,3-Dichloropropene	<0.93	<0.92	N/A
1,1,2-Trichloroethane	<0.95	<0.94	N/A
Tetrachloroethene	<1.98	<1.95	1,400

**Table 1 (Continued)**  
**Volatile Organic Compounds in Soil (ug/kg)**  
**EPA Method 8260**

<b>Chemical</b>	<b>SB-01A (0-2')</b>	<b>SB-01A (8-10')</b>	<b>Standard<sup>1</sup></b>
1,3-Dichloropropane	<1.35	<1.34	300
2-Hexanone	<9.90	<9.77	N/A
Dibromochloromethane	<1.18	<1.16	N/A
1,2-Dibromoethane	<0.95	<0.94	N/A
Chlorobenzene	<0.93	<0.92	1,700
1,1,1,2-Tetrachloroethane	<0.98	<0.96	N/A
Ethylbenzene	<0.53	<0.53	5,500
m,p-Xylenes	<1.84	<1.82	1,200
o-Xylenes	<0.93	<0.92	1,200
Styrene	<0.95	<0.94	N/A
Bromoform	<1.53	<1.51	N/A
Isopropylbenzene	<0.75	<0.74	2,300
Bromobenzene	<0.53	<0.53	N/A
1,1,2,2-Tetrachloroethane	<1.38	<1.36	600
n-Propylbenzene	<0.75	<0.74	3,700
1,2,3-Trichloropropane	<2.97	<2.93	400
p-Ethyltoluene	<0.62	<0.61	N/A
1,3,5-Trimethylbenzene	<1.27	<1.25	3,300
2-Chlorotoluene	<0.75	<0.74	N/A
4-Chlorotoluene	<0.78	<0.77	N/A
tert-Butylbenzene	<0.62	<0.61	10,000
1,2,4-Trimethylbenzene	<1.40	<1.38	10,000
sec-Butylbenzene	<0.71	<0.70	10,000
4-Isopropyltoluene	<0.91	<0.90	N/A
1,3-Dichlorobenzene	<0.78	<0.77	1,600
1,4-Dichlorobenzene	<0.78	<0.77	8,500
1,2-Dichlorobenzene	<0.87	<0.85	7,900
p-Diethylbenzene	<1.24	<1.23	N/A
n-Butylbenzene	<1.44	<1.42	10,000
1,2,4,5-Tetramethylbenzene	<1.47	<1.45	N/A
1,2-Dibromo-3-chloropropane	<2.91	<2.87	N/A
1,2,4-Trichlorobenzene	<1.91	<1.88	3,400
Hexachlorobutadiene	<0.71	<0.70	N/A
Naphthalene	<2.13	<2.10	13,000
1,2,3-Trichlorobenzene	<1.82	<1.80	N/A
TAME	<1.04	<1.03	N/A
Tertiary butyl alcohol	<25.5	<25.2	N/A

<sup>1</sup> NYSDEC TAGM, HWR-94-4046 (Revised December, 2000)

N/A = Not Available

Bolded values signify exceedance of regulatory standard

**Table 2**  
**Volatile Organic Compounds in Water (ug/L)**  
**EPA Method 8260**

<b>Chemical</b>	<b>SB-01A</b>	<b>Standard<sup>1</sup></b>
Dichlorodifluoromethane	<0.36	5
Chlorodifluoromethane	<0.43	NS
Chloromethane	<0.57	5
Vinyl Chloride	<0.38	2
Bromomethane	<0.56	5
Chloroethane	<0.55	5
Trichlorofluoromethane	<0.40	5
1,1,2-Trichlorotrifluoroethane	<1.06	5
1,1-Dichloroethene	<0.44	5
Acetone	3210	50
Carbon disulfide	<0.45	50
Methylene Chloride	<0.19	5
t-1,2-Dichloroethene	<0.40	5
Methyl t-butyl ether	<0.41	10
1,1-Dichloroethane	<0.32	5
2,2-Dichloropropane	<0.66	5
c-1,2-Dichloroethene	5.37	5
2-Butanone	<0.87	50
Bromochloromethane	<0.35	5
Chloroform	4.44	7
1,1,1-Trichloroethane	<0.40	5
Carbon Tetrachloride	<0.34	5
1,1-Dichloropropene	<0.31	5
Benzene	<0.38	1
1,2-Dichloroethane	<0.20	0.6
Trichloroethene	1.2	5
1,2-Dichloropropane	<0.28	1
Dibromomethane	<0.24	5
Bromodichloromethane	<0.23	50
2-Chloroethylvinylether	<0.27	NS
c-1,3-Dichloropropene	<0.32	0.4
4-Methyl-2-pentanone	<0.74	NS
Toluene	<0.36	5
t-1,3-Dichloropropene	<0.30	0.4
1,1,2-Trichloroethane	<0.28	1
Tetrachloroethene	285	5

**Table 2 (Continued)**  
**Volatile Organic Compounds in Water (ug/L)**  
**EPA Method 8260**

<b>Chemical</b>	<b>SB-01A</b>	<b>Standard<sup>1</sup></b>
1,3-Dichloropropane	<0.26	5
2-Hexanone	<0.95	50
Dibromochloromethane	<0.26	50
1,2-Dibromoethane	<0.30	50
Chlorobenzene	<0.32	5
1,1,1,2-Tetrachloroethane	<0.31	5
Ethylbenzene	<0.30	5
m,p-xylenes	<0.62	5
o-xylenes	<0.30	5
Styrene	<0.35	5
Bromoform	<0.22	50
Isopropylbenzene	<0.29	5
Bromobenzene	<0.32	5
1,1,2,2-Tetrachloroethane	<0.21	5
n-Propylbenzene	<0.32	5
1,2,3-Trichloropropane	<0.42	0.04
p-Ethyltoluene	<0.33	NS
1,3,5-Trimethylbenzene	<0.42	5
2-Chlorotoluene	<0.41	5
4-Chlorotoluene	<0.34	5
tert-Butylbenzene	<0.32	5
1,2,4-Trimethylbenzene	<0.29	5
sec-Butylbenzene	<0.34	5
4-Isopropyltoluene	<0.24	5
1,3-Dichlorobenzene	<0.25	3
1,4-Dichlorobenzene	<0.30	3
1,2-Dichlorobenzene	<0.28	3
p-Diethylbenzene	<0.31	NS
n-Butylbenzene	<0.29	5
1,2,4,5-Tetramethylbenzene	<0.34	5
1,2-Dibromo-3-chloropropane	<0.42	0.04
1,2,4-Trichlorobenzene	<0.36	5
Hexachlorobutadiene	<0.94	0.5
Naphthalene	<0.28	10
1,2,3-Trichlorobenzene	<0.28	5
TAME	<0.17	NS
Tertiary butyl alcohol	<1.81	NS

<sup>1</sup> NYSDEC TOGS 1.1.1, June, 1998

Bolded values signify exceedance of regulatory standard

NS= No Standard or Guidance Value for the compound is provided in TOGS 1.1.1.

**Table 3**  
**Volatile Organic Compounds in Post-Excavation Endpoint Soil (ug/kg)**  
**EPA Method 8260**

Chemical	EP-01	EP-02	EP-03	EP-04	EP-05	Standard <sup>1</sup>
Dichlorodifluoromethane	<0.59	<0.60	<0.55	<0.59	<0.59	N/A
Chlorodifluoromethane	<1.07	<1.08	<0.99	<1.07	<1.06	N/A
Chloromethane	<1.81	<1.83	<1.68	<1.82	<1.80	N/A
Vinyl Chloride	<1.07	<1.08	<0.99	<1.07	<1.06	200
Bromomethane	<0.68	<0.69	<0.63	<0.68	<0.67	N/A
Chloroethane	<1.00	<1.02	<0.93	<1.01	<1.00	N/A
Trichlorofluoromethane	<0.92	<0.93	<0.85	<0.92	<0.91	N/A
1,1,2-Trichlorotrifluoroethane	<0.78	<0.80	<0.73	<0.79	<0.78	N/A
1,1-Dichloroethene	<1.26	<1.28	<1.18	<1.27	<1.26	400
Acetone	<11.9	21.6	21.7	18.2	35.7	200
Carbon disulfide	<0.85	<0.86	<0.79	<0.85	<0.85	N/A
Methylene Chloride	<1.13	<1.15	<1.06	<1.14	<1.13	100
t-1,2-Dichloroethene	<1.11	<1.13	<1.04	<1.12	<1.11	300
Methyl t-butyl ether	<1.81	<1.83	<1.68	<1.82	<1.80	120
1,1-Dichloroethane	<0.89	<0.91	<0.83	<0.90	<0.89	200
2,2-Dichloropropane	<0.74	<0.75	<0.69	<0.74	<0.74	N/A
c-1,2-Dichloroethene	<1.18	<1.19	<1.10	<1.18	<1.17	N/A
2-Butanone	<10.4	<10.5	<9.68	<10.4	<10.4	N/A
Bromochloromethane	<1.24	<1.26	<1.16	<1.25	<1.24	N/A
Chloroform	<0.78	<0.80	<0.73	<0.79	<0.78	300
1,1,1-Trichloroethane	<1.05	<1.06	<0.97	<1.05	<1.04	800
Carbon Tetrachloride	<1.20	<1.22	<1.12	<1.20	<1.19	600
1,1-Dichloropropene	<1.11	<1.13	<1.04	<1.12	<1.11	N/A
Benzene	<1.07	<1.08	<0.99	<1.07	<1.06	60 or MDL
1,2-Dichloroethane	<0.98	<0.99	<0.91	<0.99	<0.98	100
Trichloroethene	<1.02	<1.04	<0.95	<1.03	<1.02	700
1,2-Dichloropropane	<0.85	<0.86	<0.79	<0.85	<0.85	N/A
Dibromomethane	<1.46	<1.48	<1.36	<1.47	<1.45	N/A
Bromodichloromethane	<0.89	<0.91	<0.83	<0.90	<0.89	N/A
2-Chloroethylvinylether	<4.71	<4.77	<4.38	<4.73	<4.69	N/A
c-1,3-Dichloropropene	<0.96	<0.97	<0.89	<0.96	<0.95	N/A
4-Methyl-2-pentanone	<10.1	<10.2	<9.40	<10.1	<10.0	N/A
Toluene	<1.02	<1.04	<0.95	<1.03	<1.02	1,500
t-1,3-Dichloropropene	<0.92	<0.93	<0.85	<0.92	<0.91	N/A
1,1,2-Trichloroethane	<0.94	<0.95	<0.87	<0.94	<0.93	N/A
Tetrachloroethene	<1.94	<1.97	<1.81	<1.95	<1.93	1,400

**Table 3 (Continued)**  
**Volatile Organic Compounds in Post-Excavation Endpoint Soil (ug/kg)**  
**EPA Method 8260**

<b>Chemical</b>	<b>EP-01</b>	<b>EP-02</b>	<b>EP-03</b>	<b>EP-04</b>	<b>EP-05</b>	<b>Standard<sup>1</sup></b>
1,3-Dichloropropane	<1.33	<1.35	<1.24	<1.34	<1.32	300
2-Hexanone	<9.72	<9.86	<9.05	<9.77	<9.68	N/A
Dibromochloromethane	<1.16	<1.17	<1.08	<1.16	<1.15	N/A
1,2-Dibromoethane	<0.94	<0.95	<0.87	<0.94	<0.93	N/A
Chlorobenzene	<0.92	<0.93	<0.85	<0.92	<0.91	1,700
1,1,1,2-Tetrachloroethane	<0.96	<0.97	<0.89	<0.96	<0.95	N/A
Ethylbenzene	<0.52	<0.53	<0.49	<0.53	<0.52	5,500
m,p-Xylenes	<1.81	<1.83	<1.68	<1.82	<1.80	1,200
o-Xylenes	<0.92	<0.93	<0.85	<0.92	<0.91	1,200
Styrene	<0.94	<0.95	<0.87	<0.94	<0.93	N/A
Bromoform	<1.50	<1.52	<1.40	<1.51	<1.50	N/A
Isopropylbenzene	<0.74	<0.75	<0.69	<0.74	<0.74	2,300
Bromobenzene	<0.52	<0.53	<0.49	<0.53	<0.52	N/A
1,1,2,2-Tetrachloroethane	<1.35	<1.37	<1.26	<1.36	<1.35	600
n-Propylbenzene	<0.74	<0.75	<0.69	<0.74	<0.74	3,700
1,2,3-Trichloropropane	<2.92	<2.96	<2.72	<2.93	<2.91	400
p-Ethyltoluene	<0.61	<0.62	<0.57	<0.61	<0.61	N/A
1,3,5-Trimethylbenzene	<1.24	<1.26	<1.16	<1.25	<1.24	3,300
2-Chlorotoluene	<0.74	<0.75	<0.69	<0.74	<0.74	N/A
4-Chlorotoluene	<0.76	<0.77	<0.71	<0.77	<0.76	N/A
tert-Butylbenzene	<0.61	<0.62	<0.57	<0.61	<0.61	10,000
1,2,4-Trimethylbenzene	<1.37	<1.39	<1.28	<1.38	<1.37	10,000
sec-Butylbenzene	<0.70	<0.71	<0.65	<0.70	<0.69	10,000
4-Isopropyltoluene	<0.89	<0.91	<0.83	<0.90	<0.89	N/A
1,3-Dichlorobenzene	<0.76	<0.77	<0.71	<0.77	<0.76	1,600
1,4-Dichlorobenzene	<0.76	<0.77	<0.71	<0.77	<0.76	8,500
1,2-Dichlorobenzene	<0.85	<0.86	<0.79	<0.85	<0.85	7,900
p-Diethylbenzene	<1.22	<1.24	<1.14	<1.23	<1.22	N/A
n-Butylbenzene	<1.42	<1.44	<1.32	<1.42	<1.41	10,000
1,2,4,5-Tetramethylbenzene	<1.44	<1.46	<1.34	<1.45	<1.43	N/A
1,2-Dibromo-3-chloropropane	<2.86	<2.90	<2.66	<2.87	<2.84	N/A
1,2,4-Trichlorobenzene	<1.87	<1.90	<1.75	<1.88	<1.87	3,400
Hexachlorobutadiene	<0.70	<0.71	<0.65	<0.70	<0.69	N/A
Naphthalene	<2.09	<2.12	<1.95	<2.10	<2.08	13,000
1,2,3-Trichlorobenzene	<1.79	<1.81	<1.66	<1.80	<1.78	N/A
TAME	<1.02	<1.04	<0.95	<1.03	<1.02	N/A
Tertiary butyl alcohol	<25.1	<25.4	<23.3	<25.2	<25.0	N/A
Acrylonitrile	<8.81	<8.93	<8.20	<8.85	<8.77	N/A

<sup>1</sup> NYSDEC TAGM, HWR-94-4046 (Revised December, 2000)

N/A = Not Available

Bolded values signify exceedance of regulatory standard

**APPENDIX A**

**PREVIOUS ENVIRONMENTAL REPORTS**

# Advanced Cleanup Technologies, Inc.

## ENVIRONMENTAL CONSULTANTS

April 5, 2005

Mr. David Aronowicz  
Cinderella Cleaners & Tailors  
248 Flatbush Avenue  
Brooklyn, New York 11217

Re: Limited Phase II Environmental Site Assessment  
248 Flatbush Avenue, Brooklyn, NY

Dear Mr. Aronowicz:

On March 4, 2005, Advanced Cleanup Technologies, Inc. (ACT) performed a Limited Phase II Environmental Site Assessment of the above-referenced property (Figure 1, Locational Diagram). The purpose for this assessment was to determine whether historic dry cleaning operations had impacted the environmental quality of the subject property. The scope of work was based upon a preliminary inspection of the subject property on February 7, 2005 and interviews with property representatives.

The scope of the assessment included the installation, sampling and analysis of two soil borings. The scope of work also included in-field screening of soil samples and the laboratory analysis of two soil samples for volatile organic compounds (VOCs) including those associated with dry cleaning. This letter report summarizes the results of the Limited Phase II assessment.

On March 4, 2005, ACT installed two soil borings (SB-01 and SB-02) through the floor of the boiler room located in the northwest corner of the building's basement. The soil borings were installed utilizing a portable hydraulic unit with a hydraulic percussion hammer, in combination with four foot macro samplers containing acetate liners. The soil borings were continuously sampled from below the concrete floor to a maximum depth of 12 feet below the floor. Figure 2 shows the locations of the soil borings.

115 Rome Street Farmingdale, New York 11735 Tel: 631/293-4992 Fax: 631/293-4986  
1000 7th North Street, Suite B-30 Liverpool, New York 13088 Tel: 315/451-9720 Fax: 315/451-9727  
E-mail: [advancedcleanuptech.com](mailto:advancedcleanuptech.com)



Mr. David Aronowicz  
April 5, 2005  
Page Two

Soil samples were screened for VOCs in the field utilizing a Photoionization Detector (PID). At SB-01, elevated PID readings ranging from 900 parts per million (ppm) at a depth of 0 to 2 feet to 33 ppm at 11 to 12 feet were encountered. These elevated PID readings coincided with a solvent odor encountered from 0 to 12 feet below grade. At SB-02, less significant PID readings ranging from 52 ppm at 2 to 3 feet to 15 ppm at 11 to 12 feet were encountered. No solvent odor was noted in this boring. Soil samples generally consisted of a red-brown silty, fine to medium sand with a trace of angular gravel. No ground water was encountered in these borings.

A temporary monitoring well was also attempted at the location of SB-01 to determine any impacts to ground water beneath the subject property. The temporary well was installed to a depth of 26 feet below ground surface. Unfortunately, no ground water was encountered at that depth. A review of the USGS topographic map for the vicinity of the site indicates that ground water can be expected to be present approximately 50 feet below ground surface, or 40 feet below the basement floor (See Figure 1).

A soil sample from each soil boring at its maximum depth, which also exhibited the lowest PID reading, was transmitted to Environmental Testing Laboratories, Inc. (ETL, ELAP No. 10969). The soil samples were analyzed for VOCs by United States Environmental Protection Agency (EPA) Method 8260. The laboratory results were compared to New York State Department of Environmental Conservation (NYSDEC) TAGM HWR-94-4046, Recommended Soil Cleanup Objectives, revised December, 2000 (NYSDEC TAGM).

No VOCs were detected in soil sample SB-01 (11-12'), with the exception of a low concentration of tetrachloroethene (.004 ppm), which is commonly associated with dry cleaning solvents. This level of tetrachloroethene is below the regulatory standard of 1.4 ppm. No VOCs were detected in soil sample SB-02 (9-10').

The following conclusions can be made from the results of the Limited Phase II Environmental Site Assessment completed to date:

- The soil at sampling locations SB-01 and SB-02 appears to have been impacted by historical dry cleaning operations. However, based on the significant decrease in PID readings at 8 to 12' below the floor and the trace concentration of tetrachloroethene detected in the soil sample from SB-01, it appears that the vertical extent of soil contamination is limited. PID readings at SB-02 were significantly less than those detected at SB-01, which also indicates the horizontal extent is limited.

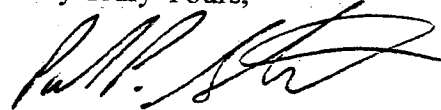
Mr. David Aronowicz  
April 5, 2005  
Page Three

ACT makes the following recommendations with regards to the above conclusions:

- It is recommended that the impacted soils be excavated from below the boiler room until clean endpoint samples can be obtained or to the maximum extent feasible in light of the physical structures and limitations of that area of the Site. This will require the removal of the existing boiler. It is estimated that 30 tons of contaminated soil will require removal, transportation, and proper disposal. The cost to remediate these soils is estimated to be \$15,000.
- A supplemental assessment should be performed to verify whether the ground water beneath the Site has been impacted by historic dry cleaning operations. A minimum of three temporary monitoring wells should be installed at the Site. The cost to install, sample and analyze ground water samples from temporary monitoring wells to verify the absence of ground water contamination beneath the property is estimated to be \$7,500.

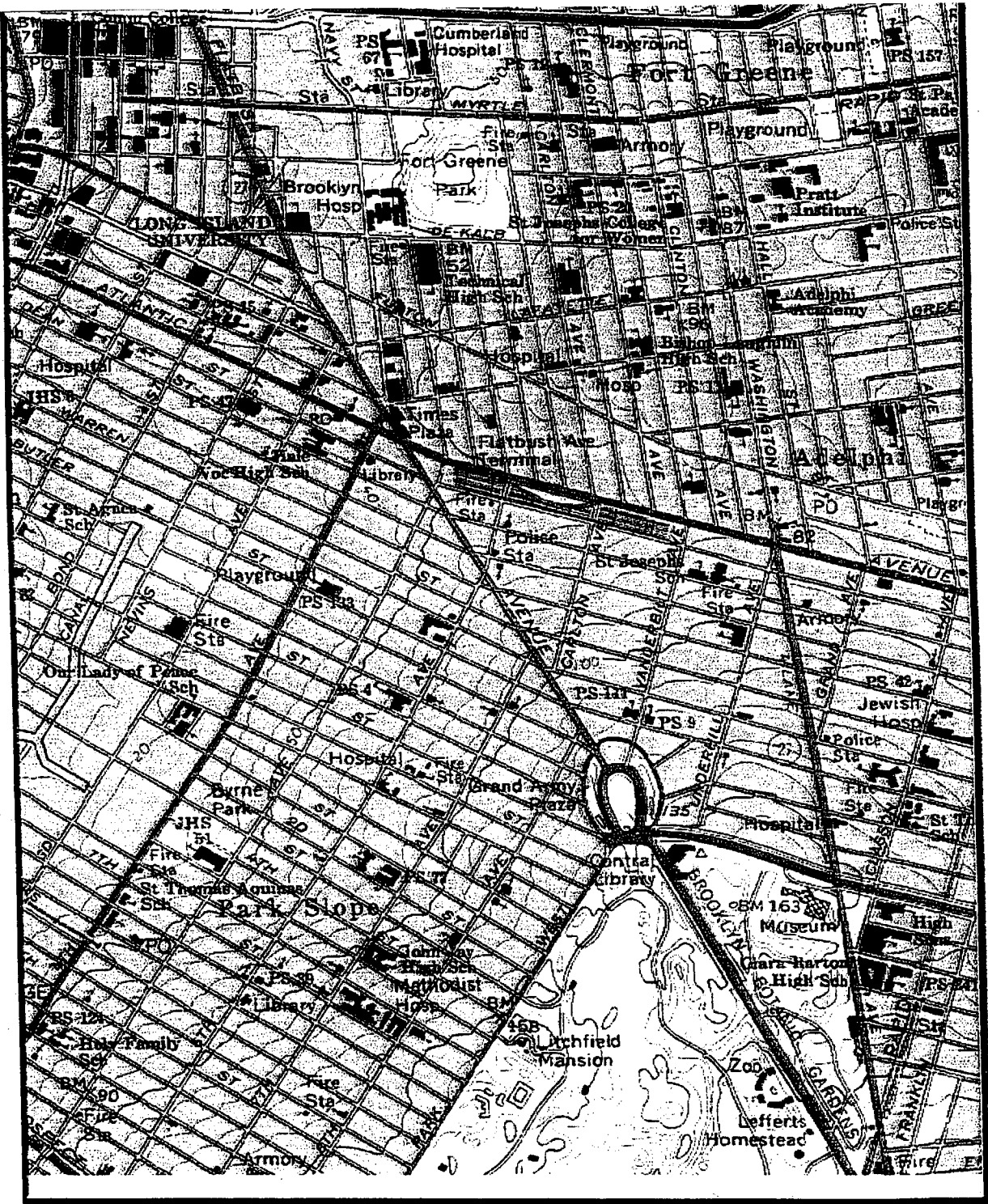
Please feel free to contact the undersigned if you have any questions concerning the above.

Very Truly Yours,



Paul P. Stewart  
President

PPS/nl  
Enc.



From USGS 7.5 Minute Topographic Map Of  
Brooklyn, New York Quadrangle



Figure 1	
<b>Locational Diagram</b>	
Job No. 4071-BKNY	Date: 4/04/05
Dwg. No. 4071-01	Scale: 1"=2,000'
Drawn By: Caroline Cadaisd Appr. By: Paul Stewart	
<i>Advanced Cleanup Technologies</i>	

Flatbush Avenue

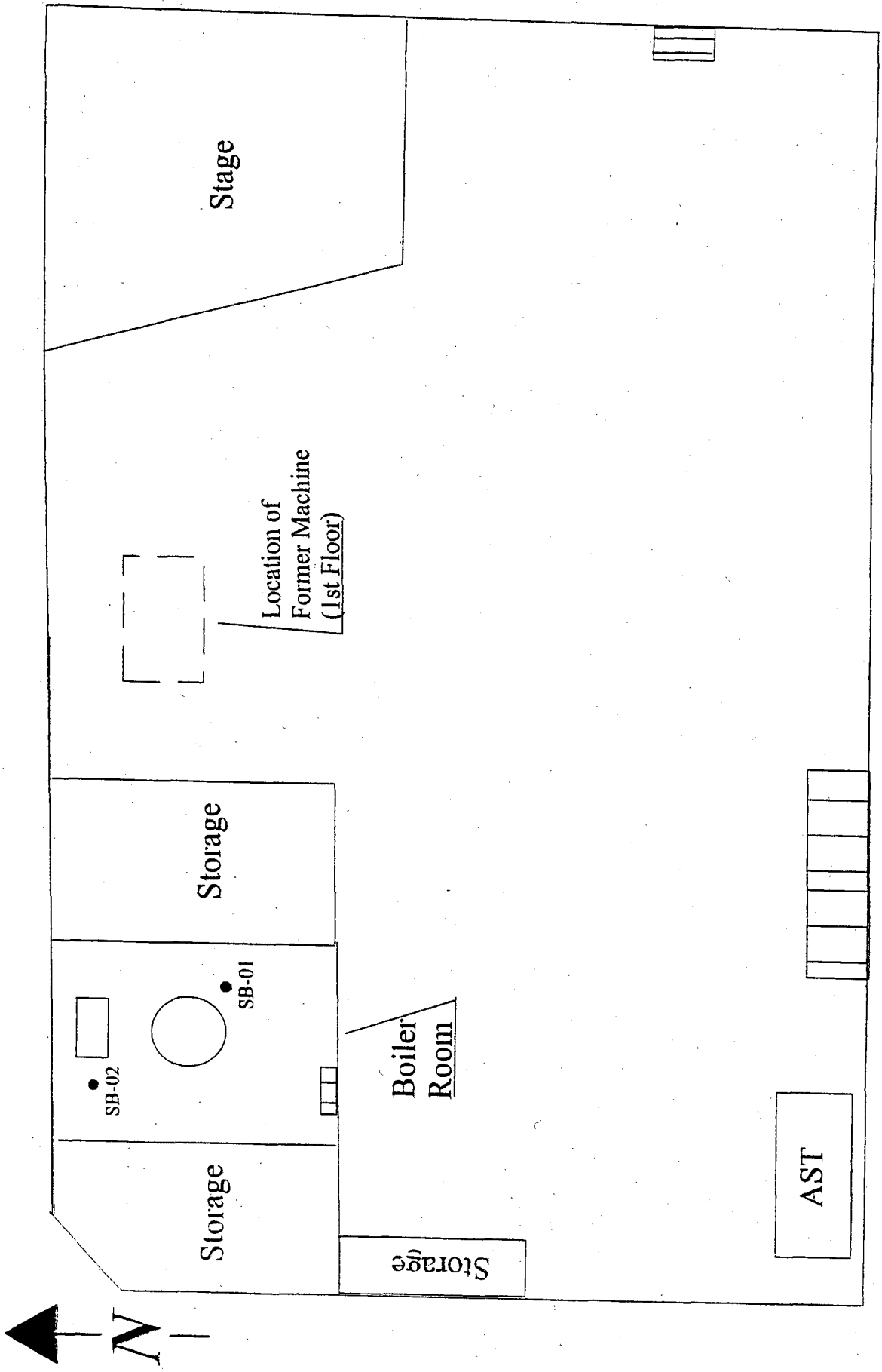


Figure 2

### Site Diagram

Job No. 4071-BKNY	Date: 4/4/05
Drawing No. 4071-02	Scale: NTS
Drawn By: Caroline Cadalso	
Approved By: Paul Stewart	
<i>Advanced Cleanup Technologies, Inc.</i>	

248 Flatbush Avenue (Basement Level)

**Legend**

- Boring Location
- SB-01

03/09/2005

Laboratory Identifier: 0503133

Custody Document: S6245  
Received: 03/07/2005 14:35  
Sampled by: Steven Walls

Client: Advanced Cleanup Technologies

115 Rome Street  
Farmingdale,  
NY 11735

Project: 4071-BHNY

Manager: Caroline Cadalso

Respectfully submitted,

*Patricia Werner-Els*  
Quality Assurance Officer

NYS Lab ID # 10969  
NJ Cert. # 73812  
CT Cert. # PH0645  
MA Cert. # NY061  
PA Cert. # 68-535  
NH Cert. # 252592-BA  
RI Cert. # 161

The information contained in this report is confidential and intended only for the use of the client listed above. This report shall not be reproduced, except in full, without the written consent of Environmental Testing Laboratories, Inc.



03/09/2005

Volatiles - EPA 8260B

Sample: 0503133-1

Client Sample ID: SB-01

Matrix: Soil

Type: Grab

Collected: 03/04/2005 10:30

Remarks: See Case Narrative

% Solid: 91.2%

Analyzed Date: 03/08/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1699-167	0.59	0.59	ppb	U
75-45-6	Chlorodifluoromethane	B1699-167	1.07	1.07	ppb	U
74-87-3	Chloromethane	B1699-167	1.82	1.82	ppb	U
75-01-4	Vinyl Chloride	B1699-167	1.07	1.07	ppb	U
74-83-9	Bromomethane	B1699-167	0.68	0.68	ppb	U
75-00-3	Chloroethane	B1699-167	1.01	1.01	ppb	U
75-69-4	Trichlorofluoromethane	B1699-167	0.92	0.92	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1699-167	0.79	0.79	ppb	U
75-35-4	1,1-Dichloroethene	B1699-167	1.27	1.27	ppb	U
67-64-1	Acetone	B1699-167	11.9	11.9	ppb	U
75-15-0	Carbon disulfide	B1699-167	0.85	0.85	ppb	U
75-09-2	Methylene Chloride	B1699-167	1.14	1.14	ppb	U
156-60-5	t-1,2-Dichloroethene	B1699-167	1.12	1.12	ppb	U
1634-04-4	Methyl t-butyl ether	B1699-167	1.82	1.82	ppb	U
75-34-3	1,1-Dichloroethane	B1699-167	0.90	0.90	ppb	U
590-20-7	2,2-Dichloropropane	B1699-167	0.74	0.74	ppb	U
156-59-2	c-1,2-Dichloroethene	B1699-167	1.18	1.18	ppb	U
78-93-3	2-Butanone	B1699-167	10.4	10.4	ppb	U
74-97-5	Bromochloromethane	B1699-167	1.25	1.25	ppb	U
67-66-3	Chloroform	B1699-167	0.79	0.79	ppb	U
71-55-6	1,1,1-Trichloroethane	B1699-167	1.05	1.05	ppb	U
56-23-5	Carbon Tetrachloride	B1699-167	1.20	1.20	ppb	U
563-58-6	1,1-Dichloropropene	B1699-167	1.12	1.12	ppb	U
71-43-2	Benzene	B1699-167	1.07	1.07	ppb	U
107-06-2	1,2-Dichloroethane	B1699-167	0.99	0.99	ppb	U
79-01-6	Trichloroethene	B1699-167	1.03	1.03	ppb	U
78-87-5	1,2-Dichloropropane	B1699-167	0.85	0.85	ppb	U
74-95-3	Dibromomethane	B1699-167	1.47	1.47	ppb	U
75-27-4	Bromodichloromethane	B1699-167	0.90	0.90	ppb	U
110-75-8	2-Chloroethylvinylether	B1699-167	4.73	4.73	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1699-167	0.96	0.96	ppb	U
106-10-1	4-Methyl-2-pentanone	B1699-167	10.1	10.1	ppb	U
106-88-3	Toluene	B1699-167	1.03	1.03	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1699-167	0.92	0.92	ppb	U



03/09/2005

Volatiles - EPA 8260B

Sample: 0503133-1

Client Sample ID: SB-01

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 03/08/2005

Type: Grab

Collected: 03/04/2005 10:30

% Solid: 91.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1699-167	0.94	0.94	ppb	U
127-18-4	Tetrachloroethene	B1699-167	1.95	4.47	ppb	Y
142-28-9	1,3-Dichloropropane	B1699-167	1.34	1.34	ppb	U
591-78-6	2-Hexanone	B1699-167	9.77	9.77	ppb	U
124-48-1	Dibromochloromethane	B1699-167	1.16	1.16	ppb	U
106-93-4	1,2-Dibromoethane	B1699-167	0.94	0.94	ppb	U
108-90-7	Chlorobenzene	B1699-167	0.92	0.92	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1699-167	0.96	0.96	ppb	U
100-41-4	Ethylbenzene	B1699-167	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B1699-167	1.82	1.82	ppb	U
95-47-6	o-xylene	B1699-167	0.92	0.92	ppb	U
100-42-5	Styrene	B1699-167	0.94	0.94	ppb	U
75-25-2	Bromoform	B1699-167	1.51	1.51	ppb	U
98-82-8	Isopropylbenzene	B1699-167	0.74	0.74	ppb	U
108-86-1	Bromobenzene	B1699-167	0.53	0.53	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1699-167	1.36	1.36	ppb	U
103-65-1	n-Propylbenzene	B1699-167	0.74	0.74	ppb	U
96-18-4	1,2,3-Trichloropropane	B1699-167	2.93	2.93	ppb	U
622-96-8	p-Ethyltoluene	B1699-167	0.61	0.61	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1699-167	1.25	1.25	ppb	U
95-49-8	2-Chlorotoluene	B1699-167	0.74	0.74	ppb	U
106-43-4	4-Chlorotoluene	B1699-167	0.77	0.77	ppb	U
98-06-6	tert-Butylbenzene	B1699-167	0.61	0.61	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1699-167	1.38	1.38	ppb	U
135-98-8	sec-Butylbenzene	B1699-167	0.70	0.70	ppb	U
99-87-6	4-Isopropyltoluene	B1699-167	0.90	0.90	ppb	U
541-73-1	1,3-Dichlorobenzene	B1699-167	0.77	0.77	ppb	U
106-46-7	1,4-Dichlorobenzene	B1699-167	0.77	0.77	ppb	U
95-50-1	1,2-Dichlorobenzene	B1699-167	0.85	0.85	ppb	U
105-05-5	p-Diethylbenzene	B1699-167	1.23	1.23	ppb	U
104-51-8	n-Butylbenzene	B1699-167	1.42	1.42	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1699-167	1.45	1.45	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1699-167	2.87	2.87	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1699-167	1.88	1.88	ppb	U



03/09/2005

### Volatiles - EPA 8260B

**Sample:** 0503133-1

Client Sample ID: SB-01

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 03/08/2005

Type: Grab

Collected: 03/04/2005 10:30

% Solid: 91.2%

### Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1699-167	0.70	0.70	ppb	U
91-20-3	Naphthalene	B1699-167	2.10	2.10	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1699-167	1.80	1.80	ppb	U
994-05-8	TAME	B1699-167	1.03	1.03	ppb	U
75-65-0	Tertiary butyl alcohol	B1699-167	25.2	25.2	ppb	U

\* Results are reported on a dry weight basis

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1699-167	95.7 %	( 74 - 121)	
4774-33-8	DIBROMOFLUOROMETHANE	B1699-167	96.9 %	( 80 - 120)	
2037-26-5	TOLUENE-D8	B1699-167	100.0 %	( 81 - 117)	





03/09/2005

Volatiles - EPA 8260B

Sample: 0503133-2

Client Sample ID: SB-02

Matrix: Soil

Type: Grab

Collected: 03/04/2005 11:30

% Solid: 88.2%

Remarks: See Case Narrative

Analyzed Date: 03/08/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B 1699-168	0.61	0.61	ppb	U
75-45-6	Chlorodifluoromethane	B 1699-168	1.11	1.11	ppb	U
74-87-3	Chloromethane	B 1699-168	1.88	1.88	ppb	U
75-01-4	Vinyl Chloride	B 1699-168	1.11	1.11	ppb	U
74-83-9	Bromomethane	B 1699-168	0.70	0.70	ppb	U
75-00-3	Chloroethane	B 1699-168	1.04	1.04	ppb	U
75-69-4	Trichlorofluoromethane	B 1699-168	0.95	0.95	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1699-168	0.82	0.82	ppb	U
75-35-4	1,1-Dichloroethene	B 1699-168	1.32	1.32	ppb	U
67-64-1	Acetone	B 1699-168	12.4	12.4	ppb	U
75-15-0	Carbon disulfide	B 1699-168	0.89	0.89	ppb	U
75-09-2	Methylene Chloride	B 1699-168	1.18	1.18	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1699-168	1.16	1.16	ppb	U
1634-04-4	Methyl t-butyl ether	B 1699-168	1.88	1.88	ppb	U
75-34-3	1,1-Dichloroethane	B 1699-168	0.93	0.93	ppb	U
590-20-7	2,2-Dichloropropane	B 1699-168	0.77	0.77	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1699-168	1.23	1.23	ppb	U
78-93-3	2-Butanone	B 1699-168	10.8	10.8	ppb	U
74-97-5	Bromochloromethane	B 1699-168	1.29	1.29	ppb	U
67-66-3	Chloroform	B 1699-168	0.82	0.82	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1699-168	1.09	1.09	ppb	U
56-23-5	Carbon Tetrachloride	B 1699-168	1.25	1.25	ppb	U
563-58-6	1,1-Dichloropropene	B 1699-168	1.16	1.16	ppb	U
71-43-2	Benzene	B 1699-168	1.11	1.11	ppb	U
107-06-2	1,2-Dichloroethane	B 1699-168	1.02	1.02	ppb	U
79-01-6	Trichloroethene	B 1699-168	1.07	1.07	ppb	U
78-87-5	1,2-Dichloropropane	B 1699-168	0.89	0.89	ppb	U
74-95-3	Dibromomethane	B 1699-168	1.52	1.52	ppb	U
75-27-4	Bromodichloromethane	B 1699-168	0.93	0.93	ppb	U
110-75-8	2-Chloroethylvinylether	B 1699-168	4.90	4.90	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1699-168	1.00	1.00	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1699-168	10.5	10.5	ppb	U
108-88-3	Toluene	B 1699-168	1.07	1.07	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1699-168	0.95	0.95	ppb	U



03/09/2005

**Volatiles - EPA 8260B**

**Sample: 0503133-2**

Client Sample ID: SB-02

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 03/08/2005

Type: Grab

Collected: 03/04/2005 11:30

% Solid: 88.2%

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1699-168	0.98	0.98	ppb	U
127-18-4	Tetrachloroethene	B1699-168	2.02	2.02	ppb	U
142-28-9	1,3-Dichloropropane	B1699-168	1.38	1.38	ppb	U
591-78-6	2-Hexanone	B1699-168	10.1	10.1	ppb	U
124-48-1	Dibromochloromethane	B1699-168	1.20	1.20	ppb	U
106-93-4	1,2-Dibromoethane	B1699-168	0.98	0.98	ppb	U
108-90-7	Chlorobenzene	B1699-168	0.95	0.95	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1699-168	1.00	1.00	ppb	U
100-41-4	Ethylbenzene	B1699-168	0.54	0.54	ppb	U
108-38-3	m,p-xylene	B1699-168	1.88	1.88	ppb	U
95-47-6	o-xylene	B1699-168	0.95	0.95	ppb	U
100-42-5	Styrene	B1699-168	0.98	0.98	ppb	U
75-25-2	Bromoform	B1699-168	1.57	1.57	ppb	U
98-82-8	Isopropylbenzene	B1699-168	0.77	0.77	ppb	U
108-86-1	Bromobenzene	B1699-168	0.54	0.54	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1699-168	1.41	1.41	ppb	U
103-65-1	n-Propylbenzene	B1699-168	0.77	0.77	ppb	U
96-18-4	1,2,3-Trichloropropane	B1699-168	3.04	3.04	ppb	U
622-96-8	p-Ethyltoluene	B1699-168	0.64	0.64	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1699-168	1.29	1.29	ppb	U
95-49-8	2-Chlorotoluene	B1699-168	0.77	0.77	ppb	U
106-43-4	4-Chlorotoluene	B1699-168	0.79	0.79	ppb	U
98-06-6	tert-Butylbenzene	B1699-168	0.64	0.64	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1699-168	1.43	1.43	ppb	U
135-98-8	sec-Butylbenzene	B1699-168	0.73	0.73	ppb	U
99-87-6	4-Isopropyltoluene	B1699-168	0.93	0.93	ppb	U
541-73-1	1,3-Dichlorobenzene	B1699-168	0.79	0.79	ppb	U
106-46-7	1,4-Dichlorobenzene	B1699-168	0.79	0.79	ppb	U
95-50-1	1,2-Dichlorobenzene	B1699-168	0.89	0.89	ppb	U
105-05-5	p-Diethylbenzene	B1699-168	1.27	1.27	ppb	U
104-51-8	n-Butylbenzene	B1699-168	1.48	1.48	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1699-168	1.50	1.50	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1699-168	2.97	2.97	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1699-168	1.95	1.95	ppb	U



03/09/2005

Volatiles - EPA 8260B

Sample: 0503133-2

Client Sample ID: SB-02

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 03/08/2005

Type: Grab

Collected: 03/04/2005 11:30

% Solid: 88.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1699-168	0.73	0.73	ppb	U
91-20-3	Naphthalene	B1699-168	2.18	2.18	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1699-168	1.86	1.86	ppb	U
994-05-8	TAME	B1699-168	1.07	1.07	ppb	U
75-65-0	Tertiary butyl alcohol	B1699-168	26.1	26.1	ppb	U

\* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1699-168	97.0 %	( 74 - 121)	
4774-33-8	DIBROMOFLUOROMETHANE	B1699-168	98.7 %	( 80 - 120)	
2037-26-5	TOLUENE-D8	B1699-168	102.0 %	( 81 - 117)	



Case Narrative

EPA-8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

- Acetone
- 2-Butanone
- 4-Methyl-2-pentanone
- 2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.

Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.

Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.



## ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).
- Y - The concentration reported was detected below the lowest calibration standard concentration.
- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag indicates a system monitoring compound diluted out.

## INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

- E - Reported value is estimated because of the presence of interferences.

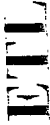
M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

## OTHER QUALIFIERS

- ND - Not Detected
- NA - Not Applicable
- NR - Not Required
- - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)
- x - Outside Expected Range





Environmental Testing Laboratories, Inc.  
 208 Route 109 • Farmingdale • New York 11735  
 631-249-1456 • Fax: 631-249-8344

# CHAIN OF CUSTODY DOCUMENT

6 0218

Project Name: [Blank]		Project Manager: [Blank]		Sampler (Signature): [Blank] (Print): [Blank]	
Project Address: [Blank]		Client: [Blank]		601602 BTXBTEX MTBE 6248260/8021 PCB/Pesticides RCRA Metals PH/Flash/React 418.1 - TRPH	
SAMPLE INFO		J/N: [Blank]		Rush by [Blank]	
Type: SS = Spill Spoon; G = Grab; C = Composite; B = Blank Matrix: L = Liquid; S = Soil; SL = Sludge; A* = Air; W = Wipe		*Air - Vol. (Liters) Include: Flow (CFM)		Total # Cont. [Blank]	
ID	Date	Time	Type	Matrix	Sample Location
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Relinquished by (Signature): [Blank]		Date		Printed Name & Agent: [Blank]	
Relinquished by (Signature): [Blank]		Time		Date	
Relinquished by (Signature): [Blank]		Date		Printed Name & Agent: [Blank]	
Relinquished by (Signature): [Blank]		Time		Date	
Comments & Special Instructions: [Blank]		Number & Type of Containers: [Blank]		Preservatives: [Blank]	
[Blank]		Temp: [Blank]		Printed Name & Agent: [Blank]	

**APPENDIX B**  
**LABORATORY REPORTS**

07/20/2005

**Laboratory Identifier: 0507178**

Received: 07/11/2005 16:39

Sampled by: Stven Walls

**Client: Advanced Cleanup Technologies**

115 Rome Street  
Farmingdale,  
NY 11735

**Project: 4071-BHNY**

**Manager: Caroline Cadalso**

Respectfully submitted,

*Patricia Werner-Els*  
Quality Assurance Officer

*(Ka)*

NYS Lab ID # 10969  
NJ Cert. # 73812  
CT Cert. # PH0645  
MA Cert. # NY061  
PA Cert. # 68-535  
NH Cert. # 252592-BA  
RI Cert. # 161

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07/20/2005

**Volatiles - EPA 8260B**

**Sample: 0507178-1**

Client Sample ID: SB-01A (0-2')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

Remarks: See Case Narrative

% Solid: 89.9%

Analyzed Date: 07/12/2005

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B 1817-2311	0.60	0.60	ppb	U
75-45-6	Chlorodifluoromethane	B 1817-2311	1.09	1.09	ppb	U
74-87-3	Chloromethane	B 1817-2311	1.84	1.84	ppb	U
75-01-4	Vinyl Chloride	B 1817-2311	1.09	1.09	ppb	U
74-83-9	Bromomethane	B 1817-2311	0.69	0.69	ppb	U
75-00-3	Chloroethane	B 1817-2311	1.02	1.02	ppb	U
75-69-4	Trichlorofluoromethane	B 1817-2311	0.93	0.93	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1817-2311	0.80	0.80	ppb	U
75-35-4	1,1-Dichloroethene	B 1817-2311	1.29	1.29	ppb	U
67-64-1	Acetone	B 1817-2311	12.1	12.1	ppb	U
75-15-0	Carbon disulfide	B 1817-2311	0.87	0.87	ppb	U
75-09-2	Methylene Chloride	B 1817-2311	1.15	1.15	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1817-2311	1.13	1.13	ppb	U
1634-04-4	Methyl t-butyl ether	B 1817-2311	1.84	1.84	ppb	U
75-34-3	1,1-Dichloroethane	B 1817-2311	0.91	0.91	ppb	U
590-20-7	2,2-Dichloropropane	B 1817-2311	0.75	0.75	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1817-2311	1.20	1.20	ppb	U
78-93-3	2-Butanone	B 1817-2311	10.6	10.6	ppb	U
74-97-5	Bromochloromethane	B 1817-2311	1.27	1.27	ppb	U
67-66-3	Chloroform	B 1817-2311	0.80	0.80	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1817-2311	1.07	1.07	ppb	U
56-23-5	Carbon Tetrachloride	B 1817-2311	1.22	1.22	ppb	U
563-58-6	1,1-Dichloropropene	B 1817-2311	1.13	1.13	ppb	U
71-43-2	Benzene	B 1817-2311	1.09	1.09	ppb	U
107-06-2	1,2-Dichloroethane	B 1817-2311	1.00	1.00	ppb	U
79-01-6	Trichloroethene	B 1817-2311	1.04	1.04	ppb	U
78-87-5	1,2-Dichloropropane	B 1817-2311	0.87	0.87	ppb	U
74-95-3	Dibromomethane	B 1817-2311	1.49	1.49	ppb	U
75-27-4	Bromodichloromethane	B 1817-2311	0.91	0.91	ppb	U
110-75-8	2-Chloroethylvinylether	B 1817-2311	4.80	4.80	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1817-2311	0.98	0.98	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1817-2311	10.3	10.3	ppb	U
108-88-3	Toluene	B 1817-2311	1.04	1.04	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1817-2311	0.93	0.93	ppb	U



07/20/2005

Volatiles - EPA 8260B

Sample: 0507178-1

Client Sample ID: SB-01A (0-2')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 89.9%

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1817-2311	0.95	0.95	ppb	U
127-18-4	Tetrachloroethene	B1817-2311	1.98	1.98	ppb	U
142-28-9	1,3-Dichloropropane	B1817-2311	1.35	1.35	ppb	U
591-78-6	2-Hexanone	B1817-2311	9.90	9.90	ppb	U
124-48-1	Dibromochloromethane	B1817-2311	1.18	1.18	ppb	U
106-93-4	1,2-Dibromoethane	B1817-2311	0.95	0.95	ppb	U
108-90-7	Chlorobenzene	B1817-2311	0.93	0.93	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1817-2311	0.98	0.98	ppb	U
100-41-4	Ethylbenzene	B1817-2311	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B1817-2311	1.84	1.84	ppb	U
95-47-6	o-xylene	B1817-2311	0.93	0.93	ppb	U
100-42-5	Styrene	B1817-2311	0.95	0.95	ppb	U
75-25-2	Bromoform	B1817-2311	1.53	1.53	ppb	U
98-82-8	Isopropylbenzene	B1817-2311	0.75	0.75	ppb	U
108-86-1	Bromobenzene	B1817-2311	0.53	0.53	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1817-2311	1.38	1.38	ppb	U
103-65-1	n-Propylbenzene	B1817-2311	0.75	0.75	ppb	U
96-18-4	1,2,3-Trichloropropane	B1817-2311	2.97	2.97	ppb	U
622-96-8	p-Ethyltoluene	B1817-2311	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1817-2311	1.27	1.27	ppb	U
95-49-8	2-Chlorotoluene	B1817-2311	0.75	0.75	ppb	U
106-43-4	4-Chlorotoluene	B1817-2311	0.78	0.78	ppb	U
98-06-6	tert-Butylbenzene	B1817-2311	0.62	0.62	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1817-2311	1.40	1.40	ppb	U
135-98-8	sec-Butylbenzene	B1817-2311	0.71	0.71	ppb	U
99-87-6	4-Isopropyltoluene	B1817-2311	0.91	0.91	ppb	U
541-73-1	1,3-Dichlorobenzene	B1817-2311	0.78	0.78	ppb	U
106-46-7	1,4-Dichlorobenzene	B1817-2311	0.78	0.78	ppb	U
95-50-1	1,2-Dichlorobenzene	B1817-2311	0.87	0.87	ppb	U
105-05-5	p-Diethylbenzene	B1817-2311	1.24	1.24	ppb	U
104-51-8	n-Butylbenzene	B1817-2311	1.44	1.44	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1817-2311	1.47	1.47	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1817-2311	2.91	2.91	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1817-2311	1.91	1.91	ppb	U



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

07/20/2005

## Volatiles - EPA 8260B

**Sample:** 0507178-1

Client Sample ID: SB-01A (0-2')

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

Type: Grab

Collected: 07/08/2005

% Solid: 89.9%

### Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1817-2311	0.71	0.71	ppb	U
91-20-3	Naphthalene	B1817-2311	2.13	2.13	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1817-2311	1.82	1.82	ppb	U
994-05-8	TAME	B1817-2311	1.04	1.04	ppb	U
75-65-0	Tertiary butyl alcohol	B1817-2311	25.5	25.5	ppb	U

\* Results are reported on a dry weight basis

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1817-2311	102.0 %	( 74 - 121)	
4774-33-8	DIBROMOFLUOROMETHANE	B1817-2311	101.0 %	( 80 - 120)	
2037-26-5	TOLUENE-D8	B1817-2311	104.0 %	( 81 - 117)	



07/20/2005

Volatiles - EPA 8260B

Sample: 0507178-2

Client Sample ID: SB-01A (8-10')

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

Type: Grab

Collected: 07/08/2005

% Solid: 91.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B 1817-2312	0.59	0.59	ppb	U
75-45-6	Chlorodifluoromethane	B 1817-2312	1.07	1.07	ppb	U
74-87-3	Chloromethane	B 1817-2312	1.82	1.82	ppb	U
75-01-4	Vinyl Chloride	B 1817-2312	1.07	1.07	ppb	U
74-83-9	Bromomethane	B 1817-2312	0.68	0.68	ppb	U
75-00-3	Chloroethane	B 1817-2312	1.01	1.01	ppb	U
75-69-4	Trichlorofluoromethane	B 1817-2312	0.92	0.92	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1817-2312	0.79	0.79	ppb	U
75-35-4	1,1-Dichloroethene	B 1817-2312	1.27	1.27	ppb	U
67-64-1	Acetone	B 1817-2312	11.9	11.9	ppb	U
75-15-0	Carbon disulfide	B 1817-2312	0.85	0.85	ppb	U
75-09-2	Methylene Chloride	B 1817-2312	1.14	1.14	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1817-2312	1.12	1.12	ppb	U
1634-04-4	Methyl t-butyl ether	B 1817-2312	1.82	1.82	ppb	U
75-34-3	1,1-Dichloroethane	B 1817-2312	0.90	0.90	ppb	U
590-20-7	2,2-Dichloropropane	B 1817-2312	0.74	0.74	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1817-2312	1.18	1.18	ppb	U
78-93-3	2-Butanone	B 1817-2312	10.4	10.4	ppb	U
74-97-5	Bromochloromethane	B 1817-2312	1.25	1.25	ppb	U
67-66-3	Chloroform	B 1817-2312	0.79	0.79	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1817-2312	1.05	1.05	ppb	U
56-23-5	Carbon Tetrachloride	B 1817-2312	1.20	1.20	ppb	U
563-58-6	1,1-Dichloropropene	B 1817-2312	1.12	1.12	ppb	U
71-43-2	Benzene	B 1817-2312	1.07	1.07	ppb	U
107-06-2	1,2-Dichloroethane	B 1817-2312	0.99	0.99	ppb	U
79-01-6	Trichloroethene	B 1817-2312	1.03	1.03	ppb	U
78-87-5	1,2-Dichloropropane	B 1817-2312	0.85	0.85	ppb	U
74-95-3	Dibromomethane	B 1817-2312	1.47	1.47	ppb	U
75-27-4	Bromodichloromethane	B 1817-2312	0.90	0.90	ppb	U
110-75-8	2-Chloroethylvinylether	B 1817-2312	4.73	4.73	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1817-2312	0.96	0.96	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1817-2312	10.1	10.1	ppb	U
108-88-3	Toluene	B 1817-2312	1.03	1.03	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1817-2312	0.92	0.92	ppb	U



07/20/2005

**Volatiles - EPA 8260B**

**Sample: 0507178-2**

Client Sample ID: SB-01A (8-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

Remarks: See Case Narrative

% Solid: 91.5%

Analyzed Date: 07/12/2005

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1817-2312	0.94	0.94	ppb	U
127-18-4	Tetrachloroethene	B 1817-2312	1.95	1.95	ppb	U
142-28-9	1,3-Dichloropropane	B 1817-2312	1.34	1.34	ppb	U
591-78-6	2-Hexanone	B 1817-2312	9.77	9.77	ppb	U
124-48-1	Dibromochloromethane	B 1817-2312	1.16	1.16	ppb	U
106-93-4	1,2-Dibromoethane	B 1817-2312	0.94	0.94	ppb	U
108-90-7	Chlorobenzene	B 1817-2312	0.92	0.92	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1817-2312	0.96	0.96	ppb	U
100-41-4	Ethylbenzene	B 1817-2312	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B 1817-2312	1.82	1.82	ppb	U
95-47-6	o-xylene	B 1817-2312	0.92	0.92	ppb	U
100-42-5	Styrene	B 1817-2312	0.94	0.94	ppb	U
75-25-2	Bromoform	B 1817-2312	1.51	1.51	ppb	U
98-82-8	Isopropylbenzene	B 1817-2312	0.74	0.74	ppb	U
108-86-1	Bromobenzene	B 1817-2312	0.53	0.53	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1817-2312	1.36	1.36	ppb	U
103-65-1	n-Propylbenzene	B 1817-2312	0.74	0.74	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1817-2312	2.93	2.93	ppb	U
622-96-8	p-Ethyltoluene	B 1817-2312	0.61	0.61	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1817-2312	1.25	1.25	ppb	U
95-49-8	2-Chlorotoluene	B 1817-2312	0.74	0.74	ppb	U
106-43-4	4-Chlorotoluene	B 1817-2312	0.77	0.77	ppb	U
98-06-6	tert-Butylbenzene	B 1817-2312	0.61	0.61	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1817-2312	1.38	1.38	ppb	U
135-98-8	sec-Butylbenzene	B 1817-2312	0.70	0.70	ppb	U
99-87-6	4-Isopropyltoluene	B 1817-2312	0.90	0.90	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1817-2312	0.77	0.77	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1817-2312	0.77	0.77	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1817-2312	0.85	0.85	ppb	U
105-05-5	p-Diethylbenzene	B 1817-2312	1.23	1.23	ppb	U
104-51-8	n-Butylbenzene	B 1817-2312	1.42	1.42	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1817-2312	1.45	1.45	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1817-2312	2.87	2.87	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1817-2312	1.88	1.88	ppb	U



07/20/2005

Volatiles - EPA 8260B

**Sample: 0507178-2**

Client Sample ID: SB-01A (8-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 91.5%

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1817-2312	0.70	0.70	ppb	U
91-20-3	Naphthalene	B1817-2312	2.10	2.10	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1817-2312	1.80	1.80	ppb	U
994-05-8	TAME	B1817-2312	1.03	1.03	ppb	U
75-65-0	Tertiary butyl alcohol	B1817-2312	25.2	25.2	ppb	U

\* Results are reported on a dry weight basis

**Surrogate Results**

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1817-2312	100.0 %	( 74 - 121)	
4774-33-8	DIBROMOFLUOROMETHANE	B1817-2312	101.0 %	( 80 - 120)	
2037-26-5	TOLUENE-D8	B1817-2312	104.0 %	( 81 - 117)	



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

07/20/2005

## Volatiles - EPA 8260B

**Sample:** 0507178-3

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

## Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1817-2313	0.60	0.60	ppb	U
75-45-6	Chlorodifluoromethane	B1817-2313	1.08	1.08	ppb	U
74-87-3	Chloromethane	B1817-2313	1.83	1.83	ppb	U
75-01-4	Vinyl Chloride	B1817-2313	1.08	1.08	ppb	U
74-83-9	Bromomethane	B1817-2313	0.69	0.69	ppb	U
75-00-3	Chloroethane	B1817-2313	1.02	1.02	ppb	U
75-69-4	Trichlorofluoromethane	B1817-2313	0.93	0.93	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1817-2313	0.80	0.80	ppb	U
75-35-4	1,1-Dichloroethene	B1817-2313	1.28	1.28	ppb	U
67-64-1	Acetone	B1817-2313	12.0	12.0	ppb	U
75-15-0	Carbon disulfide	B1817-2313	0.86	0.86	ppb	U
75-09-2	Methylene Chloride	B1817-2313	1.15	1.15	ppb	U
156-60-5	t-1,2-Dichloroethene	B1817-2313	1.13	1.13	ppb	U
1634-04-4	Methyl t-butyl ether	B1817-2313	1.83	1.83	ppb	U
75-34-3	1,1-Dichloroethane	B1817-2313	0.91	0.91	ppb	U
590-20-7	2,2-Dichloropropane	B1817-2313	0.75	0.75	ppb	U
156-59-2	c-1,2-Dichloroethene	B1817-2313	1.19	1.19	ppb	U
78-93-3	2-Butanone	B1817-2313	10.5	10.5	ppb	U
74-97-5	Bromochloromethane	B1817-2313	1.26	1.26	ppb	U
67-66-3	Chloroform	B1817-2313	0.80	0.80	ppb	U
71-55-6	1,1,1-Trichloroethane	B1817-2313	1.06	1.06	ppb	U
56-23-5	Carbon Tetrachloride	B1817-2313	1.22	1.22	ppb	U
563-58-6	1,1-Dichloropropene	B1817-2313	1.13	1.13	ppb	U
71-43-2	Benzene	B1817-2313	1.08	1.08	ppb	U
107-06-2	1,2-Dichloroethane	B1817-2313	0.99	0.99	ppb	U
79-01-6	Trichloroethene	B1817-2313	1.04	1.04	ppb	U
78-87-5	1,2-Dichloropropane	B1817-2313	0.86	0.86	ppb	U
74-95-3	Dibromomethane	B1817-2313	1.48	1.48	ppb	U
75-27-4	Bromodichloromethane	B1817-2313	0.91	0.91	ppb	U
110-75-8	2-Chloroethylvinylether	B1817-2313	4.77	4.77	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1817-2313	0.97	0.97	ppb	U
108-10-1	4-Methyl-2-pentanone	B1817-2313	10.2	10.2	ppb	U
108-88-3	Toluene	B1817-2313	1.04	1.04	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1817-2313	0.93	0.93	ppb	U



07/20/2005

**Volatiles - EPA 8260B**

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1817-2313	0.95	0.95	ppb	U
127-18-4	Tetrachloroethene	B 1817-2313	1.97	1.97	ppb	U
142-28-9	1,3-Dichloropropane	B 1817-2313	1.35	1.35	ppb	U
591-78-6	2-Hexanone	B 1817-2313	9.86	9.86	ppb	U
124-48-1	Dibromochloromethane	B 1817-2313	1.17	1.17	ppb	U
106-93-4	1,2-Dibromoethane	B 1817-2313	0.95	0.95	ppb	U
108-90-7	Chlorobenzene	B 1817-2313	0.93	0.93	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1817-2313	0.97	0.97	ppb	U
100-41-4	Ethylbenzene	B 1817-2313	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B 1817-2313	1.83	1.83	ppb	U
95-47-6	o-xylene	B 1817-2313	0.93	0.93	ppb	U
100-42-5	Styrene	B 1817-2313	0.95	0.95	ppb	U
75-25-2	Bromoform	B 1817-2313	1.52	1.52	ppb	U
98-82-8	Isopropylbenzene	B 1817-2313	0.75	0.75	ppb	U
108-86-1	Bromobenzene	B 1817-2313	0.53	0.53	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1817-2313	1.37	1.37	ppb	U
103-65-1	n-Propylbenzene	B 1817-2313	0.75	0.75	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1817-2313	2.96	2.96	ppb	U
622-96-8	p-Ethyltoluene	B 1817-2313	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1817-2313	1.26	1.26	ppb	U
95-49-8	2-Chlorotoluene	B 1817-2313	0.75	0.75	ppb	U
106-43-4	4-Chlorotoluene	B 1817-2313	0.77	0.77	ppb	U
98-06-6	tert-Butylbenzene	B 1817-2313	0.62	0.62	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1817-2313	1.39	1.39	ppb	U
135-98-8	sec-Butylbenzene	B 1817-2313	0.71	0.71	ppb	U
99-87-6	4-Isopropyltoluene	B 1817-2313	0.91	0.91	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1817-2313	0.77	0.77	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1817-2313	0.77	0.77	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1817-2313	0.86	0.86	ppb	U
105-05-5	p-Diethylbenzene	B 1817-2313	1.24	1.24	ppb	U
104-51-8	n-Butylbenzene	B 1817-2313	1.44	1.44	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1817-2313	1.46	1.46	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1817-2313	2.90	2.90	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1817-2313	1.90	1.90	ppb	U





# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

07/20/2005

## Volatiles - EPA 8260B

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10")

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

## Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1817-2313	0.71	0.71	ppb	U
91-20-3	Naphthalene	B1817-2313	2.12	2.12	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1817-2313	1.81	1.81	ppb	U
994-05-8	TAME	B1817-2313	1.04	1.04	ppb	U
75-65-0	Tertiary butyl alcohol	B1817-2313	25.4	25.4	ppb	U

\* Results are reported on a dry weight basis

## Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1817-2313	100.0 %	( 74 - 121)	
4774-33-8	DIBROMOFLUOROMETHANE	B1817-2313	103.0 %	( 80 - 120)	
2037-26-5	TOLUENE-D8	B1817-2313	103.0 %	( 81 - 117)	



07/20/2005

**Volatiles - EPA 8260B**

**Sample: 0507178-4**

Client Sample ID: SB-01A

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

Type: Grab

Collected: 07/08/2005

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	A1836-9072	0.36	0.36	ppb	U
75-45-6	Chlorodifluoromethane	A1836-9072	0.43	0.43	ppb	U
74-87-3	Chloromethane	A1836-9072	0.57	0.57	ppb	U
75-01-4	Vinyl Chloride	A1836-9072	0.38	0.38	ppb	U
74-83-9	Bromomethane	A1836-9072	0.56	0.56	ppb	U
75-00-3	Chloroethane	A1836-9072	0.55	0.55	ppb	U
75-69-4	Trichlorofluoromethane	A1836-9072	0.40	0.40	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	A1836-9072	1.06	1.06	ppb	U
75-35-4	1,1-Dichloroethene	A1836-9072	0.44	0.44	ppb	U
67-64-1	Acetone	A1836-9077	39.5	3210	ppb	
75-15-0	Carbon disulfide	A1836-9072	0.45	0.45	ppb	U
75-09-2	Methylene Chloride	A1836-9072	0.19	0.19	ppb	U
156-60-5	t-1,2-Dichloroethene	A1836-9072	0.40	0.40	ppb	U
1634-04-4	Methyl t-butyl ether	A1836-9072	0.41	0.41	ppb	U
75-34-3	1,1-Dichloroethane	A1836-9072	0.32	0.32	ppb	U
590-20-7	2,2-Dichloropropane	A1836-9072	0.66	0.66	ppb	U
156-59-2	c-1,2-Dichloroethene	A1836-9072	0.40	5.37	ppb	
78-93-3	2-Butanone	A1836-9072	0.87	0.87	ppb	U
74-97-5	Bromochloromethane	A1836-9072	0.35	0.35	ppb	U
67-66-3	Chloroform	A1836-9072	0.33	4.44	ppb	Y
71-55-6	1,1,1-Trichloroethane	A1836-9072	0.40	0.40	ppb	U
56-23-5	Carbon Tetrachloride	A1836-9072	0.34	0.34	ppb	U
563-58-6	1,1-Dichloropropene	A1836-9072	0.31	0.31	ppb	U
71-43-2	Benzene	A1836-9072	0.38	0.38	ppb	U
107-06-2	1,2-Dichloroethane	A1836-9072	0.20	0.20	ppb	U
79-01-6	Trichloroethene	A1836-9072	0.40	1.20	ppb	Y
78-87-5	1,2-Dichloropropane	A1836-9072	0.28	0.28	ppb	U
74-95-3	Dibromomethane	A1836-9072	0.24	0.24	ppb	U
75-27-4	Bromodichloromethane	A1836-9072	0.23	0.23	ppb	U
110-75-8	2-Chloroethylvinylether	A1836-9072	0.27	0.27	ppb	U
10061-01-5	c-1,3-Dichloropropene	A1836-9072	0.32	0.32	ppb	U
108-10-1	4-Methyl-2-pentanone	A1836-9072	0.74	0.74	ppb	U
108-88-3	Toluene	A1836-9072	0.36	0.36	ppb	U
10061-02-6	t-1,3-Dichloropropene	A1836-9072	0.30	0.30	ppb	U



# CIVIL ENVIRONMENTAL TESTING Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

07/20/2005

## Volatiles - EPA 8260B

**Sample: 0507178-4**

Client Sample ID: SB-01A

Matrix: Liquid

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

Type: Grab

Collected: 07/08/2005

### Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	A 1836-9072	0.28	0.28	ppb	U
127-18-4	Tetrachloroethene	A 1836-9077	16.0	285	ppb	
142-28-9	1,3-Dichloropropane	A 1836-9072	0.26	0.26	ppb	U
591-78-6	2-Hexanone	A 1836-9072	0.95	0.95	ppb	U
124-48-1	Dibromochloromethane	A 1836-9072	0.26	0.26	ppb	U
106-93-4	1,2-Dibromoethane	A 1836-9072	0.30	0.30	ppb	U
108-90-7	Chlorobenzene	A 1836-9072	0.32	0.32	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	A 1836-9072	0.31	0.31	ppb	U
100-41-4	Ethylbenzene	A 1836-9072	0.30	0.30	ppb	U
108-38-3	m,p-xylene	A 1836-9072	0.62	0.62	ppb	U
95-47-6	o-xylene	A 1836-9072	0.30	0.30	ppb	U
100-42-5	Styrene	A 1836-9072	0.35	0.35	ppb	U
75-25-2	Bromoform	A 1836-9072	0.22	0.22	ppb	U
98-82-8	Isopropylbenzene	A 1836-9072	0.29	0.29	ppb	U
108-86-1	Bromobenzene	A 1836-9072	0.32	0.32	ppb	U
79-34-5	1,1,1,2-Tetrachloroethane	A 1836-9072	0.21	0.21	ppb	U
103-65-1	n-Propylbenzene	A 1836-9072	0.32	0.32	ppb	U
96-18-4	1,2,3-Trichloropropane	A 1836-9072	0.42	0.42	ppb	U
622-96-8	p-Ethyltoluene	A 1836-9072	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	A 1836-9072	0.42	0.42	ppb	U
95-49-8	2-Chlorotoluene	A 1836-9072	0.41	0.41	ppb	U
106-43-4	4-Chlorotoluene	A 1836-9072	0.34	0.34	ppb	U
98-06-6	tert-Butylbenzene	A 1836-9072	0.32	0.32	ppb	U
95-63-6	1,2,4-Trimethylbenzene	A 1836-9072	0.29	0.29	ppb	U
135-98-8	sec-Butylbenzene	A 1836-9072	0.34	0.34	ppb	U
99-87-6	4-Isopropyltoluene	A 1836-9072	0.24	0.24	ppb	U
541-73-1	1,3-Dichlorobenzene	A 1836-9072	0.25	0.25	ppb	U
106-46-7	1,4-Dichlorobenzene	A 1836-9072	0.30	0.30	ppb	U
95-50-1	1,2-Dichlorobenzene	A 1836-9072	0.28	0.28	ppb	U
105-05-5	p-Diethylbenzene	A 1836-9072	0.31	0.31	ppb	U
104-51-8	n-Butylbenzene	A 1836-9072	0.29	0.29	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	A 1836-9072	0.34	0.34	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	A 1836-9072	0.42	0.42	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A 1836-9072	0.36	0.36	ppb	U



07/20/2005

**Volatiles - EPA 8260B**

**Sample: 0507178-4**

Client Sample ID: SB-01A

Collected: 07/08/2005

Matrix: Liquid

Type: Grab

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	A1836-9072	0.94	0.94	ppb	U
91-20-3	Naphthalene	A1836-9072	0.28	0.28	ppb	U
87-61-6	1,2,3-Trichlorobenzene	A1836-9072	0.28	0.28	ppb	U
994-05-8	TAME	A1836-9072	0.17	0.17	ppb	U
75-65-0	Tertiary butyl alcohol	A1836-9072	1.81	1.81	ppb	U

**Surrogate Results**

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	A1836-9072	99.1 %	( 86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	A1836-9072	98.8 %	( 86 - 118)	
2037-26-5	TOLUENE-D8	A1836-9072	100.0 %	( 88 - 110)	
460-00-4	4-BROMOFLUOROBENZENE	A1836-9077	99.1 %	( 86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	A1836-9077	98.9 %	( 86 - 118)	
2037-26-5	TOLUENE-D8	A1836-9077	101.0 %	( 88 - 110)	



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

07/20/2005

## TCLP Benzene By SW846 8260

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 07/12/2005

Preparation Date(s) : 07/11/2005

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

### Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A1836-9074	0.0038	0.0038	ppm	U

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	A1836-9074	99.8 %	( 86 - 115)	
4774-33-8	DIBROMOFLUOROMETHANE	A1836-9074	99.4 %	( 86 - 118)	
2037-26-5	TOLUENE-D8	A1836-9074	101.0 %	( 88 - 110)	



07/20/2005

## Semivolatile PAH Compounds - EPA Method 8270C

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10")

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/13/2005

Preparation Date(s) : 07/12/2005

### Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	C1427-7036	50.6	50.6	ppb	U
208-96-8	Acenaphthylene	C1427-7036	50.6	50.6	ppb	U
120-12-7	Anthracene	C1427-7036	48.4	48.4	ppb	U
56-55-3	Benzo(a)Anthracene	C1427-7036	51.7	51.7	ppb	U
50-32-8	Benzo(a)Pyrene	C1427-7036	47.3	47.3	ppb	U
205-99-2	Benzo(b)Fluoranthene	C1427-7036	45.1	45.1	ppb	U
191-24-2	Benzo(g,h,i)Perylene	C1427-7036	48.4	48.4	ppb	U
207-08-9	Benzo(k)Fluoranthene	C1427-7036	46.2	46.2	ppb	U
218-01-9	Chrysene	C1427-7036	48.4	48.4	ppb	U
53-70-3	Dibenzo(a,h)Anthracene	C1427-7036	49.5	49.5	ppb	U
206-44-0	Fluoranthene	C1427-7036	48.4	48.4	ppb	U
86-73-7	Fluorene	C1427-7036	52.8	52.8	ppb	U
193-39-5	Indeno(1,2,3-cd)pyrene	C1427-7036	48.4	48.4	ppb	U
91-20-3	Naphthalene	C1427-7036	48.4	48.4	ppb	U
85-01-8	Phenanthrene	C1427-7036	42.9	42.9	ppb	U
129-00-0	Pyrene	C1427-7036	49.5	49.5	ppb	U
91-57-6	2-Methylnaphthalene	C1427-7036	91.3	91.3	ppb	U

\* Results are reported on a dry weight basis

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
321-60-8	2-FLUOROBIPHENYL	C1427-7036	48.7 %	( 30 - 115)	
4165-60-0	NITROBENZENE-D5	C1427-7036	51.1 %	( 23 - 120)	
1718-51-0	TERPHENYL-D14	C1427-7036	63.9 %	( 18 - 137)	



# ENVIRONMENTAL TESTING LABORATORIES, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

07/20/2005

## Diesel Range Organics - Method 8015B

**Sample:** 0507178-3

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/14/2005

Preparation Date(s) : 07/14/2005

### Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
	Diesel Range Organics	H 338 -6	42.1	42.1	ppm	U

\* Results are reported on a dry weight basis

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
84-15-1	O-TERPHENYL	H338-6	68.6 %	( 30 - 150)	



07/20/2005

**Gasoline Range Organics - EPA 8015B**

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/13/2005

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
	Gasoline Range Organics	M 146 -13	0.48	11.5	ppm	

\* Results are reported on a dry weight basis





# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

07/20/2005

## PCB Aroclors by SW846 8082/EPA 608

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/14/2005

Preparation Date(s) : 07/14/2005

### Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
12674-11-2	PCB 1016	G 939 -15	2.25	2.25	ppb	U
11104-28-2	PCB 1221	G 939 -15	10.6	10.6	ppb	U
11141-16-5	PCB 1232	G 939 -15	2.35	2.35	ppb	U
53469-21-9	PCB 1242	G 939 -15	1.77	1.77	ppb	U
12672-29-6	PCB 1248	G 939 -15	3.97	3.97	ppb	U
11097-69-1	PCB 1254	G 939 -15	6.02	6.02	ppb	U
11096-82-5	PCB 1260	G 939 -15	6.91	6.91	ppb	U

\* Results are reported on a dry weight basis

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	G939-15	65.7 %	( 30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	G939-15	67.4 %	( 30 - 150)	



07/20/2005

TOX by Modified 8082

Sample: 0507178-3

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/14/2005

Preparation Date(s) : 07/14/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
	Total Organic Halides (TOX)	L 448 -21	0.028	0.028	mg/Kg	U

\* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	L448-21	82.8 %	( 30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	L448-21	72.9 %	( 30 - 150)	



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

07/20/2005

## Mercury by SW846 7470/7471/EPA 245.1

**Sample:** 0507178-3

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/13/2005

Preparation Date(s): 07/13/2005

### Analytical Results

Cas No	Analyte	MDL	Concentration*	Units	Q
7439-97-6	Mercury	0.0028	0.0028	mg/L	U

\* Results are reported on a dry weight basis



07/20/2005

RCRA Metals plus Cu, Ni, Zn by Method SW846 6010

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/13/2005

Preparation Date(s) : 07/13/2005 07/13/2005

**Analytical Results**

Cas No	Analyte	MDL	Concentration*	Units	Q
7440-38-2	Arsenic	0.35	1.33	ppm	
7440-39-3	Barium	0.041	24.1	ppm	
7440-43-9	Cadmium	0.031	0.031	ppm	U
7440-47-3	Chromium	0.16	4.76	ppm	
7440-50-8	Copper	0.30	11.9	ppm	
7439-92-1	Lead	0.17	8.01	ppm	
7440-02-0	Nickel	0.051	26.7	ppm	
7782-49-2	Selenium	0.44	0.44	ppm	U
7440-22-4	Silver	0.10	0.10	ppm	U
7440-66-6	Zinc	0.45	29.3	ppm	

\* Results are reported on a dry weight basis



# ENVIRONMENTAL TESTING LABORATORIES, INC.

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07/20/2005

## TCLP Metals - Cu, Ni, Zn by Method SW846 1311/6010

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/13/2005

Preparation Date(s) : 07/12/2005 07/11/2005

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-50-8	Copper	0.029	0.029	ppm	U
7440-02-0	Nickel	0.0050	<b>0.061</b>	ppm	
7440-66-6	Zinc	0.044	<b>0.41</b>	ppm	



07/20/2005

TCLP Mercury-Method SW846 1311/7470/7471

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/13/2005

Preparation Date(s) : 07/13/2005 07/11/2005

**Analytical Results**

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000014	0.000014	mg/L	U



# Environmental Testing Laboratories, Inc.

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07/20/2005

## TCLP Metals-Method SW846 1311/6010

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/13/2005

Preparation Date(s) : 07/12/2005 07/13/2005 07/11/2005

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-38-2	Arsenic	0.034	0.034	ppm	U
7440-39-3	Barium	0.0040	0.54	ppm	
7440-43-9	Cadmium	0.0030	0.0030	ppm	U
7440-47-3	Chromium	0.016	0.016	ppm	U
7439-92-1	Lead	0.017	0.021	ppm	
7782-49-2	Selenium	0.043	0.043	ppm	U
7440-22-4	Silver	0.010	0.010	ppm	U



07/20/2005

**% Moisture - SM 2540G**

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/12/2005 9:57:58 AM

**Analytical Results**

Cas No	Analyte	MDL	Result	Units	Q
	% Moisture	0	9.400	%	
	% Solid	0	90.600	%	





# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
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07/20/2005

## Total Petroleum Hydrocarbons - EPA 418.1

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Remarks:

Analyzed Date: 07/18/2005

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

### Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Total Rec.Petr. Hydrocarbons	3.42	23.3	ppm	

\* Results are reported on a dry weight basis



07/20/2005

Flash Point (Ignitability) - SW 846 1010

Sample: 0507178-3

Client Sample ID: SB-01A (0-10")

Matrix: Soil

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

Remarks:

Analyzed Date: 07/14/2005

Analytical Results

Cas No	Analyte	MDL	Result*	Units	Q
	Flash Point	0	>100	°C	

\* Results are reported on a dry weight basis



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

07/20/2005

Soil pH - SW 846 9045C

**Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Remarks:

Analyzed Date: 07/12/2005

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

## Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	pH over-aged	0	9.81	pH Units	
	Temperature	0	23.0	pH Units	



07/20/2005

**Reactivity -SW 846 9010****Sample: 0507178-3**

Client Sample ID: SB-01A (0-10')

Matrix: Soil

Remarks:

Analyzed Date: 07/18/2005

Type: Grab

Collected: 07/08/2005

% Solid: 90.6%

**Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
	Releasable Cyanide	0.10	0.10	mg/L	U
	Releasable H2 Sulfide	0.010	0.010	mg/L	U
	Reactivity	0	Negative	mg/L	

\* Results are reported on a dry weight basis



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

07/20/2005

## Case Narrative

### EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

- Acetone
- 2-Butanone
- 4-Methyl-2-pentanone
- 2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.

Acrolein/Acrylonitrile were calibrated at 50, 100, 150, 200 and 250 ppb levels.

Tert Butyl Alcohol (TBA) was calibrated at 50, 200, 500, 1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

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07/20/2005

## Case Narrative

### PCB ANALYSIS:

Results were calculated using Linear Regression initial calibration curve.



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
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07/20/2005

## ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).
- Y - The concentration reported was detected below the lowest calibration standard concentration.
- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag indicates a system monitoring compound diluted out.

## INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

- E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

## OTHER QUALIFIERS

- ND - Not Detected
- NA - Not Applicable
- NR - Not Required
- \* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)
- x - Outside Expected Range



0507178

Rec'd Date: 07/11/05 16:39

# CHAIN OF CUSTODY DOCUMENT

R 10890



031-243-1400 FAX: 031-243-0344

Project Name: Project Manager Code

Project Address: 4071-13KMY

Client: ACT JIN:  Rush by VORML

**SAMPLE INFO**  
 Type: SS = Split Spoon; G = Grab; C = Composite; B = Blank  
 Matrix: L = Liquid; S = Soil; SL = Sludge; A\* = Air; W = Wipe  
 'Air - Vol. (Liters)  
 include: Flow (CFM)

Sampler (Signature): Steven Walls (Print): Steven Walls

601602  
 BTX/BTEX  
 624/826078021  
 PCB/Pesticides  
 Per Prods./810M  
 PCRA Metals  
 418-1-TRPH  
 PH/Flash/React  
 624/826078021  
 PCB/Pesticides  
 Per Prods./810M  
 PCRA Metals  
 418-1-TRPH  
 PH/Flash/React

ID	Date	Time	Type	Matrix	Sample Location	Total # Cont.
1	7/8		G	S	SB-O1A (0-2')	2
2			G	S	SB-O1A (8-10')	2
3			G	S	SB-O1A (0-10')	2
4			G	L	SB-O1A	2
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Relinquished by (Signature): [Signature] Date: 7/11/05 Time: 16:40

Relinquished by (Signature): [Signature] Date: 7/11/05 Time: 16:40

Received by (Signature): [Signature] Date: 7/11/05 Time: 16:40

Received for Lab by (Signature): [Signature] Date: 7/11/05 Time: 16:40

Printed Name & Agent: [Name]

Printed Name & Agent: [Name]

Printed Name & Agent: [Name]

Printed Name & Agent: [Name]

QA/QC Type: Nickel

Number & Type of Containers: [Info]

Preservatives: [Info]

Temp: [Info]

Comments & Special Instructions: Act 100, Zinc, Nickel



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

09/19/2005

**Laboratory Identifier: 0509282**

Custody Document: R0907  
Received: 09/15/2005 15:25  
Sampled by: Paul Stawart

**Client: Advanced Cleanup Technologies**

115 Rome Street  
Farmingdale,  
NY 11735

**Project: 4071-BHNY**

**Manager: Paul Stawart**

Respectfully submitted,

*Patricia Werner-Els*

Quality Assurance Officer

NYS Lab ID # 10969  
NJ Cert. # 73812  
CT Cert. # PH0645  
MA Cert. # NY061  
PA Cert. # 68-535  
NH Cert. # 252592-BA  
RI Cert. # 161

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09/19/2005

## Volatiles - EPA 8260B

Sample: 0509282-1

Client Sample ID: EP-1

Matrix: Soil

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 91.6%

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

## Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B 1874-3362	0.59	0.59	ppb	U
75-45-6	Chlorodifluoromethane	B 1874-3362	1.07	1.07	ppb	U
74-87-3	Chloromethane	B 1874-3362	1.81	1.81	ppb	U
75-01-4	Vinyl Chloride	B 1874-3362	1.07	1.07	ppb	U
74-83-9	Bromomethane	B 1874-3362	0.68	0.68	ppb	U
75-00-3	Chloroethane	B 1874-3362	1.00	1.00	ppb	U
75-69-4	Trichlorofluoromethane	B 1874-3362	0.92	0.92	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1874-3362	0.78	0.78	ppb	U
75-35-4	1,1-Dichloroethene	B 1874-3362	1.26	1.26	ppb	U
67-64-1	Acetone	B 1874-3362	11.9	11.9	ppb	U
75-15-0	Carbon disulfide	B 1874-3362	0.85	0.85	ppb	U
75-09-2	Methylene Chloride	B 1874-3362	1.13	1.13	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1874-3362	1.11	1.11	ppb	U
1634-04-4	Methyl t-butyl ether	B 1874-3362	1.81	1.81	ppb	U
75-34-3	1,1-Dichloroethane	B 1874-3362	0.89	0.89	ppb	U
590-20-7	2,2-Dichloropropane	B 1874-3362	0.74	0.74	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1874-3362	1.18	1.18	ppb	U
78-93-3	2-Butanone	B 1874-3362	10.4	10.4	ppb	U
74-97-5	Bromochloromethane	B 1874-3362	1.24	1.24	ppb	U
67-66-3	Chloroform	B 1874-3362	0.78	0.78	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1874-3362	1.05	1.05	ppb	U
56-23-5	Carbon Tetrachloride	B 1874-3362	1.20	1.20	ppb	U
563-58-6	1,1-Dichloropropene	B 1874-3362	1.11	1.11	ppb	U
71-43-2	Benzene	B 1874-3362	1.07	1.07	ppb	U
107-06-2	1,2-Dichloroethane	B 1874-3362	0.98	0.98	ppb	U
79-01-6	Trichloroethene	B 1874-3362	1.02	1.02	ppb	U
78-87-5	1,2-Dichloropropane	B 1874-3362	0.85	0.85	ppb	U
74-95-3	Dibromomethane	B 1874-3362	1.46	1.46	ppb	U
75-27-4	Bromodichloromethane	B 1874-3362	0.89	0.89	ppb	U
110-75-8	2-Chloroethylvinylether	B 1874-3362	4.71	4.71	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1874-3362	0.96	0.96	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1874-3362	10.1	10.1	ppb	U
108-88-3	Toluene	B 1874-3362	1.02	1.02	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1874-3362	0.92	0.92	ppb	U



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

09/19/2005

## Volatiles - EPA 8260B

Sample: 0509282-1

Client Sample ID: EP-1

Matrix: Soil

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 91.6%

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

## Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1874-3362	0.94	0.94	ppb	U
127-18-4	Tetrachloroethene	B 1874-3362	1.94	1.94	ppb	U
142-28-9	1,3-Dichloropropane	B 1874-3362	1.33	1.33	ppb	U
591-78-6	2-Hexanone	B 1874-3362	9.72	9.72	ppb	U
124-48-1	Dibromochloromethane	B 1874-3362	1.16	1.16	ppb	U
106-93-4	1,2-Dibromoethane	B 1874-3362	0.94	0.94	ppb	U
108-90-7	Chlorobenzene	B 1874-3362	0.92	0.92	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1874-3362	0.96	0.96	ppb	U
100-41-4	Ethylbenzene	B 1874-3362	0.52	0.52	ppb	U
108-38-3	m,p-xylene	B 1874-3362	1.81	1.81	ppb	U
95-47-6	o-xylene	B 1874-3362	0.92	0.92	ppb	U
100-42-5	Styrene	B 1874-3362	0.94	0.94	ppb	U
75-25-2	Bromoform	B 1874-3362	1.50	1.50	ppb	U
98-82-8	Isopropylbenzene	B 1874-3362	0.74	0.74	ppb	U
108-86-1	Bromobenzene	B 1874-3362	0.52	0.52	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1874-3362	1.35	1.35	ppb	U
103-65-1	n-Propylbenzene	B 1874-3362	0.74	0.74	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1874-3362	2.92	2.92	ppb	U
622-96-8	p-Ethyltoluene	B 1874-3362	0.61	0.61	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1874-3362	1.24	1.24	ppb	U
95-49-8	2-Chlorotoluene	B 1874-3362	0.74	0.74	ppb	U
106-43-4	4-Chlorotoluene	B 1874-3362	0.76	0.76	ppb	U
98-06-6	tert-Butylbenzene	B 1874-3362	0.61	0.61	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1874-3362	1.37	1.37	ppb	U
135-98-8	sec-Butylbenzene	B 1874-3362	0.70	0.70	ppb	U
99-87-6	4-Isopropyltoluene	B 1874-3362	0.89	0.89	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1874-3362	0.76	0.76	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1874-3362	0.76	0.76	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1874-3362	0.85	0.85	ppb	U
105-05-5	p-Diethylbenzene	B 1874-3362	1.22	1.22	ppb	U
104-51-8	n-Butylbenzene	B 1874-3362	1.42	1.42	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1874-3362	1.44	1.44	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1874-3362	2.86	2.86	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1874-3362	1.87	1.87	ppb	U



09/19/2005

**Volatiles - EPA 8260B**

**Sample: 0509282-1**

Client Sample ID: EP-1

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 91.6%

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1874-3362	0.70	0.70	ppb	U
91-20-3	Naphthalene	B1874-3362	2.09	2.09	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1874-3362	1.79	1.79	ppb	U
994-05-8	TAME	B1874-3362	1.02	1.02	ppb	U
75-65-0	Tertiary butyl alcohol	B1874-3362	25.1	25.1	ppb	U
107-13-1	Acrylonitrile	B1874-3362	8.81	8.81	ppb	U

\* Results are reported on a dry weight basis

**Surrogate Results**

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1874-3362	102.0 %	( 74 - 121 )	
4774-33-8	DIBROMOFLUOROMETHANE	B1874-3362	103.0 %	( 80 - 120 )	
2037-26-5	TOLUENE-D8	B1874-3362	100.0 %	( 81 - 117 )	



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

09/19/2005

## Volatiles - EPA 8260B

Sample: **0509282-2**

Client Sample ID: EP-2

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 90.6%

## Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1874-3363	0.60	0.60	ppb	U
75-45-6	Chlorodifluoromethane	B1874-3363	1.08	1.08	ppb	U
74-87-3	Chloromethane	B1874-3363	1.83	1.83	ppb	U
75-01-4	Vinyl Chloride	B1874-3363	1.08	1.08	ppb	U
74-83-9	Bromomethane	B1874-3363	0.69	0.69	ppb	U
75-00-3	Chloroethane	B1874-3363	1.02	1.02	ppb	U
75-69-4	Trichlorofluoromethane	B1874-3363	0.93	0.93	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1874-3363	0.80	0.80	ppb	U
75-35-4	1,1-Dichloroethene	B1874-3363	1.28	1.28	ppb	U
67-64-1	Acetone	B1874-3363	12.0	21.6	ppb	Y
75-15-0	Carbon disulfide	B1874-3363	0.86	0.86	ppb	U
75-09-2	Methylene Chloride	B1874-3363	1.15	1.15	ppb	U
156-60-5	t-1,2-Dichloroethene	B1874-3363	1.13	1.13	ppb	U
1634-04-4	Methyl t-butyl ether	B1874-3363	1.83	1.83	ppb	U
75-34-3	1,1-Dichloroethane	B1874-3363	0.91	0.91	ppb	U
590-20-7	2,2-Dichloropropane	B1874-3363	0.75	0.75	ppb	U
156-59-2	c-1,2-Dichloroethene	B1874-3363	1.19	1.19	ppb	U
78-93-3	2-Butanone	B1874-3363	10.5	10.5	ppb	U
74-97-5	Bromochloromethane	B1874-3363	1.26	1.26	ppb	U
67-66-3	Chloroform	B1874-3363	0.80	0.80	ppb	U
71-55-6	1,1,1-Trichloroethane	B1874-3363	1.06	1.06	ppb	U
56-23-5	Carbon Tetrachloride	B1874-3363	1.22	1.22	ppb	U
563-58-6	1,1-Dichloropropene	B1874-3363	1.13	1.13	ppb	U
71-43-2	Benzene	B1874-3363	1.08	1.08	ppb	U
107-06-2	1,2-Dichloroethane	B1874-3363	0.99	0.99	ppb	U
79-01-6	Trichloroethene	B1874-3363	1.04	1.04	ppb	U
78-87-5	1,2-Dichloropropane	B1874-3363	0.86	0.86	ppb	U
74-95-3	Dibromomethane	B1874-3363	1.48	1.48	ppb	U
75-27-4	Bromodichloromethane	B1874-3363	0.91	0.91	ppb	U
110-75-8	2-Chloroethylvinylether	B1874-3363	4.77	4.77	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1874-3363	0.97	0.97	ppb	U
108-10-1	4-Methyl-2-pentanone	B1874-3363	10.2	10.2	ppb	U
108-88-3	Toluene	B1874-3363	1.04	1.04	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1874-3363	0.93	0.93	ppb	U



09/19/2005

**Volatiles - EPA 8260B**

**Sample: 0509282-2**

Client Sample ID: EP-2

Matrix: Soil

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 90.6%

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1874-3363	0.95	0.95	ppb	U
127-18-4	Tetrachloroethene	B1874-3363	1.97	1.97	ppb	U
142-28-9	1,3-Dichloropropane	B1874-3363	1.35	1.35	ppb	U
591-78-6	2-Hexanone	B1874-3363	9.86	9.86	ppb	U
124-48-1	Dibromochloromethane	B1874-3363	1.17	1.17	ppb	U
106-93-4	1,2-Dibromoethane	B1874-3363	0.95	0.95	ppb	U
108-90-7	Chlorobenzene	B1874-3363	0.93	0.93	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1874-3363	0.97	0.97	ppb	U
100-41-4	Ethylbenzene	B1874-3363	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B1874-3363	1.83	1.83	ppb	U
95-47-6	o-xylene	B1874-3363	0.93	0.93	ppb	U
100-42-5	Styrene	B1874-3363	0.95	0.95	ppb	U
75-25-2	Bromoform	B1874-3363	1.52	1.52	ppb	U
98-82-8	Isopropylbenzene	B1874-3363	0.75	0.75	ppb	U
108-86-1	Bromobenzene	B1874-3363	0.53	0.53	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1874-3363	1.37	1.37	ppb	U
103-65-1	n-Propylbenzene	B1874-3363	0.75	0.75	ppb	U
96-18-4	1,2,3-Trichloropropane	B1874-3363	2.96	2.96	ppb	U
622-96-8	p-Ethyltoluene	B1874-3363	0.62	0.62	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1874-3363	1.26	1.26	ppb	U
95-49-8	2-Chlorotoluene	B1874-3363	0.75	0.75	ppb	U
106-43-4	4-Chlorotoluene	B1874-3363	0.77	0.77	ppb	U
98-06-6	tert-Butylbenzene	B1874-3363	0.62	0.62	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1874-3363	1.39	1.39	ppb	U
135-98-8	sec-Butylbenzene	B1874-3363	0.71	0.71	ppb	U
99-87-6	4-Isopropyltoluene	B1874-3363	0.91	0.91	ppb	U
541-73-1	1,3-Dichlorobenzene	B1874-3363	0.77	0.77	ppb	U
106-46-7	1,4-Dichlorobenzene	B1874-3363	0.77	0.77	ppb	U
95-50-1	1,2-Dichlorobenzene	B1874-3363	0.86	0.86	ppb	U
105-05-5	p-Diethylbenzene	B1874-3363	1.24	1.24	ppb	U
104-51-8	n-Butylbenzene	B1874-3363	1.44	1.44	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1874-3363	1.46	1.46	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1874-3363	2.90	2.90	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1874-3363	1.90	1.90	ppb	U



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

09/19/2005

## Volatiles - EPA 8260B

**Sample: 0509282-2**

Client Sample ID: EP-2

Matrix: Soil

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 90.6%

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

## Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1874-3363	0.71	0.71	ppb	U
91-20-3	Naphthalene	B1874-3363	2.12	2.12	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1874-3363	1.81	1.81	ppb	U
994-05-8	TAME	B1874-3363	1.04	1.04	ppb	U
75-65-0	Tertiary butyl alcohol	B1874-3363	25.4	25.4	ppb	U
107-13-1	Acrylonitrile	B1874-3363	8.93	8.93	ppb	U

\* Results are reported on a dry weight basis

## Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1874-3363	97.7 %	( 74 - 121 )	
4774-33-8	DIBROMOFLUOROMETHANE	B1874-3363	105.0 %	( 80 - 120 )	
2037-26-5	TOLUENE-D8	B1874-3363	99.5 %	( 81 - 117 )	



09/19/2005

**Volatiles - EPA 8260B**

**Sample: 0509282-3**

Client Sample ID: EP-3

Matrix: Soil

Type: Grab

Collected: 09/13/2005 14:00

Remarks: See Case Narrative

% Solid: 98.4%

Analyzed Date: 09/16/2005

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1874-3364	0.55	0.55	ppb	U
75-45-6	Chlorodifluoromethane	B1874-3364	0.99	0.99	ppb	U
74-87-3	Chloromethane	B1874-3364	1.68	1.68	ppb	U
75-01-4	Vinyl Chloride	B1874-3364	0.99	0.99	ppb	U
74-83-9	Bromomethane	B1874-3364	0.63	0.63	ppb	U
75-00-3	Chloroethane	B1874-3364	0.93	0.93	ppb	U
75-69-4	Trichlorofluoromethane	B1874-3364	0.85	0.85	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1874-3364	0.73	0.73	ppb	U
75-35-4	1,1-Dichloroethene	B1874-3364	1.18	1.18	ppb	U
67-64-1	Acetone	B1874-3364	11.1	21.7	ppb	Y
75-15-0	Carbon disulfide	B1874-3364	0.79	0.79	ppb	U
75-09-2	Methylene Chloride	B1874-3364	1.06	1.06	ppb	U
156-60-5	t-1,2-Dichloroethene	B1874-3364	1.04	1.04	ppb	U
1634-04-4	Methyl t-butyl ether	B1874-3364	1.68	1.68	ppb	U
75-34-3	1,1-Dichloroethane	B1874-3364	0.83	0.83	ppb	U
590-20-7	2,2-Dichloropropane	B1874-3364	0.69	0.69	ppb	U
156-59-2	c-1,2-Dichloroethene	B1874-3364	1.10	1.10	ppb	U
78-93-3	2-Butanone	B1874-3364	9.68	9.68	ppb	U
74-97-5	Bromochloromethane	B1874-3364	1.16	1.16	ppb	U
67-66-3	Chloroform	B1874-3364	0.73	0.73	ppb	U
71-55-6	1,1,1-Trichloroethane	B1874-3364	0.97	0.97	ppb	U
56-23-5	Carbon Tetrachloride	B1874-3364	1.12	1.12	ppb	U
563-58-6	1,1-Dichloropropene	B1874-3364	1.04	1.04	ppb	U
71-43-2	Benzene	B1874-3364	0.99	0.99	ppb	U
107-06-2	1,2-Dichloroethane	B1874-3364	0.91	0.91	ppb	U
79-01-6	Trichloroethene	B1874-3364	0.95	0.95	ppb	U
78-87-5	1,2-Dichloropropane	B1874-3364	0.79	0.79	ppb	U
74-95-3	Dibromomethane	B1874-3364	1.36	1.36	ppb	U
75-27-4	Bromodichloromethane	B1874-3364	0.83	0.83	ppb	U
110-75-8	2-Chloroethylvinylether	B1874-3364	4.38	4.38	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1874-3364	0.89	0.89	ppb	U
108-10-1	4-Methyl-2-pentanone	B1874-3364	9.40	9.40	ppb	U
108-88-3	Toluene	B1874-3364	0.95	0.95	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1874-3364	0.85	0.85	ppb	U





# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

09/19/2005

## Volatiles - EPA 8260B

Sample: **0509282-3**

Client Sample ID: EP-3

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 98.4%

## Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1874-3364	0.87	0.87	ppb	U
127-18-4	Tetrachloroethene	B1874-3364	1.81	1.81	ppb	U
142-28-9	1,3-Dichloropropane	B1874-3364	1.24	1.24	ppb	U
591-78-6	2-Hexanone	B1874-3364	9.05	9.05	ppb	U
124-48-1	Dibromochloromethane	B1874-3364	1.08	1.08	ppb	U
106-93-4	1,2-Dibromoethane	B1874-3364	0.87	0.87	ppb	U
108-90-7	Chlorobenzene	B1874-3364	0.85	0.85	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1874-3364	0.89	0.89	ppb	U
100-41-4	Ethylbenzene	B1874-3364	0.49	0.49	ppb	U
108-38-3	m,p-xylene	B1874-3364	1.68	1.68	ppb	U
95-47-6	o-xylene	B1874-3364	0.85	0.85	ppb	U
100-42-5	Styrene	B1874-3364	0.87	0.87	ppb	U
75-25-2	Bromoform	B1874-3364	1.40	1.40	ppb	U
98-82-8	Isopropylbenzene	B1874-3364	0.69	0.69	ppb	U
108-86-1	Bromobenzene	B1874-3364	0.49	0.49	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1874-3364	1.26	1.26	ppb	U
103-65-1	n-Propylbenzene	B1874-3364	0.69	0.69	ppb	U
96-18-4	1,2,3-Trichloropropane	B1874-3364	2.72	2.72	ppb	U
622-96-8	p-Ethyltoluene	B1874-3364	0.57	0.57	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1874-3364	1.16	1.16	ppb	U
95-49-8	2-Chlorotoluene	B1874-3364	0.69	0.69	ppb	U
106-43-4	4-Chlorotoluene	B1874-3364	0.71	0.71	ppb	U
98-06-6	tert-Butylbenzene	B1874-3364	0.57	0.57	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1874-3364	1.28	1.28	ppb	U
135-98-8	sec-Butylbenzene	B1874-3364	0.65	0.65	ppb	U
99-87-6	4-Isopropyltoluene	B1874-3364	0.83	0.83	ppb	U
541-73-1	1,3-Dichlorobenzene	B1874-3364	0.71	0.71	ppb	U
106-46-7	1,4-Dichlorobenzene	B1874-3364	0.71	0.71	ppb	U
95-50-1	1,2-Dichlorobenzene	B1874-3364	0.79	0.79	ppb	U
105-05-5	p-Diethylbenzene	B1874-3364	1.14	1.14	ppb	U
104-51-8	n-Butylbenzene	B1874-3364	1.32	1.32	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1874-3364	1.34	1.34	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1874-3364	2.66	2.66	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1874-3364	1.75	1.75	ppb	U



09/19/2005

Volatiles - EPA 8260B

Sample: 0509282-3

Client Sample ID: EP-3

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 98.4%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1874-3364	0.65	0.65	ppb	U
91-20-3	Naphthalene	B1874-3364	1.95	1.95	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1874-3364	1.66	1.66	ppb	U
994-05-8	TAME	B1874-3364	0.95	0.95	ppb	U
75-65-0	Tertiary butyl alcohol	B1874-3364	23.3	23.3	ppb	U
107-13-1	Acrylonitrile	B1874-3364	8.20	8.20	ppb	U

\* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1874-3364	102.0 %	( 74 - 121 )	
4774-33-8	DIBROMOFLUOROMETHANE	B1874-3364	104.0 %	( 80 - 120 )	
2037-26-5	TOLUENE-D8	B1874-3364	99.2 %	( 81 - 117 )	



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

09/19/2005

## Volatiles - EPA 8260B

**Sample: 0509282-4**

Client Sample ID: EP-4

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 91.5%

## Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B 1874-3365	0.59	0.59	ppb	U
75-45-6	Chlorodifluoromethane	B 1874-3365	1.07	1.07	ppb	U
74-87-3	Chloromethane	B 1874-3365	1.82	1.82	ppb	U
75-01-4	Vinyl Chloride	B 1874-3365	1.07	1.07	ppb	U
74-83-9	Bromomethane	B 1874-3365	0.68	0.68	ppb	U
75-00-3	Chloroethane	B 1874-3365	1.01	1.01	ppb	U
75-69-4	Trichlorofluoromethane	B 1874-3365	0.92	0.92	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B 1874-3365	0.79	0.79	ppb	U
75-35-4	1,1-Dichloroethene	B 1874-3365	1.27	1.27	ppb	U
67-64-1	Acetone	B 1874-3365	11.9	18.2	ppb	Y
75-15-0	Carbon disulfide	B 1874-3365	0.85	0.85	ppb	U
75-09-2	Methylene Chloride	B 1874-3365	1.14	1.14	ppb	U
156-60-5	t-1,2-Dichloroethene	B 1874-3365	1.12	1.12	ppb	U
1634-04-4	Methyl t-butyl ether	B 1874-3365	1.82	1.82	ppb	U
75-34-3	1,1-Dichloroethane	B 1874-3365	0.90	0.90	ppb	U
590-20-7	2,2-Dichloropropane	B 1874-3365	0.74	0.74	ppb	U
156-59-2	c-1,2-Dichloroethene	B 1874-3365	1.18	1.18	ppb	U
78-93-3	2-Butanone	B 1874-3365	10.4	10.4	ppb	U
74-97-5	Bromochloromethane	B 1874-3365	1.25	1.25	ppb	U
67-66-3	Chloroform	B 1874-3365	0.79	0.79	ppb	U
71-55-6	1,1,1-Trichloroethane	B 1874-3365	1.05	1.05	ppb	U
56-23-5	Carbon Tetrachloride	B 1874-3365	1.20	1.20	ppb	U
563-58-6	1,1-Dichloropropene	B 1874-3365	1.12	1.12	ppb	U
71-43-2	Benzene	B 1874-3365	1.07	1.07	ppb	U
107-06-2	1,2-Dichloroethane	B 1874-3365	0.99	0.99	ppb	U
79-01-6	Trichloroethene	B 1874-3365	1.03	1.03	ppb	U
78-87-5	1,2-Dichloropropane	B 1874-3365	0.85	0.85	ppb	U
74-95-3	Dibromomethane	B 1874-3365	1.47	1.47	ppb	U
75-27-4	Bromodichloromethane	B 1874-3365	0.90	0.90	ppb	U
110-75-8	2-Chloroethylvinylether	B 1874-3365	4.73	4.73	ppb	U
10061-01-5	c-1,3-Dichloropropene	B 1874-3365	0.96	0.96	ppb	U
108-10-1	4-Methyl-2-pentanone	B 1874-3365	10.1	10.1	ppb	U
108-88-3	Toluene	B 1874-3365	1.03	1.03	ppb	U
10061-02-6	t-1,3-Dichloropropene	B 1874-3365	0.92	0.92	ppb	U



09/19/2005

**Volatiles - EPA 8260B**

**Sample: 0509282-4**

Client Sample ID: EP-4

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 91.5%

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1874-3365	0.94	0.94	ppb	U
127-18-4	Tetrachloroethene	B1874-3365	1.95	1.95	ppb	U
142-28-9	1,3-Dichloropropane	B1874-3365	1.34	1.34	ppb	U
591-78-6	2-Hexanone	B1874-3365	9.77	9.77	ppb	U
124-48-1	Dibromochloromethane	B1874-3365	1.16	1.16	ppb	U
106-93-4	1,2-Dibromoethane	B1874-3365	0.94	0.94	ppb	U
108-90-7	Chlorobenzene	B1874-3365	0.92	0.92	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1874-3365	0.96	0.96	ppb	U
100-41-4	Ethylbenzene	B1874-3365	0.53	0.53	ppb	U
108-38-3	m,p-xylene	B1874-3365	1.82	1.82	ppb	U
95-47-6	o-xylene	B1874-3365	0.92	0.92	ppb	U
100-42-5	Styrene	B1874-3365	0.94	0.94	ppb	U
75-25-2	Bromoform	B1874-3365	1.51	1.51	ppb	U
98-82-8	Isopropylbenzene	B1874-3365	0.74	0.74	ppb	U
108-86-1	Bromobenzene	B1874-3365	0.53	0.53	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1874-3365	1.36	1.36	ppb	U
103-65-1	n-Propylbenzene	B1874-3365	0.74	0.74	ppb	U
96-18-4	1,2,3-Trichloropropane	B1874-3365	2.93	2.93	ppb	U
622-96-8	p-Ethyltoluene	B1874-3365	0.61	0.61	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1874-3365	1.25	1.25	ppb	U
95-49-8	2-Chlorotoluene	B1874-3365	0.74	0.74	ppb	U
106-43-4	4-Chlorotoluene	B1874-3365	0.77	0.77	ppb	U
98-06-6	tert-Butylbenzene	B1874-3365	0.61	0.61	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1874-3365	1.38	1.38	ppb	U
135-98-8	sec-Butylbenzene	B1874-3365	0.70	0.70	ppb	U
99-87-6	4-Isopropyltoluene	B1874-3365	0.90	0.90	ppb	U
541-73-1	1,3-Dichlorobenzene	B1874-3365	0.77	0.77	ppb	U
106-46-7	1,4-Dichlorobenzene	B1874-3365	0.77	0.77	ppb	U
95-50-1	1,2-Dichlorobenzene	B1874-3365	0.85	0.85	ppb	U
105-05-5	p-Diethylbenzene	B1874-3365	1.23	1.23	ppb	U
104-51-8	n-Butylbenzene	B1874-3365	1.42	1.42	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1874-3365	1.45	1.45	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1874-3365	2.87	2.87	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1874-3365	1.88	1.88	ppb	U



# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

09/19/2005

## Volatiles - EPA 8260B

**Sample: 0509282-4**

Client Sample ID: EP-4

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 91.5%

## Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1874-3365	0.70	0.70	ppb	U
91-20-3	Naphthalene	B1874-3365	2.10	2.10	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1874-3365	1.80	1.80	ppb	U
994-05-8	TAME	B1874-3365	1.03	1.03	ppb	U
75-65-0	Tertiary butyl alcohol	B1874-3365	25.2	25.2	ppb	U
107-13-1	Acrylonitrile	B1874-3365	8.85	8.85	ppb	U

\* Results are reported on a dry weight basis

## Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1874-3365	102.0 %	( 74 - 121 )	
4774-33-8	DIBROMOFLUOROMETHANE	B1874-3365	103.0 %	( 80 - 120 )	
2037-26-5	TOLUENE-D8	B1874-3365	99.8 %	( 81 - 117 )	



09/19/2005

**Volatiles - EPA 8260B**

**Sample: 0509282-5**

Client Sample ID: EP-5

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 92.2%

**Analytical Results**

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1874-3366	0.59	0.59	ppb	U
75-45-6	Chlorodifluoromethane	B1874-3366	1.06	1.06	ppb	U
74-87-3	Chloromethane	B1874-3366	1.80	1.80	ppb	U
75-01-4	Vinyl Chloride	B1874-3366	1.06	1.06	ppb	U
74-83-9	Bromomethane	B1874-3366	0.67	0.67	ppb	U
75-00-3	Chloroethane	B1874-3366	1.00	1.00	ppb	U
75-69-4	Trichlorofluoromethane	B1874-3366	0.91	0.91	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1874-3366	0.78	0.78	ppb	U
75-35-4	1,1-Dichloroethene	B1874-3366	1.26	1.26	ppb	U
67-64-1	Acetone	B1874-3366	11.8	35.7	ppb	Y
75-15-0	Carbon disulfide	B1874-3366	0.85	0.85	ppb	U
75-09-2	Methylene Chloride	B1874-3366	1.13	1.13	ppb	U
156-60-5	t-1,2-Dichloroethene	B1874-3366	1.11	1.11	ppb	U
1634-04-4	Methyl t-butyl ether	B1874-3366	1.80	1.80	ppb	U
75-34-3	1,1-Dichloroethane	B1874-3366	0.89	0.89	ppb	U
590-20-7	2,2-Dichloropropane	B1874-3366	0.74	0.74	ppb	U
156-59-2	c-1,2-Dichloroethene	B1874-3366	1.17	1.17	ppb	U
78-93-3	2-Butanone	B1874-3366	10.4	10.4	ppb	U
74-97-5	Bromochloromethane	B1874-3366	1.24	1.24	ppb	U
67-66-3	Chloroform	B1874-3366	0.78	0.78	ppb	U
71-55-6	1,1,1-Trichloroethane	B1874-3366	1.04	1.04	ppb	U
56-23-5	Carbon Tetrachloride	B1874-3366	1.19	1.19	ppb	U
563-58-6	1,1-Dichloropropene	B1874-3366	1.11	1.11	ppb	U
71-43-2	Benzene	B1874-3366	1.06	1.06	ppb	U
107-06-2	1,2-Dichloroethane	B1874-3366	0.98	0.98	ppb	U
79-01-6	Trichloroethene	B1874-3366	1.02	1.02	ppb	U
78-87-5	1,2-Dichloropropane	B1874-3366	0.85	0.85	ppb	U
74-95-3	Dibromomethane	B1874-3366	1.45	1.45	ppb	U
75-27-4	Bromodichloromethane	B1874-3366	0.89	0.89	ppb	U
110-75-8	2-Chloroethylvinylether	B1874-3366	4.69	4.69	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1874-3366	0.95	0.95	ppb	U
108-10-1	4-Methyl-2-pentanone	B1874-3366	10.0	10.0	ppb	U
108-88-3	Toluene	B1874-3366	1.02	1.02	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1874-3366	0.91	0.91	ppb	U



# ENVIRONMENTAL TESTING LABORATORIES, INC.

208 Route 109, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

09/19/2005

## Volatiles - EPA 8260B

Sample: 0509282-5

Client Sample ID: EP-5

Matrix: Soil

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 92.2%

## Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B 1874-3366	0.93	0.93	ppb	U
127-18-4	Tetrachloroethene	B 1874-3366	1.93	1.93	ppb	U
142-28-9	1,3-Dichloropropane	B 1874-3366	1.32	1.32	ppb	U
591-78-6	2-Hexanone	B 1874-3366	9.68	9.68	ppb	U
124-48-1	Dibromochloromethane	B 1874-3366	1.15	1.15	ppb	U
106-93-4	1,2-Dibromoethane	B 1874-3366	0.93	0.93	ppb	U
108-90-7	Chlorobenzene	B 1874-3366	0.91	0.91	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B 1874-3366	0.95	0.95	ppb	U
100-41-4	Ethylbenzene	B 1874-3366	0.52	0.52	ppb	U
108-38-3	m,p-xylene	B 1874-3366	1.80	1.80	ppb	U
95-47-6	o-xylene	B 1874-3366	0.91	0.91	ppb	U
100-42-5	Styrene	B 1874-3366	0.93	0.93	ppb	U
75-25-2	Bromoform	B 1874-3366	1.50	1.50	ppb	U
98-82-8	Isopropylbenzene	B 1874-3366	0.74	0.74	ppb	U
108-86-1	Bromobenzene	B 1874-3366	0.52	0.52	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B 1874-3366	1.35	1.35	ppb	U
103-65-1	n-Propylbenzene	B 1874-3366	0.74	0.74	ppb	U
96-18-4	1,2,3-Trichloropropane	B 1874-3366	2.91	2.91	ppb	U
622-96-8	p-Ethyltoluene	B 1874-3366	0.61	0.61	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B 1874-3366	1.24	1.24	ppb	U
95-49-8	2-Chlorotoluene	B 1874-3366	0.74	0.74	ppb	U
106-43-4	4-Chlorotoluene	B 1874-3366	0.76	0.76	ppb	U
98-06-6	tert-Butylbenzene	B 1874-3366	0.61	0.61	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B 1874-3366	1.37	1.37	ppb	U
135-98-8	sec-Butylbenzene	B 1874-3366	0.69	0.69	ppb	U
99-87-6	4-Isopropyltoluene	B 1874-3366	0.89	0.89	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1874-3366	0.76	0.76	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1874-3366	0.76	0.76	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1874-3366	0.85	0.85	ppb	U
105-05-5	p-Diethylbenzene	B 1874-3366	1.22	1.22	ppb	U
104-51-8	n-Butylbenzene	B 1874-3366	1.41	1.41	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B 1874-3366	1.43	1.43	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B 1874-3366	2.84	2.84	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1874-3366	1.87	1.87	ppb	U



09/19/2005

Volatiles - EPA 8260B

Sample: 0509282-5

Client Sample ID: EP-5

Matrix: Soil

Type: Grab

Collected: 09/13/2005 14:00

% Solid: 92.2%

Remarks: See Case Narrative

Analyzed Date: 09/16/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1874-3366	0.69	0.69	ppb	U
91-20-3	Naphthalene	B1874-3366	2.08	2.08	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1874-3366	1.78	1.78	ppb	U
994-05-8	TAME	B1874-3366	1.02	1.02	ppb	U
75-65-0	Tertiary butyl alcohol	B1874-3366	25.0	25.0	ppb	U
107-13-1	Acrylonitrile	B1874-3366	8.77	8.77	ppb	U

\* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1874-3366	102.0 %	( 74 - 121 )	
4774-33-8	DIBROMOFLUOROMETHANE	B1874-3366	106.0 %	( 80 - 120 )	
2037-26-5	TOLUENE-D8	B1874-3366	101.0 %	( 81 - 117 )	





# Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

09/19/2005

## Case Narrative

### EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

- Acetone
- 2-Butanone
- 4-Methyl-2-pentanone
- 2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.

Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.

Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.



09/19/2005

## ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).
- Y - The concentration reported was detected below the lowest calibration standard concentration.
- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag indicates a system monitoring compound diluted out.

## INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

- E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

## OTHER QUALIFIERS

- ND - Not Detected
- NA - Not Applicable
- NR - Not Required
- \* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)
- x - Outside Expected Range



# ETL

Environmental Testing Laboratories, Inc.  
 208 Route 109 • Farmingdale • New York 11735  
 631-249-1456 • Fax: 631-249-8344

## CHAIN OF CUSTODY DOCUMENT

17 11 11

Project Name:

Project Manager:

Sampler (Signature):

(Print):

Project Address:

J/N:

Rush by

Client:

Type: SS = Spill Spoon, G = Grab, C = Composite, B = Blank  
 Matrix: L = Liquid, S = Soil, SL = Sludge, A = Air, W = Waste  
 \*Air - Vol (liters) Include Flow (CFM)

ID	Date	Time	Type	Matrix	Sample Location	Total # Cgnt.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

601/602
BTX/BTEX
MTBE
624/8260/8021
625/8270/BN
PCB/Pesticides
Per. Prods./B100M
RCRA Metals
pH/Flash/React
418.1 - TRPH

Relinquished by (Signature):  
 Date: 11/15/11  
 Time: 10:30 AM  
 Printed Name & Agent: [Signature]

Received by (Signature):  
 Date: 11/15/11  
 Time: 10:30 AM  
 Printed Name & Agent: [Signature]

Relinquished by (Signature):  
 Date: 11/15/11  
 Time: 10:30 AM  
 Printed Name & Agent: [Signature]

Received for Lab by (Signature):  
 Date: 11/15/11  
 Time: 10:30 AM  
 Printed Name: [Signature]

Comments & Special Instructions: QA/QC Type: Number & Type of Containers: Preservatives: Temp:

**APPENDIX B**

**TANK ABANDONMENT DOCUMENTS**



# Action Remediation Inc.

42-14 21<sup>st</sup> Street, 2<sup>nd</sup> Floor  
Long Island City, NY 11101  
Tel: (718) 937-4792

3010 Burns Avenue  
Wantagh, NY 11793-3296  
Tel: (516) 781-3000  
Fax: (516) 781-3085  
e-mail: HazMat3000@aol.com

October 14, 2005

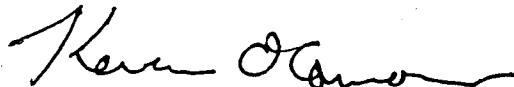
New York City Fire Department  
Bureau of Fire Prevention  
Bulk Fuel Safety Unit-3<sup>rd</sup> Floor  
9 Metrotech Center  
Brooklyn, NY 11201

Re: 248 Flatbush Avenue  
Brooklyn, NY 11217

This correspondence is to inform you that our company has abandoned one (1) 1,000 gallon aboveground #2 oil storage tank from the above referenced location. This tank was pumped, cleaned of all product and bottom sludge, made vapor free and rendered useless as per New York City rules and regulations. Fill and vent pipes were removed and filled with concrete.

Action Remediation is in compliance with New York City fire prevention code sec 27-4019. My certificate #62365598; install, test, repair buried tank; expiration date: 9/15/06.

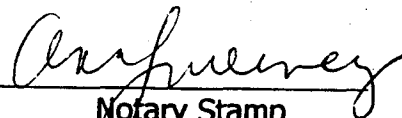
Sincerely,



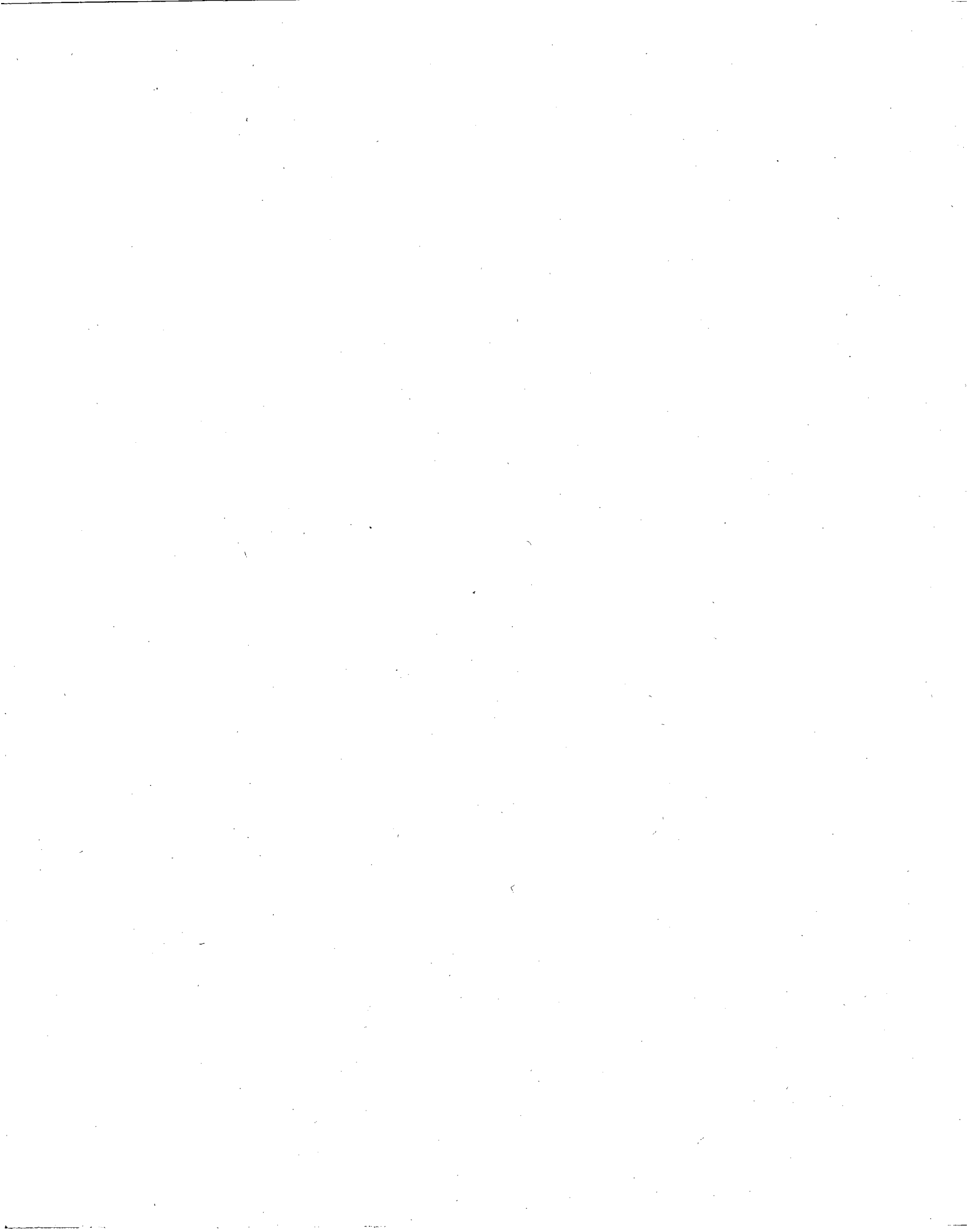
Kevin O'Connor  
PROJECT MANAGER

KO:as  
Enc.

Sworn to me this 14<sup>th</sup>  
day of October, 2005



Notary Stamp  
ANN SWEENEY  
Notary Public, State of New York  
No. 01SW6073995  
Qualified in Nassau County  
Commission Expires April 29, 2006



# Action Remediation Inc.

3010 Burns Avenue  
Wantagh, NY 11793-3296  
Tel: (516) 781-3000  
Fax: (516) 781-3085  
e-mail: HazMat3000@aol.com

October 20, 2005

Cinderella Cleaners & Tailors  
248 Flatbush Avenue  
Brooklyn, NY 11217  
Attn: David Aronowicz

Dear David,

Enclosed please find a Closure Package for the abandonment of (1) 1,000 gallon aboveground oil storage tank at the above address.

Included in this package are a New York City Fire Marshal Affidavit, a Site Plan, a Waste Manifest, and an invoice for services rendered.

Should you know of anyone who might need a storage tank removed or abandoned, we would appreciate it if you would refer them to us. If we can be of any further assistance, do not hesitate to call.

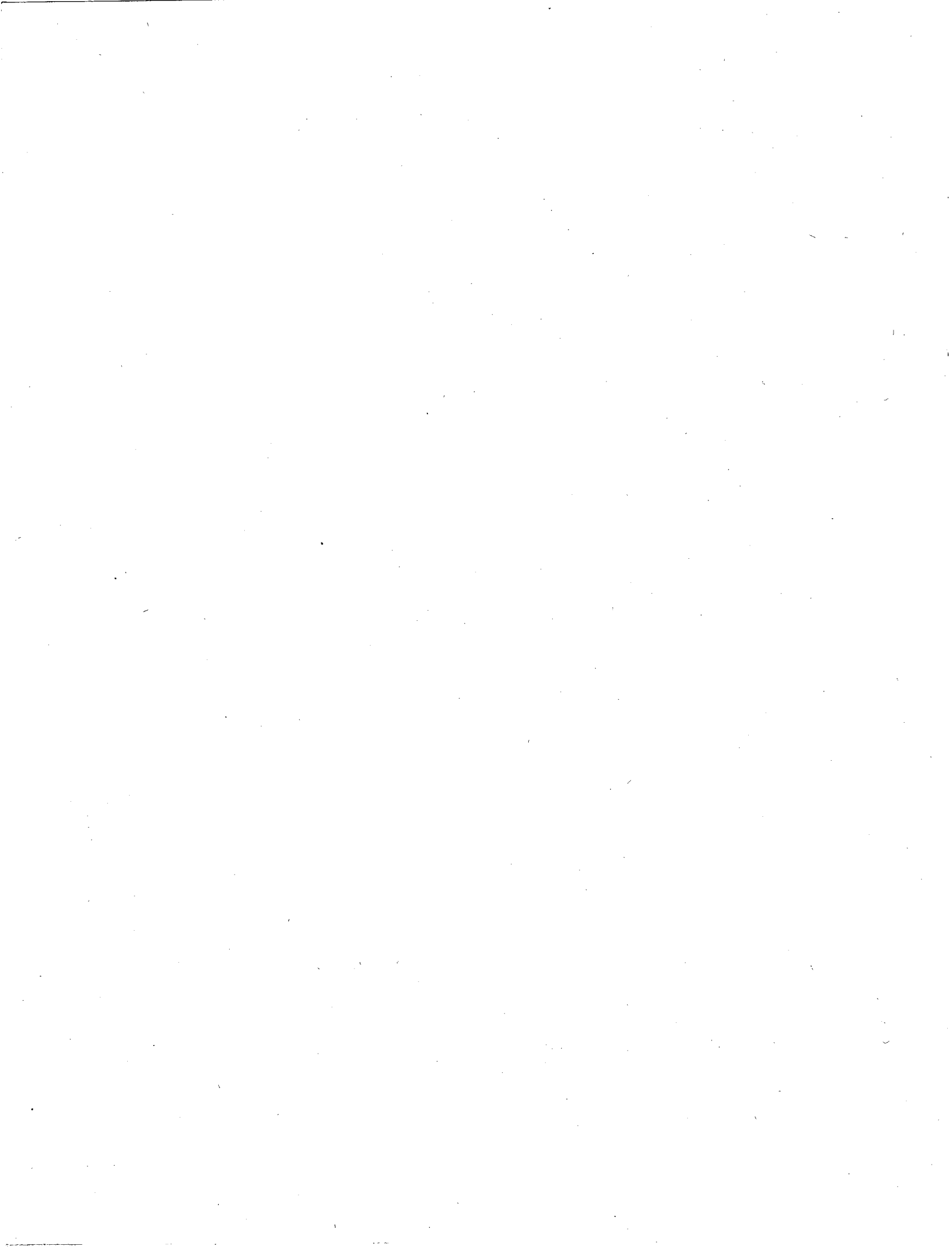
Sincerely,

*Ralph Pantony*

Ralph Pantony  
President

RP:as  
Enc.





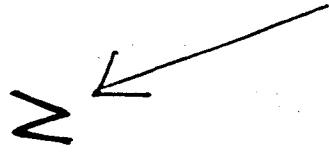
CINDERELLA CLEANERS  
248 FLATBUSH AVE  
BROOKLYN NY

FLATBUSH AVE

#248

SIDEWALK

1000 GAL AST  
BASEMENT





# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

BLUE

3. Generator's Name and Mailing Address

CINDERELLA CLEANERS  
245 PLAZA BOULEVARD  
BROOKLYN, NY 11201

5) TRUCK 109  
2667 FJE N.Y.

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

DEER STAR  
3243 Richmond Terrace  
Bayside, NY 11361

10. US EPA ID Number

C. Facility's Phone

11. Waste Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

No. Type

a. NEW YORK, NEW YORK, NON-HAZARDOUS WASTE LIQUID  
(#2 OIL / Water Tank Bottoms)

		40	G
--	--	----	---

GENERATOR

D. Additional Descriptions for Materials Listed Above

a. ERG# 129

E. Handling Codes for Wastes Listed Above

a. c.  
b. a.

15. Special Handling Instructions and Additional Information

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

Printed/Typed Name

DAVID ARONOWITZ

Signature

*David Aronowitz*

Month Day Year  
10/12/05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MATT HUFNAGEL

Signature

*Matt Hufnagel*

Month Day Year  
10/12/05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR



**APPENDIX C**

**REGULATORY AGENCY DOCUMENTS**



# NYC BUILDINGS



## NYC Department of Buildings Property Profile Overview

248 FLATBUSH AVENUE  
FLATBUSH AVENUE  
FLATBUSH AVENUE

248 - 248  
248A - 248B

BROOKLYN 11217

Health Area : 26  
Census Tract : 161  
Community Board : 306  
Buildings on Lot : 1

BIN# 3018773  
Tax Block : 936  
Tax Lot : 12  
Condo : NO  
Vacant : NO

[View All Addresses...](#) [Browse Block](#) [Browse Lot](#)

[View Certificates of Occupancy](#)

DOB Special Place Name:

DOB Building Remarks:

Landmark Status:

Loft Law: NO

SRO Restricted: NO

UB Restricted: NO

Little 'E' Restricted: N/A

Legal Adult Use: NO

Historic Block: 936

Other BINs: NONE

Special Status: N/A

Local Law: NO

TA Restricted: NO

Special District: N/A

Grandfathered Sign: NO

City Owned: NO

Historic Lots: 12

Department of Finance Occupancy Code:

K1-STORE BUILDING

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	1	0
Violations-DOB	5	5
Violations-ECB	4	3
Jobs/Filings	0	
PRA / ARA Jobs	0	
Total Jobs	0	
Actions	15	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

### Elevator Records

[Electrical Applications](#)

[Permits In-Process / Issued](#)

[Illuminated Signs Annual Permits](#)

[Plumbing Inspections](#)

[Open Plumbing Jobs / Work Types](#)

[Facade Status Information](#)

[Marquee Annual Permits](#)

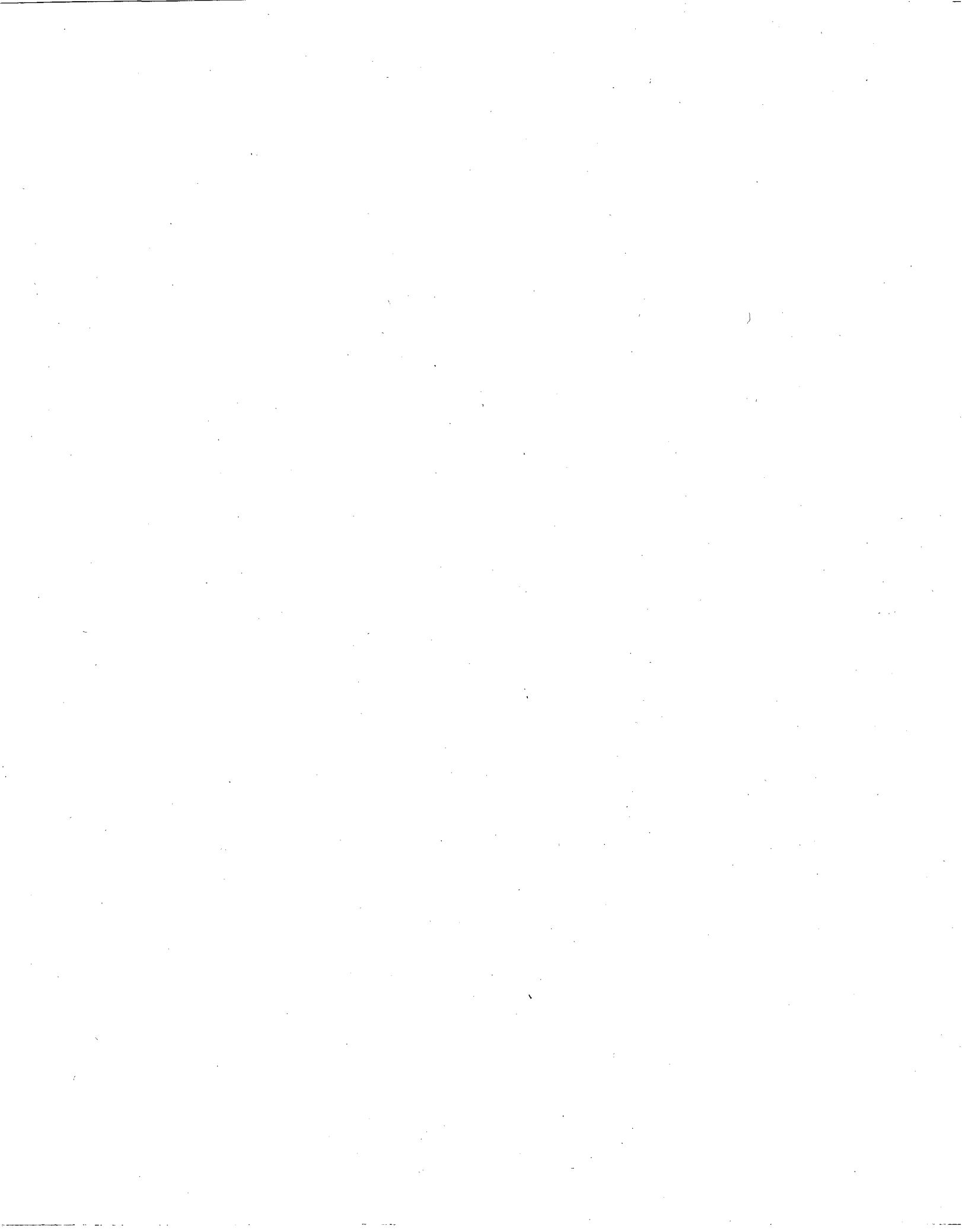
[Boiler Compliance](#)

[DEP Boiler Information](#)

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NYC Department of Buildings  
ECB Violation Details

Premises: 248 FLATBUSH AVENUE BROOKLYN  
Filed At: 260 FLATBUSH AVENUE , BKN , NY 11217  
ECB Viol Number: 34162126Z

BIN: 3018773 Block: Lot:

VIOL ACTIVE

Status: NO COMPL RECORD

Respondent Info:

P. ARUTI INC , 266 FLATBUSH AVENUE , BROOKLYN , NY 11217

CB: 306

GEO Flag: 2

Viol Issue Date: 10/08/1997

Delivered Date: 12/23/1997

Viol Type: CN - CONSTRUCTION

DOB Viol Number: 100897C06M02

Issuing Insp ID: 0427

Tax Lien Serv: NO

Device Type:

Device Number: 3814877

Sched Hrg Date: 04/13/1998

Hearing Time: 8:30

Location: BKN

Amount Imposed: \$1,000.00

Amount Paid: \$0.00

Hearing Status: F - DEFAULT

Compl Status: N - NO COMPL RECORD

Compl By Date: 06/30/1998

Compl Met Flag:

Compl Met Date:

Viol Severity: B - MODERATE

Infraction Codes:

B04 27-147 WORK WITHOUT A PERMIT

Description of Violation:

WORK WITHOUT A PERMIT. NEW PARTITIONS, CEILING AND NEW STORE FRONT HAS BEEN CONSTRUCTED. REMEDY: OBTAIN PERMIT.

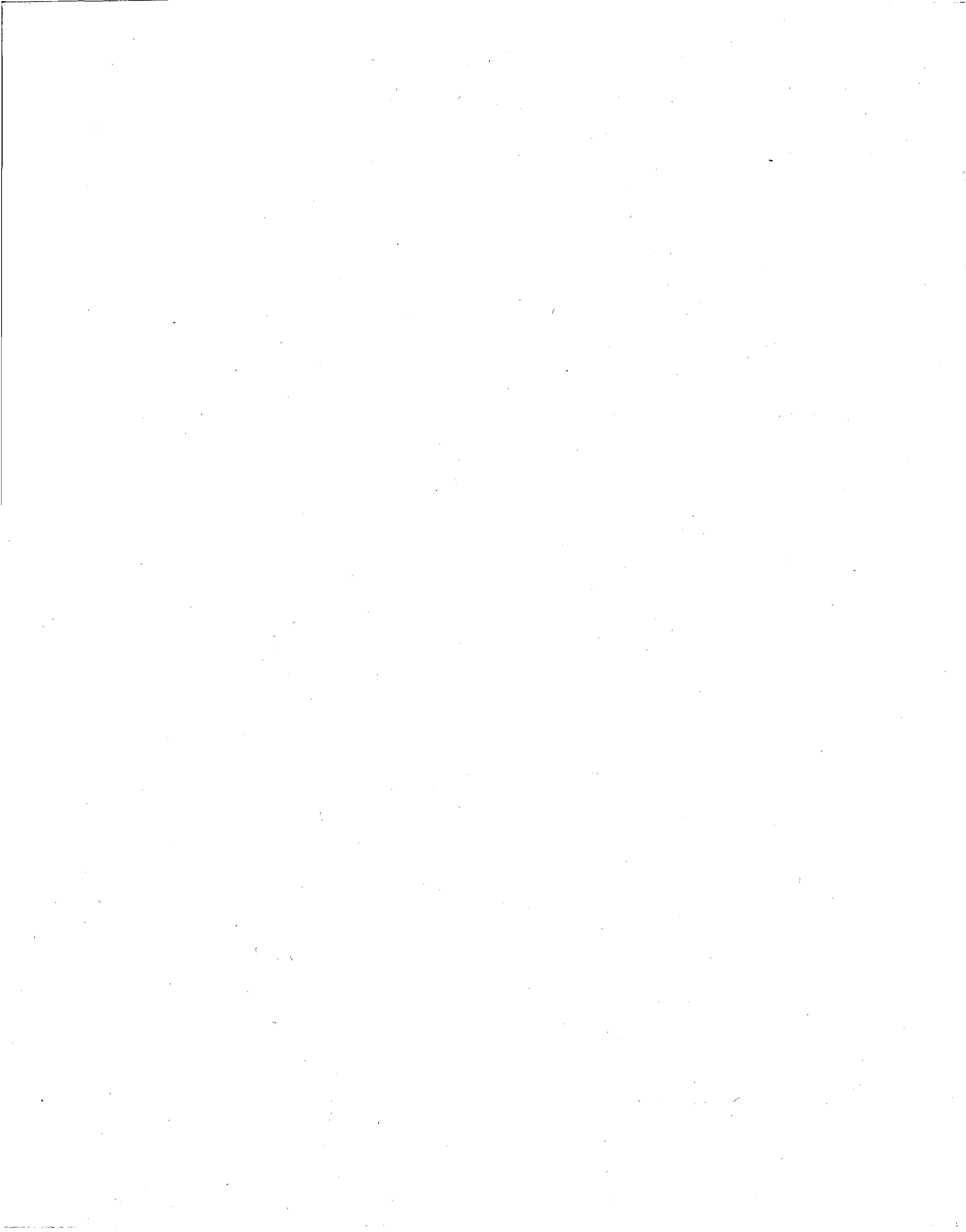
Historical Event Dates:

CUR:	HRG:	COM:	DEF:	STIP ACC:
AJR:	ASG:	WRI:	Cominsp:	Comdcc:

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**APPENDIX C**

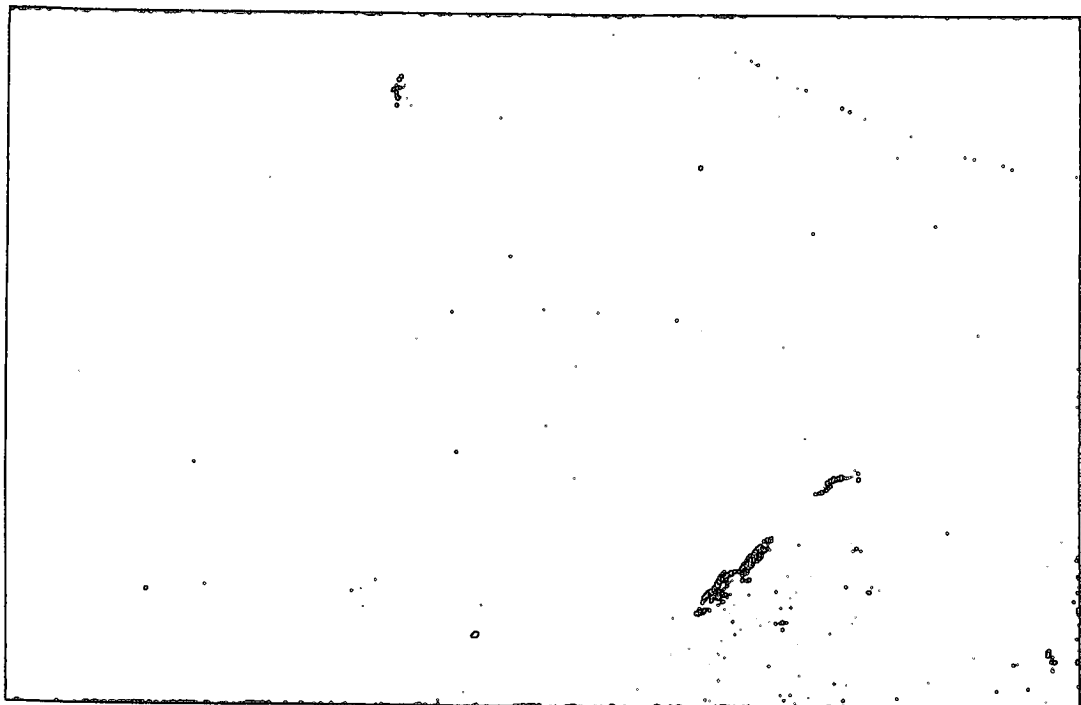
**EXCAVATION PHOTOGRAPHS**



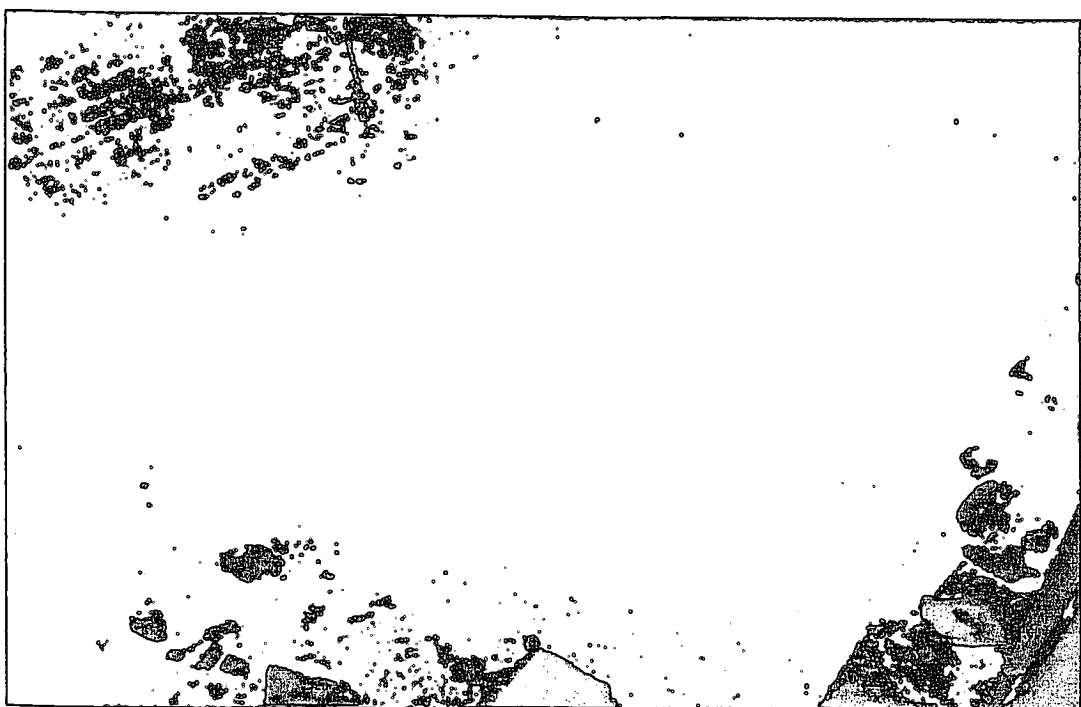
Photograph 1: Setting up equipment for soil excavation.



Photograph 2: Removal of soil from boiler room.



Photograph 3: Bottom of the excavation.



Photograph 4: Site conditions upon completion of excavation.

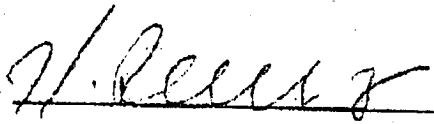
**APPENDIX D**  
**SOIL DISPOSAL DOCUMENTATION**

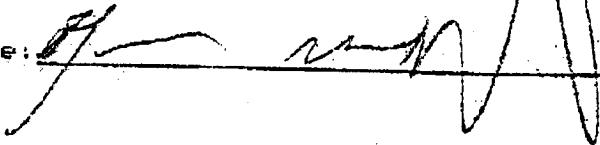
Clean Earth of Philadelphia, Inc  
3201 South 61st Street  
Philadelphia, PA 19153

Transaction No.  
27023

			Date	Time	Scale
Vehicle ID:	FCI626	Freehold Cartage, Inc	In:	09/15/2005 09:09	1
			Out:	09/15/2005 09:24	1
Customer ID:	IR	INNOVATIVE RECYCLING	Gross:	19.56 tn (M)	
Job# ID:	6884	Cinderrella Cleaners	Tare:	15.16 tn	
Material ID:	001	Soil	Net:	4.40 tn	
Manifest ID:					

Comments:  
Operator: 4 Charge by Weight

Driver Signature: 

Operator Signature: 



**CLEAN EARTH OF PHILADELPHIA, INC.**  
**3201 SOUTH 61ST. STREET, PHILADELPHIA, PA. 19153**  
**NONHAZARDOUS MATERIAL MANIFEST**

**GENERATOR**

Generator Name: Cianderella Cleaners  
 Address: 248 Flatbush Ave, Brooklyn, NY 11217  
 Telephone Number: 718-638-3104  
 Site Address: SAME

Approval No. <b>6884</b>	Description of Material <u>petroleum Contaminated Soil</u>	Gross Weight <u>19.56</u>	Net Weight (tons)
		Tare Weight <u>15.26</u>	
		Net Weight <u>4.40</u>	

I hereby certify that the above named material does not contain free liquid as defined by 40CFR260.01 or any applicable state law, is not a hazardous waste as defined by 40CFR261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent: DAVID ARONOWICZ Signature (Title): [Signature] Shipment Date: 9/13/05

**TRANSPORTER**

Trans. Name: Freehold Cartage, Inc. Driver Name: AL JOHNSON  
 Address: Route 33 East, Freehold, NJ Vehicle Lic. No /State: AM 396E (NJ)  
 Truck Number: 626

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature: [Signature] Shipment Date: 9/13/05  
 Driver Signature: [Signature] Shipment Date: 9-15-05

**DESTINATION**

Site: Clean Earth of Philadelphia, Inc.  
 Site Address: 3201 South 61st. Street, Philadelphia, PA 19153-3592  
 Site Phone: (215) 724-5520 Fax: (215) 724-2939

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Facility Agent (Print): \_\_\_\_\_ Signature: \_\_\_\_\_ Receipt Date: \_\_\_\_\_  
 White: Generator      Canary: Transporter      Pink: Facility      Gold: Invoice

**APPENDIX D**  
**FIRE INSURANCE MAPS**

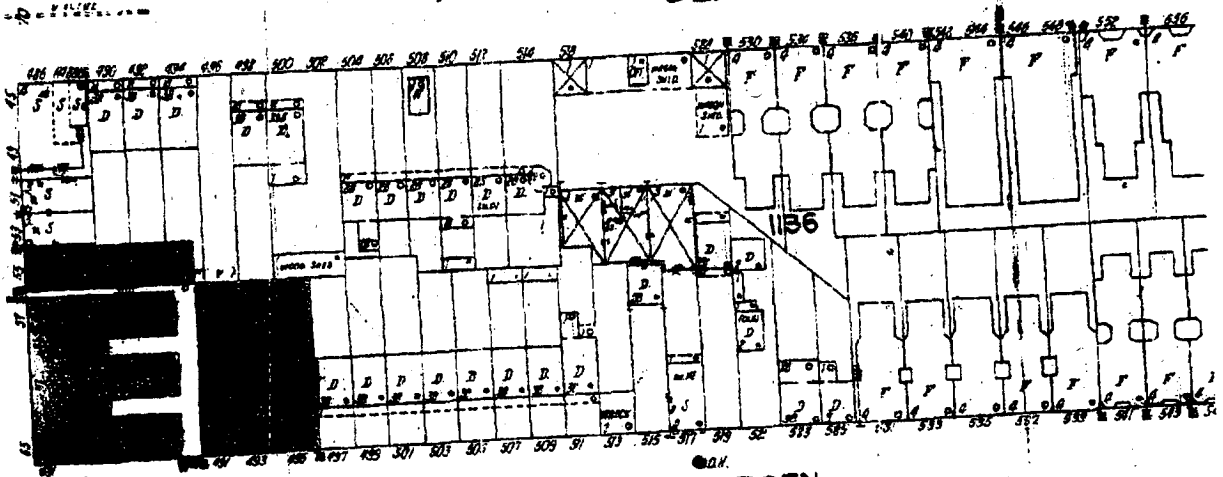


DEAN

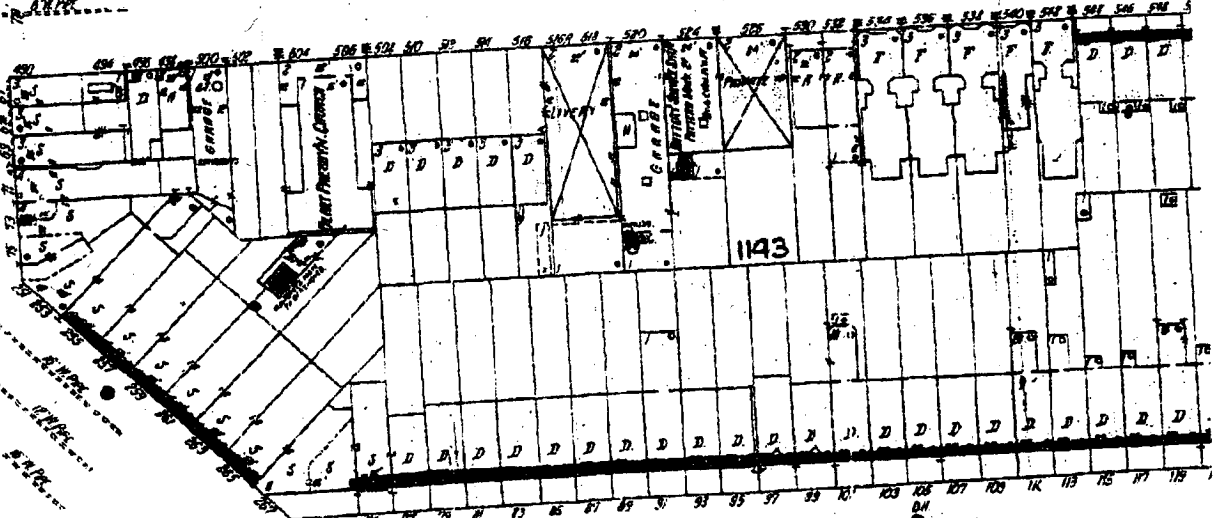
30

AV.

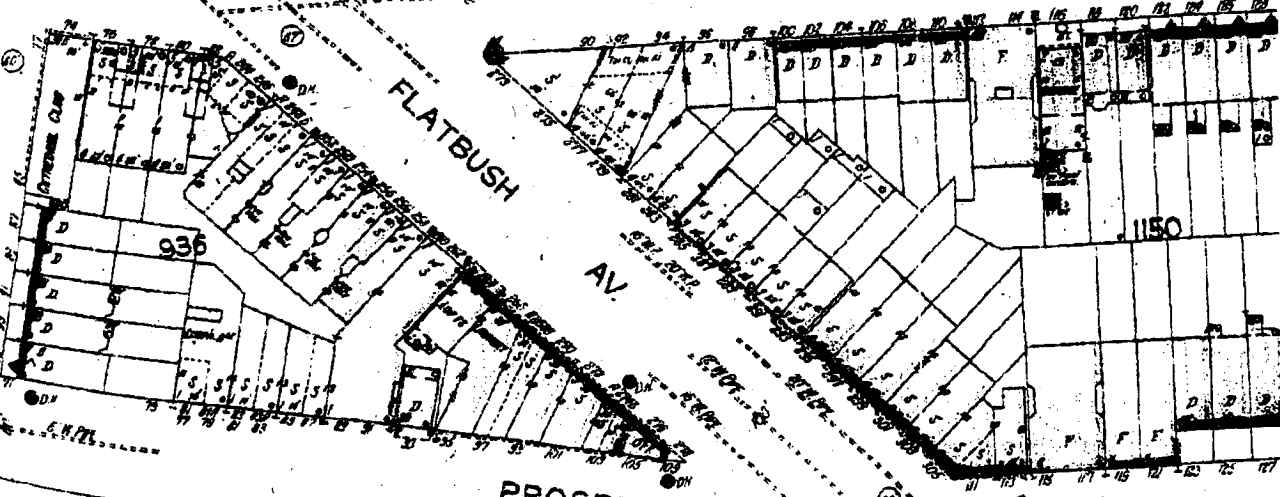
6TH



BERGEN



ST. MARKS AV.



FLATBUSH AV.

PROSPECT PL.

Scale 60 Ft to One Inch. 39

1926

Copyright 1926 by The Standard Map Co.



30

AV.  
6TH

PLAYGROUND

1136

BERGEN

1143

ST. MARKS

FLATBUSH

AV.

936

1951

PROSPECT

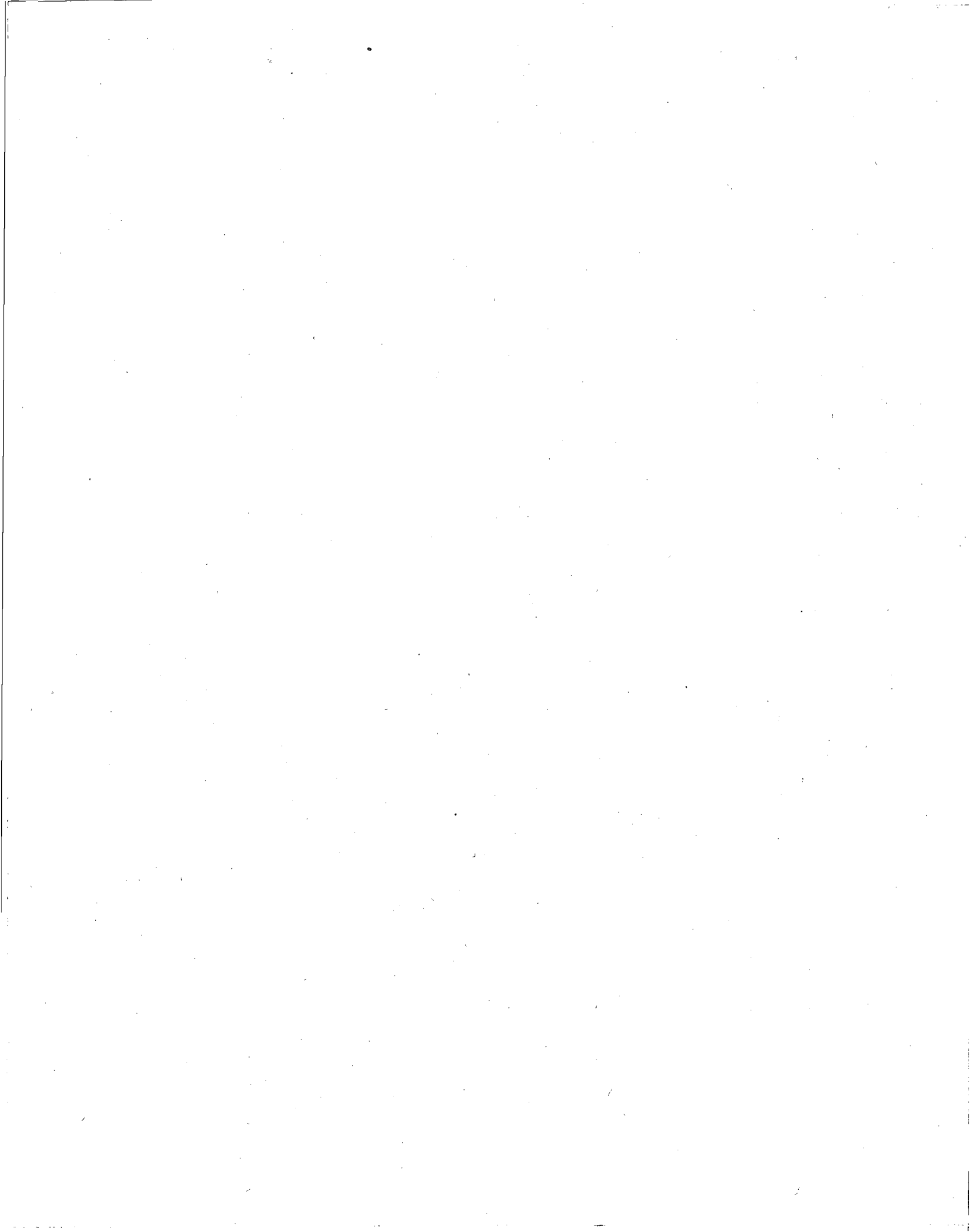
PL.

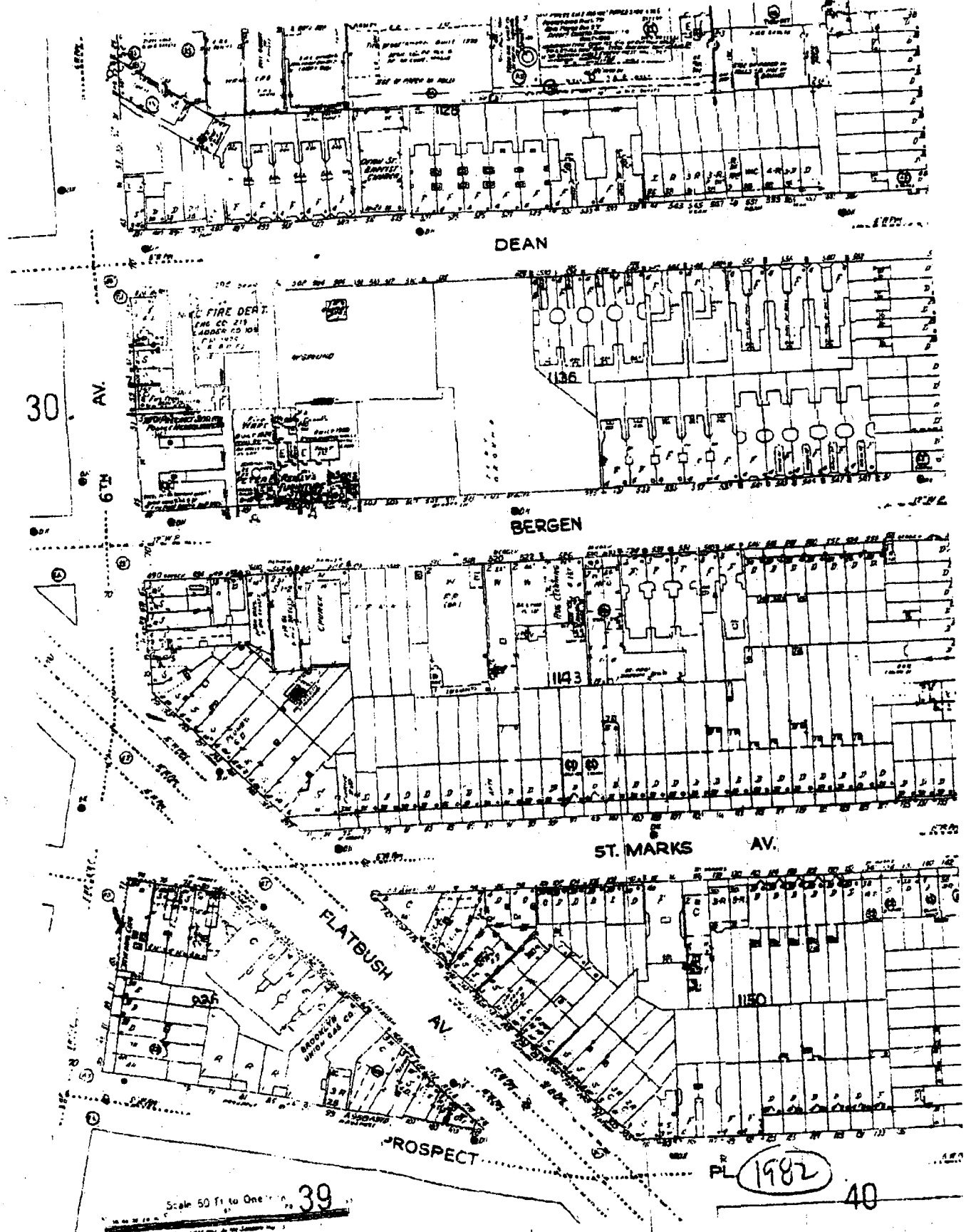
Scale 60 Ft to One Inch 39

50 40 30 20 10 0

Copyright 1958 by the Landown Map Co







DEAN

30

AV.

6TH

FIRE DEPT.  
CO. 219  
ADDRESS 108

BERGEN

ST. MARKS AV.

FLATBUSH AV.

PROSPECT

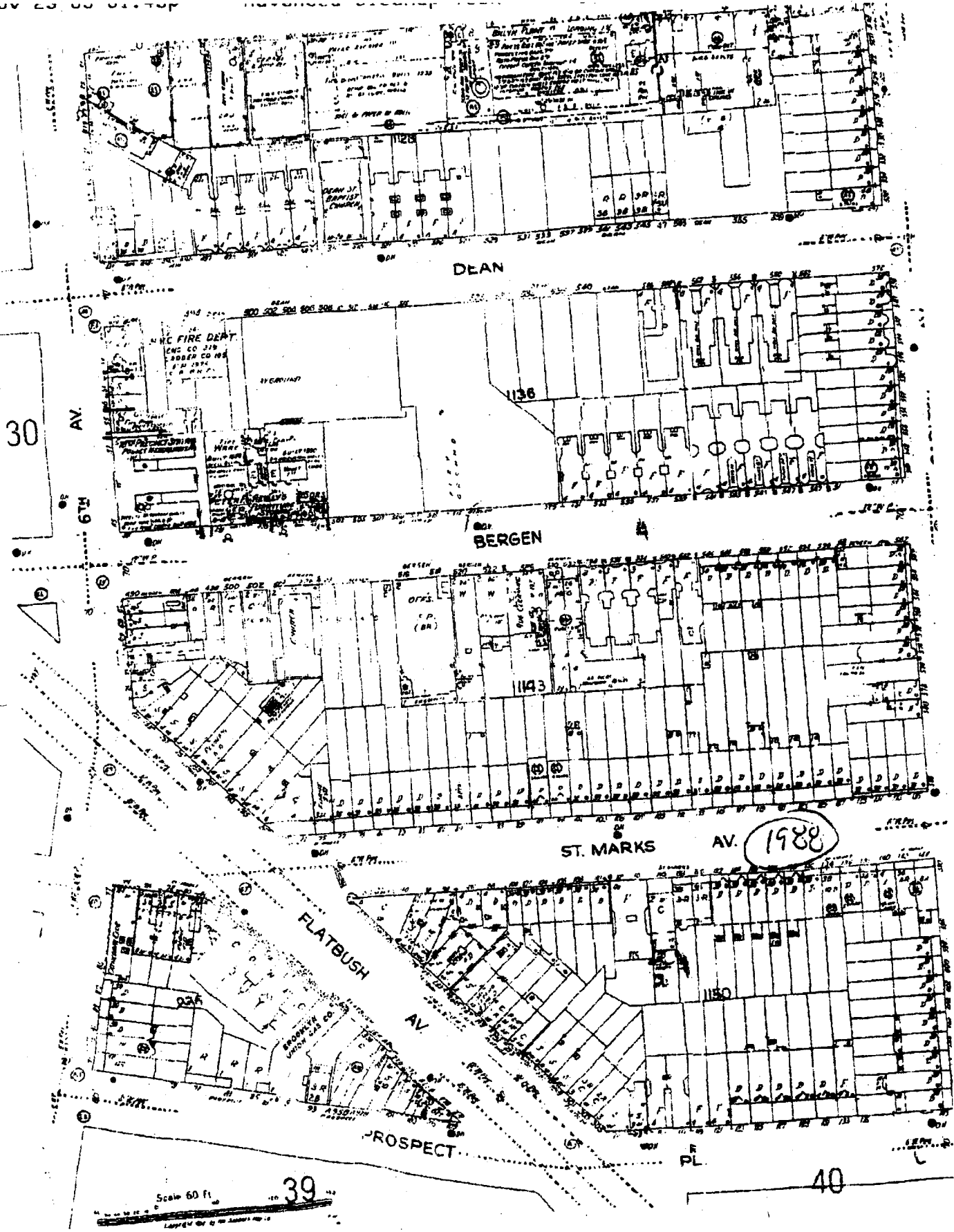
Scale 50 ft to One Inch 39

PL 1982

40







30

AV.

6TH

DEAN

BERGEN

ST. MARKS

AV. 1988

FLATBUSH

AV.

PROSPECT

Scale 60 Ft

39

40



**APPENDIX E**

**DATABASE SEARCH RESULTS**





NYC Department of Buildings  
Open ECB "Work Without a Permit" Violations

Page: 1

Premises: 248 FLATBUSH AVENUE BROOKLYN

BIN #: 3018773 Block: 936 Lot: 12

A ECB NUM / INF CD	RESPONDENT NAME	DATE OF ISSUANCE & DOB VIOL NUMB / PROV LAW	VIOL TYPE	STATUS
A <u>34040942L</u> B04	250 FLATBUSH AVE	050499C02F01 B04 - 27-147	CONS	OVERDUE
A <u>34162125Z</u> B04	P. ARUTI INC	100897C06M02 B04 - 27-147	CONS	NO COMP

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NYC Department of Buildings  
ECB Query By Location

Page: 1 of 1

Premises: 248 FLATBUSH AVENUE BROOKLYN

BIN #: 3018773 Block: 936 Lot: 12 CB: 306

A ECB NUM / INF CD	RESPONDENT NAME	DATE OF ISSUANCE & DOB VIOL NUMB / PROV LAW	VIOL TYPE	STATUS
A <u>34040942L</u> B04	250 FLATBUSH AVE	050490C02F01 27-147	CONS	OVERDUE
A <u>34182126Z</u> B04	P. ARUTI INC	100897C06M02 27-147	CONS	NO COMP
A <u>32046285P</u> B4B	CINDERELLA CLEANING	101304B6697601 27-127	BOIL	NO COMP
D <u>34133823L</u> B04	ARONOWICZ SHALOM AND	020796C02H02 27-147	CONS	VIC DIS

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings  
DOB Violation Display

Premises: 248 FLATBUSH AVENUE BROOKLYN

BIN: 3018773 Block: 936 Lot: 12

Issue Date: 10/08/1997

Violation Category: VW - VIOLATION WORK WITHOUT PERMIT - ACTIVE

Violation Type: C - CONSTRUCTION

Device No.:

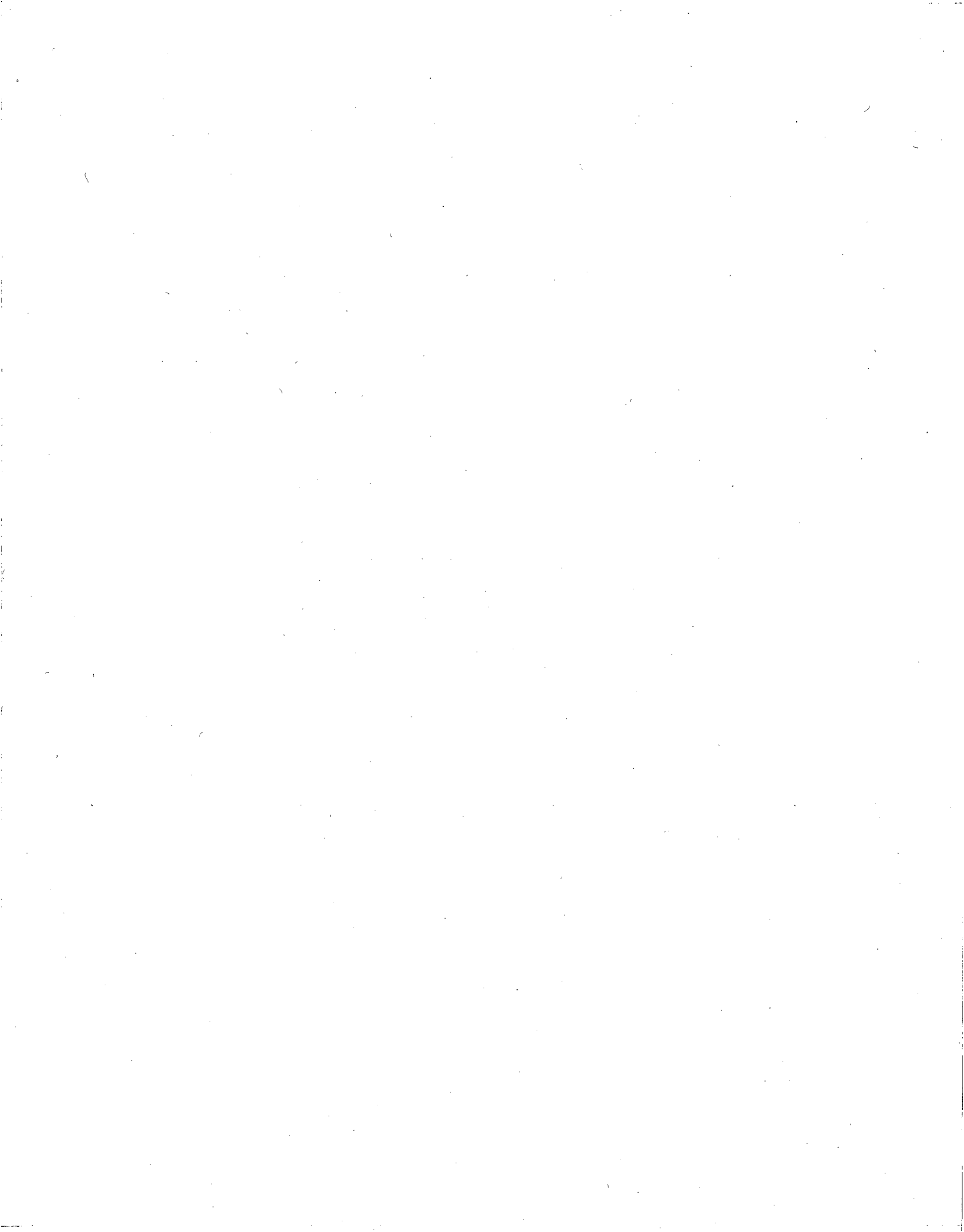
Violation Number: 06M02

ECB No.: [34162126Z](#) (refer to for further details)

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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**Description**

<b>Location</b>		<b>Square Feet</b>	
<b>Primary address</b>	248 Flatbush Ave	<b>Building SF</b>	2,310
<b>Zip</b>	11217	<b>Retail SF</b>	2,310
<b>Borough</b>	Brooklyn	<b>Lot SF</b>	2,310
<b>Lot</b>	00936-0012	<b>Zoning, Use &amp; C-of-O</b>	
<b>Alternate addresses</b>	248 Flatbush Ave	<b>Certificate of occupancy</b>	<a href="#">Click here</a>
<b>School district</b>	13	<b>Building class</b>	Store building, one story (K1)
<b>Community board</b>	6	<b>Zoning district</b>	C2-4/R7A
<b>Police precinct</b>	78 web site/crime stats	<b>Residential units</b>	0
<b>School district</b>	13 map/schools	<b>Commercial units</b>	2
<b>City council</b>	33 map	<b>Ratio of Building SF to Lot SF (FAR)</b>	
<b>Political contributions</b>	search	<b>FAR as built</b>	1
<b>Property Tax Assessment</b>		<b>Max allowed FAR</b>	4
<b>City assessor's estimate of market value</b>	\$188,000	<b>SF under FAR</b>	6930
<b>Land portion</b>	\$109,000	<b>Building</b>	
<b>Total assessed value</b>	\$83,700	<b>Building dimensions</b>	119 ft x 58 ft
<b>Tax class</b>	4	<b>Lot dimensions</b>	119 ft x 70.92 ft
		<b>Corner lot</b>	No
		<b>Stories</b>	001.00
		<b>Buildings on lot</b>	1
		<b>Has extension</b>	No
		<b>Has garage</b>	No
		<b>Year built</b>	1921

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All data comes from government sources. No attempt has been made to validate it. No attempt has been made to validate the accuracy of the programming of this web site. Do not rely on this report to support investment decisions. The only authoritative source for the information in this report is the government agencies from which the data was acquired.



PREVIOUS OWNERS AND OPERATORS

<b>Name of Property Owner</b>	<b>From</b>	<b>To</b>	<b>Relationship to Applicant</b>
David Aronowicz	3/10/2006	PRESENT	None
Ita Aronowicz	7/8/1976	3/10/2006	None
P. Aruti, Inc.	Unknown	7/8/1976	None

<b>Name of Operator</b>	<b>From</b>	<b>To</b>	<b>Relationship to Applicant</b>
Cinderella Cleaners and Tailor	Prior to 1985*	After 2005*	None
Wardrobes U.S.A.	Prior to 1965*	Prior to 1985*	None
Closets Inc.	Prior to 1960*	Prior to 1965*	None
Ladd Niel Morrow Book Company, Reid & Chappell Books	Prior to 1940*	Prior to 1965*	None
Diloyian John Dry Goods	Prior to 1928*	Prior to 1940*	None

\*Information based on City Directory Abstracts

**SECTION VIII CONTACT LIST INFORMATION**

Party	Name	Address
Chief Executive Officer/Planning Board Chairperson – Brooklyn Board #	Amanda Burden	22 Reade Street New York, NY
Site Owner	David and Gila Aronowicz	
Adjacent Property Owners	250-258 Flatbush LLC	250 Flatbush Avenue
	Thiri Han Inc.	260 Flatbush Avenue
	Shoshana, Perry and Noel	77 Prospect Place
	76-82 St Marks LLC	76 St Marks Avenue
Local News Media	News 12 Brooklyn	164 20th Street 4th Floor Brooklyn, NY 11232
Public Water Supplier	City of New York	59-17 Junction Boulevard, 19th Floor Flushing, NY 11373
Administrator of Nearby Day Care Facility	Kinder Stuff Daycare and Learning Center	272 Flatbush Avenue

## SECTION IX

## LAND USE FACTORS

### ADJACENT USES

The Site address is 248 Flatbush Avenue, Brooklyn, New York. The Site is located in a mixed retail, commercial, and residential area near the southwest corner of Flatbush Avenue and St. Marks Avenue. The Site is an approximately 2,300 square feet, one-story commercial building that encompasses the entire property and was constructed between 1888 and 1906.

The surrounding properties have been occupied historically and currently by stores, commercial properties, and dwellings/residences. A review of the Sanborn maps from 1888 to 2007 indicates that the surrounding properties are labeled as stores, commercial properties, and dwellings/residences. The Site currently is bounded to the east by Flatbush Avenue beyond which are residential and retail properties. The Site is bounded to the south by the Eastern Parkway Project's Resident Engineer's Field Office beyond which are retail stores. The Site is bounded to the west by a courtyard that is utilized as an outdoor dining area for a restaurant beyond which are residential houses and 6<sup>th</sup> Avenue. The Site is bounded to the north by Taro Sushi, a liquor store, and the Flatbush Farm restaurant beyond which is St. Marks Avenue. The facilities to the north appeared to have residential apartments located on the floors above the businesses. Aerial photographs illustrating the surrounding area are attached.

### GROUNDWATER VULNERABILITY

According to the United States Environmental Protection Agency (EPA) more than fifty percent (50%) of the drinking water for the aquifer service area is supplied by the Kings-Queens Aquifer System. The Kings and Queens aquifers which underlie the southeastern portion of Queens County are the sole or principal source of drinking water for approximately 650,000 people. The EPA has determined that the geographic boundaries of Kings and Queens Counties are the recharge zone for the aquifers underlying the southeastern portion of Queens County. The Site is located within Kings County which is part of the recharge area of the Kings-Queens Aquifer System.

### GEOGRAPHY/GEOLOGY

According to the USGS Brooklyn, NY topographic quadrangle, the topography of the Site is generally flat. The general topography of the surrounding area slopes gradually to the northwest. The Site is located approximately 70 feet above mean sea level.

According to the EDR Radius Report, soils underlying the Site are classified as Urban Land. Based on observations during the Phase II investigation activities, the soils beneath the Site consist of brown silty fine sand and brown fine to medium sand with some cobbles and trace fine to medium and coarse gravel.



No surface water bodies are present on the Site. The nearest body of water is the Gowanus Canal that flows into the Gowanus Bay. The Gowanus Canal is located approximately 3,400 feet to the west-northwest of the Site.

Based upon a review of local and regional topographic documentation, groundwater flow is expected to be primarily toward the northwest. Groundwater below the Site was encountered in temporary well points installed at the Site during the Phase II investigation at depths ranging from 51.6 feet to 52 feet below the surface of the basement floor, which is equivalent to approximately 60 feet below grade.





248 Flatbush Avenue





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