Phase II Report

Phase II Environmental Site Assessment

Linden Plaza

Hegeman and New Lots Avenues
Borough of Brooklyn
Kings County, New York

February 8, 2010
Project # 20918.00

THE Chazen COMPANIES®

Engineers / Surveyors
Planners
Environmental Scientists
Landscape Architects

Prepared for:

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Brooklyn, NY 11212

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1.0 SITE BACKGROUND

Linden Plaza ("site") is located between Hegeman and New Lots Avenues, Borough of Brooklyn, Kings County, New York at the northwest intersection of Hegeman Avenue and Powell Street. The site is an approximate two acre property comprised of seven contiguous tax lots identified on the Borough of Brooklyn tax map as Map 3861, Lots 1 and 6, and Map 3862 Lots 1, 23, 24, 25 and 26. A map illustrating the site location is included as Figure 1.

The site is known as Linden Plaza and contains approximately 28 tenant spaces/areas. The majority of the site is occupied by small automotive body/repair shops comprised of single-story garage areas. In addition, the site contains a used automobile dealership, two automotive storage yards, a steel fabrication facility, a motorcycle dealership, an unoccupied day care space, a church, and a vacant space which was formerly an autobody repair garage and a historic on-site dry cleaning facility. Several underground tanks were recently removed from the former dry cleaning location and a large open excavation is currently present inside of this building.

Chazen completed a Phase I Environmental Site Assessment (ESA) of the subject properties in November of 2009. The Phase I ESA identified several recognized environmental conditions (RECs) and significant data gaps which included the following:

- The current and historic uses of the site for auto body and automotive repair, vehicle dismantling and dry cleaning suggests that there is a likelihood for petroleum and chemical releases to the subsurface from floor drain, surface or storage vessel discharges and poor housekeeping/waste handling practices. Additionally, an open spill exists for the site which appears to be related to the removal of former benzene underground storage tanks (USTs). No information is known regarding the sizes of the former benzene tanks, their condition during removal or identified impacts to soil or groundwater during the removal.

- A 2004 Tank Closure Report documents the removal of nine on-site petroleum USTs, and indicates that soil impacts were not discovered during the tank removals. However, because of the sandy nature of the soils and the apparent lack of groundwater quality investigations during those activities it is likely that any releases could have quickly moved through the soil to groundwater, and not been identified during those closure activities. Additionally, historic mapping and other documents suggest the potential or additional buried gasoline and fuel oil tanks on the property.

- Surrounding properties have also been historically industrial and auto-related. Tanks are shown on historic mapping in both eastern and western adjacent garage buildings, but these sites were not identified as regulated tanks sites. If these tanks are still present, there may be undocumented releases associated with them which could impact soil or groundwater quality at the subject site. Similarly, automotive waste handling practices on the adjacent sites are unknown.

- Several auto garage spaces were inaccessible during the site visit, so Chazen can make no statement as to current petroleum and chemical handling practices or other conditions in these locations.

- A steel fabrication facility is reportedly located in one tenant space at the northeast end of the site. This space was inaccessible during the site visit, so Chazen cannot make any statements with regards to site operations and petroleum or chemical handling practices or other conditions in this area. This area of the building was also historically part of the dry cleaning facility.

- The first story area of 114 New Lots Avenue (northeast corner of the site) was inaccessible. This building was historically part of the dry cleaning facility and contained the boiler room. Access to the former dry cleaning facility area was limited only to the interior location of building that contained the benzene tanks.

- Access was not provided to the storage yard on the east end of the site. Three buildings were historically present in this location. Building Department records indicate that these former buildings were heated by oil boilers. It is unknown if oil at these buildings was stored in underground tanks, and if so, if tanks were removed at the time of demolition in 1984.

Based on the identified RECs and data gaps, a subsurface investigation was conducted to determine if there is evidence of impacts to soil or groundwater quality on the site. This investigation included:

- A subsurface drilling and sampling investigation

- Subsurface soil sampling

- Field screen and analysis of subsurface soil samples,

- Groundwater sampling, and

- Soil and groundwater sample laboratory analysis.

This field sampling investigation was completed in December 2009. The investigation and associated results are described in Sections 2 and 3. Section 4 presents investigation conclusions and recommendations are presented in Section 5.

2.0 SUBSURFACE INVESTIGATION

2.1 Areas of Investigation

Based on the current and historic site uses identified through the Phase I ESA, this investigation was segregated into seven general investigation areas. These areas are described below and are represented in Figure 2:

- **Area 1**: Current used automobile dealership (Linden Used Cars) located at the southeastern end of the project site. This is also the location of a historic gasoline service station. Former gasoline USTs were previously located near the intersection of Powell Street and Hegeman Avenue.

- **Area 2**: This is area contains automobile repair garages and a vehicle storage yard. The vehicle storage yard previously contained buildings which have been demolished. Available information suggests that these former buildings had been heated with oil. In addition, historic mapping and a tank closure report indicated that a gasoline UST was removed from the westernmost garage building in this area (799 Sackman Avenue). The spaces in Area 2 were inaccessible during the Phase I ESA site inspection and during the Phase II drilling investigation.

- **Area 3**: This is the area of the former B&M Cleaners & Dyers, Inc. facility as indicated on the 1950 Sanborn Fire Insurance Map. This area currently contains automobile garages on the western end, a metal fabrication facility on the northern-central end, a former day care and a church at the northeast corner, and a former automobile garage on the east end. One former automobile garage space (650 Powell Street) is also the location of eight former USTs which were removed in September 2009. According to the 1950 Sanborn map, these USTs contained benzene.

- **Area 4**: This area contains 3 automobile garage spaces. Two gasoline USTs were identified in this area on the 1950 Sanborn Fire Insurance Map. Two floor drains were also identified in the two garages at the north end of this area (Sunshine Auto Repair and Equal Rights Auto Repair). No access was provided to the garage at the southeast end of this area.

- **Area 5**: This area is located at the western end of the project site and contains five automobile repair garages a small tire repair facility and a motorcycle sales shop. Floor drains were identified in two garage spaces on the southwestern corner of this area (unidentified repair shop at 589 Christopher Avenue and Charles Auto Repair at 595 Christopher Avenue). No floor drains or evidence of historic tanks were noted in the garage spaces at the northwestern corner of Area 5. The garage space at the east-northeast end of Area 5 was inaccessible during the Phase I ESA and Phase II investigation.

- **Area 6**: This area is a vehicle storage yard. It was previously occupied as an automobile salvage facility.

- **Area 7**: This area is comprised of several small individual automobile repair garages. Floor drains were observed in accessible garage spaces. Two garage spaces at the southeastern corner were not accessible during the Phase I and Phase II.

2.2 Soil Boring Investigation

Between December 14 and 18, 2009, Chazen advanced soil borings in 17 locations at the site. The investigation areas were chosen based on known floor drain and historic tank locations and areas which were accessible during the investigation. A private utility locating company was contracted to locate underground utilities in the proposed investigation areas prior to drilling. Chazen also attempted to inspect areas previously inaccessible during the Phase I ESA site reconnaissance. With the exception of one tenant space, these areas remained inaccessible during the Phase II investigation activities.

The soil borings were installed using a track-mounted Geo-Probe® drilling rig. The Geo-Probe® rig utilizes direct-push drilling technology to advance four-foot stainless steel soil coring samplers. A plastic sleeve

was placed in the sampler and the soil was cored and retrieved from the subsurface with minimal disturbance. Each steel sample spoon was cleaned with water and Alconox detergent between sample depths and boring locations. Groundwater was encountered throughout the site at approximately 15 feet below ground surface (bgs). The soil boring locations are depicted on Figure 2. Soil boring logs describing subsurface conditions are attached as Appendix A.

Chazen collected soil samples from all of the borings in the field and screened all samples for evidence of contamination through visual and olfactory observations as well as with a hand held photo-ionization detector (PID) for the presence of volatile organic compounds (VOCs). Chazen also analyzed soil samples in the field from each sampling interval using a portable gas chromatograph (GC) to detect the presence of VOCs, including chlorinated VOCs which cannot be detected with a PID. Chlorinated VOC compounds are typically found in solvents used in dry cleaning and metal degreasing operations commonly associated with automotive repair. Non chlorinated VOC's typically include substances such as gasoline and other light petroleum compounds and some common paint thinners and cleaning chemicals. Field GC analysis was conducted for each sample interval in order to obtain a vertical profile of contaminants in soil.

Evidence of VOC contamination (PID and GC readings) was noted in subsurface soils primarily from SB-3, SB-7, SB-8, SB-14 and SB-18. PID readings are depicted in the Boring Logs and Field GC readings are presented in Table 1. In addition, surficial soil staining was noted at SB-2, SB-4 SB-17 and SB-18 and odors were noted in several of the soil samples. The remaining eight soil boring samples were installed in areas of known floor drains and former buried tanks. Field screening did not identify impacts to soils in these eight locations. Below is a description of the nine sample locations where impacted soils were identified through field screening methods:

- Borings SB-2, SB-3 and SB-4 were installed in the vehicle storage areas of the used car dealership at the southeastern end of the site (Investigation Area-1).

- SB-7 was installed in the accessible exterior area nearest to the former benzene tank building (Area 3).

- SB-8 was installed inside of the benzene tank building (Area 3) to the east of the former tank area, adjacent to a floor drain. In this area of the building, markings of several recent soil borings and recently installed groundwater monitoring wells were observed indicative of a recent soil and groundwater investigation of this area, likely associated with the open spill.

- Boring SB-14 was installed in the Equal Rights Auto located in Area-4. The soil boring was installed adjacent to a floor drain. Two gasoline USTs were also depicted as having been buried at this location on historic Sanborn maps dated 1950. It is unknown if/when the two USTs were removed.

- Borings SB-17 and SB-18 were installed in Area 6 which is a storage yard at the west end of the site. Currently a few vehicles are stored here and some vehicle service work occurs at this location. Previously, this was the location of an auto dismantling/salvage facility known as Brownsville Auto Salvage (257 Hegeman Avenue) which is listed as a NYS solid waste facility.

Representative soil samples were submitted for laboratory analysis to confirm field screening and GC results. Soil samples were submitted from SB-2, SB-3, SB-4, SB-8, SB-17 and SB-18 to York Analytical Laboratories (YAL) of Stratford, Connecticut for analysis. Based on the potential contaminants associated with former petroleum and chemical USTs, automotive repair and dry cleaning operations, the soil samples were analyzed for an array of petroleum, solvent and metal compounds. VOCs were analyzed via USEPA Method 8260, semi-volatile organic compounds (SVOCs) via USEPA Method 8270 (STARS-list compounds), and metals via USEPA Method 6010/7470.

The results of the soil sample analyses are discussed in Section 3.1.

2.3 Groundwater Quality Investigation

At each of the 17 soil boring locations temporary shallow groundwater monitoring wells were constructed using ten feet of slotted one-inch diameter PVC screen straddling the groundwater table with five feet of the screened interval below the groundwater table. The temporary wells were installed for the purpose of collecting grab groundwater samples from the boring locations. The wells were purged via low flow methods, using a peristaltic pump and dedicated tubing in each well, until groundwater parameters were stabilized (pH, conductivity). Once the groundwater sample was collected, the well screen was removed and the hole was filled with the soil boring cuttings and bentonite, an inert sealant, to protect against the possibility of future contaminants entering the ground through unsecured wells. The 17 groundwater samples were submitted to YAL for analysis for the same parameters as the soil samples (VOCs, SVOCs and metals).

The results of the groundwater sample analyses are discussed in Section 3.2.

2.4 Limitations to Site Areas for Proposed Sampling

The following areas were inaccessible during the subsurface investigation:

- Area 1: Access was available, but limited due to the large amount of parked vehicles on the site. Many of the vehicles appeared to be immobile.

- Area 2: The tenants of the two garage buildings and the vehicle storage yard were not present to provide access during the Phase I ESA site reconnaissance or during the subsurface investigation.

- Area 3: The first level of the building at the northeast corner (intersection of Powell Street and New Lots Avenue) was inaccessible during the Phase I ESA site reconnaissance and Phase II investigation. This building was recently occupied as a day care facility. In addition, a reported metal fabrication facility at the north-central portion of Area 2 was inaccessible. These areas were also part of the former on-site dry cleaning facility.

- Area 4: The tenant for the garage on the southeast end of this area (802 Sackman Street) was not present to provide access during the Phase I ESA site reconnaissance or during the subsurface investigation.

- Area 5: The tenant for garage space at the northeast portion of Area 5 was not present to provide access during the Phase I ESA site reconnaissance or the subsurface investigation. While the northwestern corner of this area was accessible during the Phase I reconnaissance, no suspect items of concern (floor drains, tanks, etc.) were observed at that time. A floor drain was identified in the garage at 589 Christopher Street during the Phase I site reconnaissance; however, access inside of this building was limited during the subsurface investigation due to immobile vehicles in the space.

- Area 7: The tenants for the two garage spaces at the southeastern corner of Area 7 were not present to provide access during the Phase I ESA site reconnaissance or subsurface investigation activities. These areas were also inaccessible during the Phase I site reconnaissance.

These inaccessible areas are also depicted on Figures 2 and 3.

In addition, the investigation drilling method limited drilling to the shallow water table. Therefore, it was not possible to collect deep soil samples (below 15-20 feet) to establish the vertical extent of site impacts below the groundwater table. Alternate drilling methods would be necessary to explore the depth and severity of the impacts indicated in the shallow site geology during this initial subsurface investigation.

3.0 SOIL AND GROUNDWATER ANALYTICAL RESULTS

3.1 Subsurface Soil Sample Results

Area 1-Automobile Dealership Area (SB-2, SB-3 and SB-4)

Based on surficial soil staining observed during the field investigation, two shallow soil samples (0-5') were collected from SB-2 and SB-4 in the vehicle storage areas of the on-site automobile dealership. The analytical results indicate that VOCs, including the chlorinated solvents tertrachlorethene (commonly known as PCE) and trichloroethene (commonly known as TCE) were detected in these two samples; however, the detected levels are below the New York State Department of Environmental Conservation (NYSDEC) recommended soil cleanup objectives (SCOs) for these compounds published in the Technical Administration Guidance Memorandum (TAGM) # 4046. In addition, several SVOCs were detected in these samples. While some of the SVOC compounds exceed the TAGM 4046 SCOs, the results were also compared to soil remediation SCOs published in 6 NYCRR Part 375, the NYSDEC guidance for sites involved in NYS Brownfields programs. When compared to the Part 375 remedial SCOs for Unrestricted Use, the SVOC compounds detected in these two samples are below the SCOs, except for benzo(k)flouranthene detected in SB-2. Several metals were also detected in these samples, but at levels below NYSDEC TAGM and Part 375 SCOs.

Two soil samples were collected from SB-3 located at the northeastern corner of Area 1. The soil samples were collected from the depths exhibiting the highest PID and GC field screening readings (10-15' and 15-20'). The analytical results indicate that several VOCs were detected in both samples at levels which exceed the TAGM 4046 and Part 375 Unrestricted Use SCOs. No SVOCs or metals were detected above NYSDEC SCOs.

Soil sample results, as compared to the NYSDEC SCOs, are provided in Table 2 and copies of the laboratory analytical reports are included in Appendix B.

Area 3-Former Drycleaner/Benzene Tank Area (SB-8)

One subsurface soil sample was collected from within the former dry cleaner building (SB-8). The soil sample was collected from the depth exhibiting the highest PID and GC field screening readings. The analytical results indicate that several VOCs were detected in this sample at levels which exceed the TAGM 4046 and Part 375 Unrestricted Use SCOs. No SVOCs or metals were detected above NYSDEC SCOs.

Soil sample results as compared to the NYSDEC SCOs are provided in Table 2 and copies of the laboratory analytical reports are included in Appendix B.

Area 6- Former Auto Salvage Yard (SB-17 and SB-18)

Based on shallow soil staining observed in SB-17 and SB-18, soil samples were submitted from each of these borings from the 0-5' interval. Two SVOC compounds (Benzo(a)anthracene and chrysene) were detected in the SB-17 soil sample above TAGM and Unrestricted Use SCOs. Barium and lead were also detected in both soil samples is exceedance of these SCOs . Barium was detected at 1,310 and 635 parts per million (ppm) in SB-17 and SB-18, respectfully. Lead was detected at 2,600 and 666 ppm, respectfully.

Soil sample results as compared to the NYSDEC SCOs are provided in Table 2 and copies of the laboratory analytical reports are included in Appendix B.

3.2 Groundwater Sample Results

Groundwater samples collected from all 17 installed soil borings/temporary monitoring wells were analyzed for VOCs, SVOCs and metals. VOCs were detected in groundwater samples from 10 of the soil borings at levels that exceed the NSYSDEC regulatory groundwater standards published in the Technical and Operational Guidance Series (TOGS) No. 1.1.1. With the exception SB-2, SB-4, and SB-16, the primary contaminants in groundwater are non-chlorinated VOCs. The solvent PCE was detected in three of the samples: SB-2, SB-4 and SB-16. The groundwater results indicate widespread non-chlorinated VOC groundwater contamination throughout the site with some isolated areas impacted by PCE.

Several metals were detected in groundwater samples; however, with two exceptions, the levels in all samples are below the groundwater standards. Lead was detected in two groundwater samples, SB-10 and SB-14 (39 and 32 ppb) slightly in exceedance of the TOGS 1.1.1 guidance value of 25 ppb. No SVOCs were detected in groundwater.

Groundwater sample results as compared to the NYSDEC TOGS 1.1.1 guidance values are provided in Table 3 and copies of the laboratory analytical reports are included in Appendix B. Groundwater contaminant concentration distribution on the site is also depicted in Figure 3.

4.0 CONCLUSIONS

Field screening and soil sampling analysis identified VOC impacts in several areas of the site and elevated SVOC and lead and barium in shallow soils at the former automobile salvage yard.

Groundwater sample results confirm a VOC contaminant plume on the site consistent with the soil screening and sampling results. The primary VOC contaminants on-site are substituted benzenes and other gasoline range aromatic hydrocarbons. The majority of the on-site VOC impacts to groundwater exist on the eastern and northern areas of the site.

There is currently an open NYSDEC spill case for the site (Spill # 09-06674) with an address of 650 Powell Street. This address corresponds to the building with the former benzene tanks. During this Phase II investigation, Chazen observed several recent wells and soil boring markings suggesting that there is currently an investigation ongoing by the current property owner. A Freedom of Information Law (FOIL) request specific to this spill and any tank closure and investigation documents was submitted to the NYSDEC on January 5, 2010. On January 21, 2010, the NYSDEC provided Chazen with the following: a copy of a 2000 Environmental Report of the site, a May 2009 ground penetrating radar (GPR) survey of the building at 650 Powell Street, and NYSDEC correspondence to the owner and owner's consultant regarding the removal of the eight tanks. Based on this information, the release was reported when impacted soil was discovered during removal activities of the eight benzene USTs in September 2009. According to the provided documents, the most recent correspondence between the NYSDEC and the owner's representative was on January 20, 2010. The NYSDEC required a tank closure and investigation report documenting site activities be provided, before a remediation strategy can be determined. On this date, the NYSDEC had provided comments to an investigation report submitted by the owner, and has requested report revisions. No copy of the draft tank closure/investigation report was provided. A copy of this information was also requested from the owner, and to date has not been provided.

The NYSDEC spill report notes also indicate that the NYSDEC is awaiting receipt of a tank closure report for two 3,000 gallon tanks at 114 New Lots Avenue (northeast corner of Area 3). According to Sanborn fire Insurance maps, the boiler room for the former dry cleaning facility was located in this building. The building at this location was not accessible to Chazen during the Phase I or Phase II investigations. A 2004 closure report documents the removal of a fuel oil UST beneath the sidewalk at this location; but no information was available indicating the presence of any other tanks within the building.

The volatile organic compound PCE, a common dry cleaning solvent and a solvent often used in metals degreasing was also detected at low levels in shallow soil from SB-2 and SB-4 and in groundwater from both of these locations. In addition, PCE was detected in groundwater at SB-16 at the southwestern corner of the site. The source of PCE is unknown, but could be related to on-site uses including dry cleaning and/or on-site automotive repair or salvaging operations. PCE is a chemical with a density greater than water and so often migrates vertically (sinks) in spill areas. As such, additional exploration of the deeper site aquifer conditions will be necessary to determine if a greater impact at depth has occurred.

Two SVOCs and metals lead and barium were detected in soil in exceedance of SCOs in SB-17 and SB-18 at the southwestern area of the site in the location of the former auto dismantling yard. Shallow soil samples were collected in these locations based on observed evidence of surficial soil staining and odors

during the field sampling program. Although, no deeper soil samples were analyzed from this location, these compounds were not elevated in groundwater suggesting that the impacts may be limited to shallow or surface soils. However, the levels of lead detected in these two shallow soil samples may, depending on site usage, indicate a condition that will require some level of remedial action to satisfy closure under NYSDEC regulatory programs.

It is possible that other contaminants or higher concentrations of known contaminants exist on areas of the site not investigated or in deeper soils/groundwater. Unidentified underground storage tanks, floor drains and other potential contaminant sources may also exist in areas which were inaccessible.

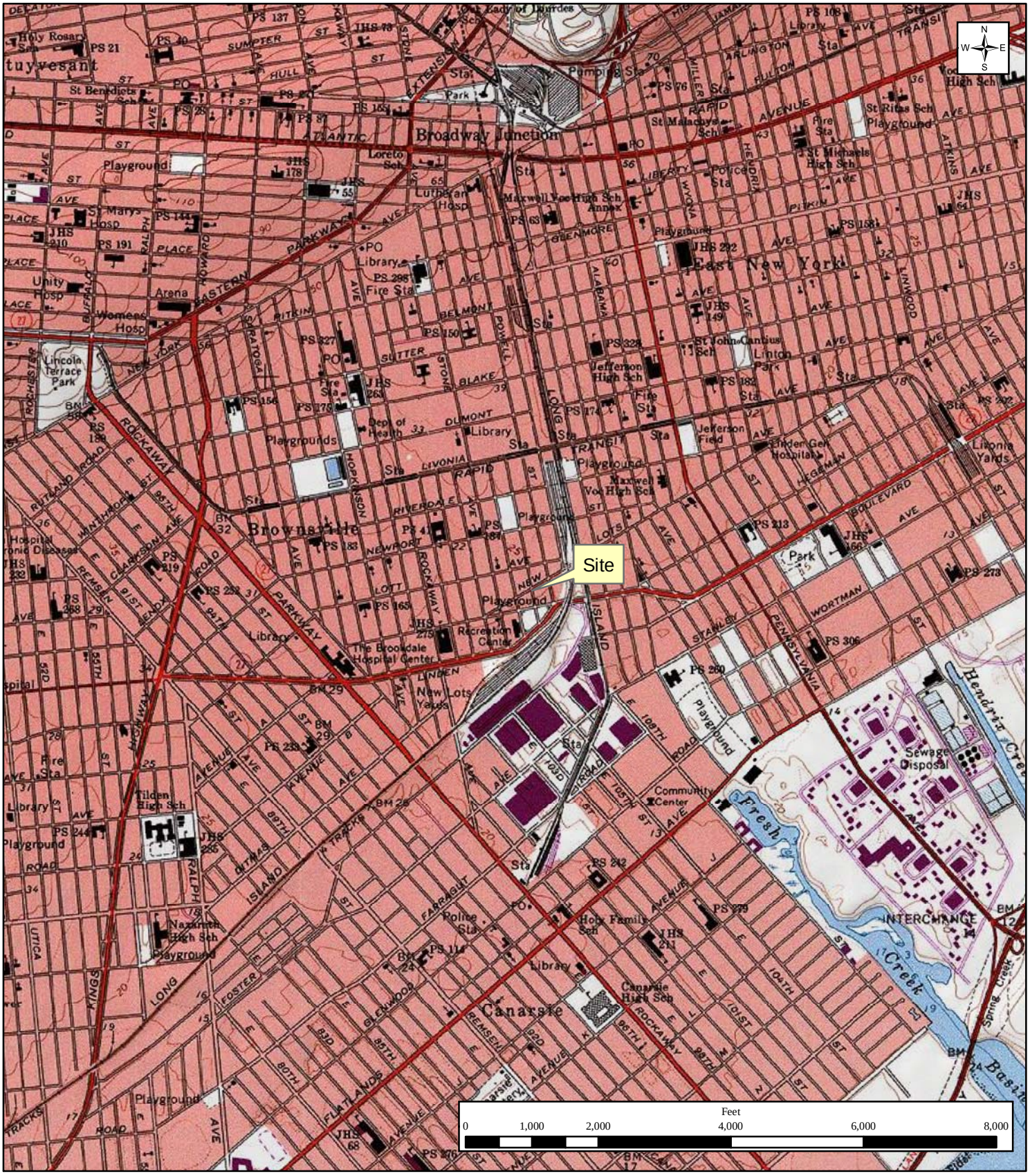
5.0 RECCOMENDATIONS

Based on the results of this Phase II investigation, subsurface soil and groundwater at several areas of the site are impacted by VOCs, and in some areas shallow soils are also impacted by SVOCs and metals. Site remediation may be required to redevelop this site. Additional investigation of the site would be necessary to determine the extent of on-site impacts as well as to determine if there are other potential on-site sources (tanks, drains, etc.) in areas which were inaccessible during this investigation, before an appropriate remediation strategy can be developed. Such additional investigation would require complete access of the site. Remediation and closure of the existing site spill cannot occur without the oversight of the NYSDEC. Because of VOC impacts to groundwater, there may also be a vapor intrusion issue in the current on-site buildings. Contaminated vapor migration may also impact future development of the site and mitigation of such would also require oversight of the New York State Department of Health.

The site owner is currently working with the NYSDEC to investigate the open spill at 650 Powell Street. Based on limited information provided by the NYSDEC, it appears that a final tank closure and investigation report has not yet been approved by the NYSDEC and no remediation strategy/agreement has yet been established. According to the site owner, remediation steps, including the removal of the eight tanks and impacted soils from within the building has occurred in response to this spill. The current owner also indicated that a soil boring and well investigation has occurred based on recommendations of the NYSDEC and that a remediation alternative is being developed. Given the extent of impacts identified during this initial Phase II investigation, it would be necessary to obtain a copy of the owner's report to determine if the level of effort already taken by the owner to address/investigate the open spill is adequate to delineate on-site impacts and to develop an appropriate remediation strategy.

If you decide to move forward with the purchase of this property, it is recommended that you notify the property owner of these investigation findings and request a copy of tank closure/investigation report of for the 650 Powell Street spill and any other site data that may pertain to the quality of site soil or groundwater or potential contaminant sources. We also recommend that you meet with the NYSDEC to discuss the site conditions in order to determine which remedial program best suits your goals for purchase and redevelopment of the site and to determine if you meet the necessary requirements to qualify as a volunteer in one of these programs. Chazen can coordinate meeting(s) with NYSDEC and present the investigation findings to the NYSDEC on your behalf.

Figures



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Linden Plaza

Figure 1: Site Location Map

Hegeman & New Lots Avenue
Borough of Brooklyn, Kings County, New York

Source: USGS Topographic Map of the Brooklyn, New York Quadrangle, Dated 1967 (Photorevised 1979), 7.5 -Minute Series, Brooklyn Quadrangle

Drawn:	EOB
Date:	January 2010
Scale:	1:24,000
Project:	20918.00
Figure:	1

● = Approximate Locations of Completed Soil Boring

▬ ▬ = Investigation Focus Areas

▬ = Areas inaccessible during Phase I ESA and/or Phase II Investigation

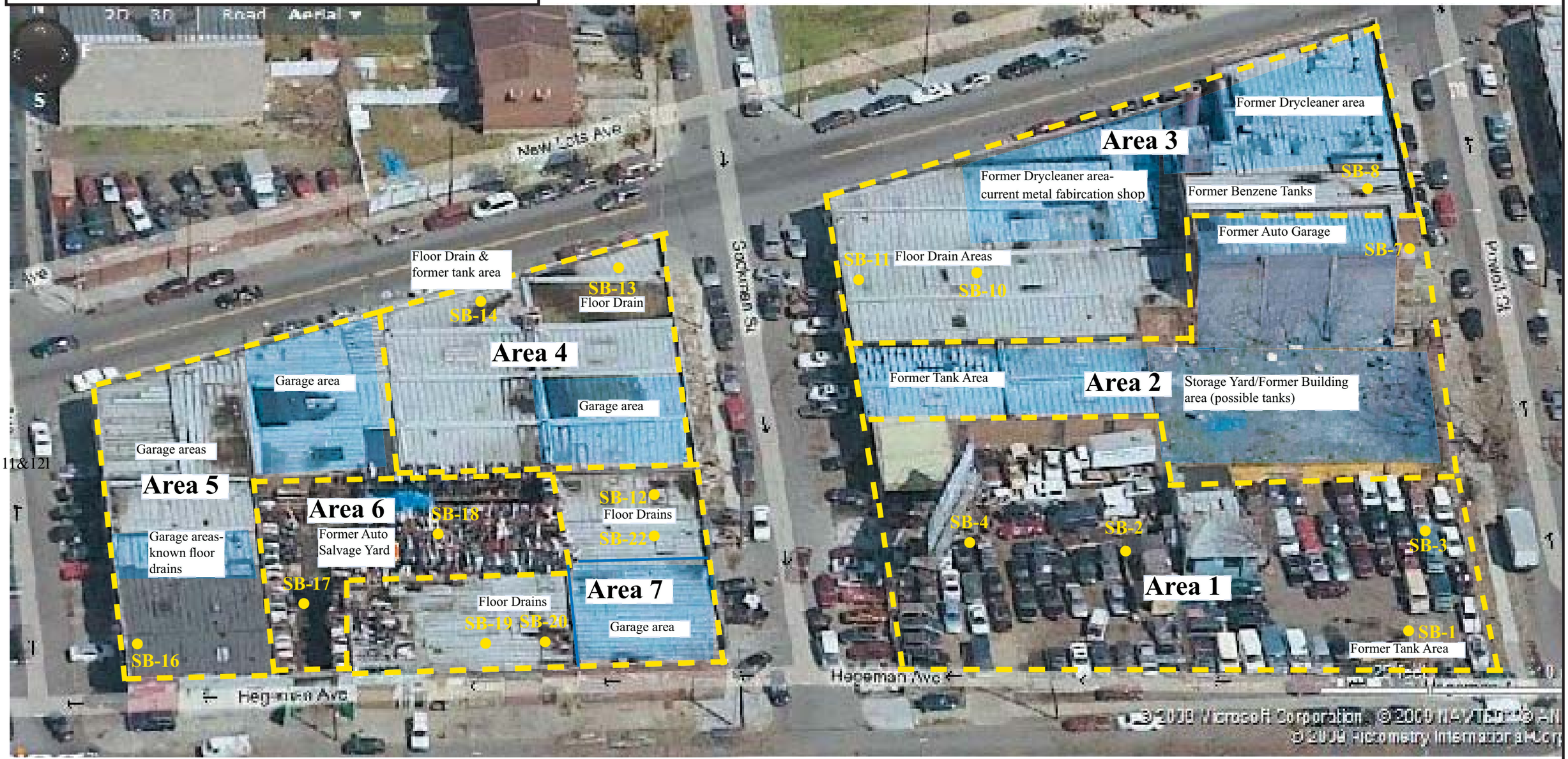

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FIGURE- 2:
Soil Boring Locations
Linden Plaza
Hegeman and New Lots Avenues
Borough of Brooklyn, Kings County, New York

Date: January 2010
Scale: Not to Scale
Project #: 20918.00

● = Approximate Locations of Completed Soil Boring

= Investigation Focus Areas

= Areas inaccessible during Phase I ESA and/or Phase II Investigation

SB-14	
Compound	**Result (ppb)**
1,2,4-TMB	3400
1,3,5-TMB	730
Ethylbenzene	3000
Naphthalene	810
n-propylebenzene	310
p&m-xylenes	4300
Lead	32

SB-10	
Compound	**Result (ppb)**
1,2,4-TMB	1700
1,3,5-TMB	450
Isopropylbenzene	71
n-butylbenzene	52
n-propylbenzene	150
p&m xylenes	59
p-isopropyltoluene	92
Naphthalene	15
Lead	39

SB-8	
Coumpound	**Result (ppb)**
1,2, 4 TMB	2500
Isopropylbenzene	150
n-propylbenzene	240
p&m xylenes130	

SB-7	
Compound	**Result (ppb)**
1,2,4 TMB	2700
1,3,5 TMB	550
Ethylbenzene	180
Isopropylbenzene	140
Naphthalene	260
n-butylbenzene	63
n-propylbenzene	250
p&m xylenes	900
p-isopropyltoluene	85

SB-11	
Compound	**Result (ppb)**
1,2,4-TMB	110
1,3,5-TMB	34
Isopropylbenzene	6
n-propylbenzene	10

SB-3	
Compound	**Result (ppb)**
1,2,4 TBM	700
Isopropylbenzene	88
Naphthalene	12

SB-4	
Compound	**Result (ppb)**
PCE	15

SB-2	
Compound	**Result (ppb)**
PCE	8

SB-16	
Compound	**Result (ppb)**
1,2,4-TMB	8
PCE	7

SB-1	
Compound	**Result (ppb)**
tert-butylbenzene	11

Area 1 Area 2 Area 3 Area 4 Area 5 Area 6 Area 7

SB-1 SB-2 SB-3 SB-4 SB-7 SB-8 SB-10 SB-11 SB-12 SB-13 SB-14 SB-16 SB-17 SB-18 SB-19 SB-20 SB-22

New Lots Ave Hegeman Ave Schenck Ave

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FIGURE- 3:
Soil Boring Locations with Groundwater Sample Exceedenecs above TOGS 1.1.1
Linden Plaza
Hegeman and New Lots Avenues
Borough of Brooklyn, Kings County, New York

Date: January 2010
Scale: Not to Scale
Project #: 20918.00

Tables

Table 1
Field GC- Soil Sample Results
Linden Plaza, Brooklyn, New York
(Results in ppb)

Tetrachloroethylene	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	4.0	17.5	1.9	150	3.0	168.1	9.9	4.1	n/a	nd	3.1	7.9	7.2	410.1	n/a	4.0	1.2
5'-10'	4.5	24.8	5.6	179.8	3.1	2428.0	nd	nd	78.5	nd	nd	nd	nd	nd	n/a	5.3	11.7
10'-15'	5.7	1.8	4589.3	268.0	nd	3465.6	nd	4.9	2.2	nd	nd	nd	1.8	nd	2.7	4.0	3.0
15'-20'	4.3	2.0	335.8	7.7	n/a	3832.3	n/a	nd	1.0	nd	1315.5	nd	nd	nd	2.4	0.5	1.7
M&P Xylenes	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	nd	0.9	nd	0.2	0.5	35.2	0.9	nd	n/a	4.9	8.8	1.2	1.1	150.5	n/a	nd	nd
5'-10'	1.3	nd	nd	nd	nd	342.9	0.8	nd	nd	2.2	52.2	nd	1.8	2.7	n/a	nd	6.1
10'-15'	nd	nd	494.6	nd	429.5	1387.1	0.5	nd	0.3	0.7	20.5	nd	0.9	1.9	nd	nd	nd
15'-20'	0.5	nd	349.5	nd	n/a	1378.3	n/a	nd	nd	nd	548.1	nd	0.4	6.9	0.3	nd	nd
O Xylenes	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	nd	0.1	nd	0.3	0.2	34.3	nd	nd	n/a	1.8	0.5	0.5	0.6	19.7	n/a	nd	15.6
5'-10'	nd	nd	nd	nd	nd	396.6	nd	0.3	nd	16.2	0.8	nd	nd	nd	n/a	nd	nd
10'-15'	nd	nd	998.7	nd	912.5	1716.1	nd	nd	nd	nd	nd	nd	0.4	nd	nd	nd	nd
15'-20'	0.4	nd	701.6	0.3	n/a	1967.8	n/a	nd	nd	nd	157.4	nd	nd	nd	nd	nd	nd
MTBE	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	0.5	nd	0.7	6.0	nd	nd	1.4	nd	n/a	nd	nd	nd	nd	nd	n/a	nd	nd
5'-10'	44.2	nd	nd	nd	0.6	61.0	nd	nd	nd	nd	nd	nd	nd	nd	n/a	nd	1.3
10'-15'	0.7	nd	2.0	6.1	4.9	146.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
15'-20'	2.5	nd	2.0	nd	n/a	nd	n/a	nd	0.7	nd	790.1	nd	nd	nd	nd	nd	0.6
Cis-1,2-Dichloroethylene	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	nd	7.1	nd	500	nd	nd	2.0	nd	n/a	nd	nd	nd	nd	nd	n/a	nd	nd
5'-10'	nd	1.7	nd	48.8	nd	103.4	nd	nd	nd	nd	nd	nd	nd	nd	n/a	nd	nd
10'-15'	nd	nd	2.6	120.5	nd	22.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
15'-20'	2.4	nd	nd	nd	n/a	nd	n/a	nd	nd	nd	580.9	nd	nd	nd	nd	nd	4.4
Trichloroethylene	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	nd	5.5	nd	225	nd	nd	nd	nd	n/a	nd	nd	nd	nd	286.3	n/a	nd	nd
5'-10'	nd	2.3	nd	nd	nd	3.8	nd	nd	nd	nd	nd	nd	nd	nd	n/a	nd	nd
10'-15'	nd	nd	5.3	33.4	2.0	3.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
15'-20'	nd	nd	nd	nd	n/a	nd	n/a	nd	nd	nd	751.0	nd	nd	nd	nd	nd	nd

Table 1
Field GC- Soil Sample Results
Linden Plaza, Brooklyn, New York
(Results in ppb)

Ethylbenzene	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	nd	0.3	nd	nd	nd	0.4	nd	nd	n/a	1.5	60.4	nd	0.5	nd	n/a	nd	nd
5'-10'	nd	nd	nd	nd	nd	26.2	nd	nd	nd	0.3	15.5	0.5	nd	nd	n/a	nd	nd
10'-15'	nd	nd	310.5	nd	166.0	3.1	nd	nd	nd	nd	4.0	nd	nd	nd	nd	nd	nd
15'-20'	nd	nd	152.1	nd	n/a	nd	n/a	nd	nd	64.7	1153.0	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	nd	3.3	nd	nd	26.2	844.6	0.8	nd	n/a	7.2	25.1	4.5	0.3	283.3	n/a	nd	nd
5'-10'	0.3	nd	0.2	nd	0.8	1924.0	0.5	nd	nd	3.4	129.2	nd	nd	0.5	n/a	nd	0.5
10'-15'	nd	nd	549.4	nd	620.4	3558.2	0.3	nd	nd	0.4	78.9	nd	0.3	0.6	nd	nd	0.3
15'-20'	1.5	nd	1811.6	nd	n/a	3138.8	n/a	nd	nd	0.3	949.9	nd	nd	0.5	nd	nd	0.7
1,3,5-Trimethylbenzene	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	nd	0.3	2.2	nd	8.3	1113.8	0.9	nd	n/a	3.7	21.3	0.9	0.9	168.3	n/a	nd	nd
5'-10'	nd	0.2	0.1	nd	1.2	2978.7	nd	nd	nd	2.7	67.4	nd	0.2	0.3	n/a	nd	3.8
10'-15'	nd	0.1	6470.0	nd	4975.4	3267.9	nd	nd	nd	nd	32.4	nd	0.3	0.3	nd	nd	nd
15'-20'	nd	1.0	2860.8	nd	n/a	2823.5	n/a	nd	nd	nd	924.1	nd	nd	0.4	nd	nd	nd
Naphthalene	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	nd	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	251.7	n/a	n/a	n/a	1.5	n/a	n/a	n/a
5'-10'	nd	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.6	37.7	n/a	n/a	n/a	n/a	n/a	n/a
10'-15'	nd	n/a	3.5	n/a	6.7	n/a	n/a	n/a	n/a	n/a	2.6	n/a	n/a	n/a	n/a	n/a	n/a
15'-20'	nd	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-7**	**SB-8**	**SB-10**	**SB-11**	**SB-12**	**SB-13**	**SB-14**	**SB-16**	**SB-17**	**SB-18**	**SB-19**	**SB-20**	**SB-22**
DEPTH																	
0-5'	nd	1.4	nd	nd	nd	nd	nd	nd	n/a	nd	1.6	nd	nd	110.5	n/a	nd	nd
5'-10'	nd	nd	nd	nd	nd	6.8	2.1	nd	nd	4.7	nd	1.1	nd	nd	n/a	nd	nd
10'-15'	nd	nd	53.1	nd	18.7	199.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
15'-20'	nd	nd	11.9	nd	n/a	nd	n/a	nd	nd	nd	328.5	nd	nd	nd	nd	nd	nd

n/a= sample was not analyzed
nd= compound was not detected

Table 2

Laboratory Analytical Results - Soil Samples

Linden Plaza, Brooklyn, NY

Sample ID		TAGM #4046 Cleanup Objective (ppb)	375 Unrestricted Use	SB-2	SB-4	SB-3
Sample Date				12/21/2009	12/22/2009	12/22/2009
Sample Depth				0-5'	0-5'	15-20'
Parameter				Results		
Volatiles EPA 8260	1,1,1,2-Tetrachloroethane	**	NS	ND	ND	ND
	1,1,1-Trichloroethane	800	NS	ND	ND	ND
	1,1,2,2-Tetrachloroethane	600	NS	ND	ND	ND
	1,1,2-Trichloroethane	**	NS	ND	ND	ND
	1,1-Dichloroethane	100	270	ND	ND	ND
	1,1-Dichloroethylene	400	330	ND	ND	ND
	1,1-Dichloropropylene	**	NS	ND	ND	ND
	1,2,3-Trichlorobenzene	**	NS	ND	ND	ND
	1,2,3-Trichloropropane	400	NS	ND	ND	ND
	1,2,3-Trimethylbenzene	**	NS	ND	ND	ND
	1,2,4-Trichlorobenzene	3,400	NS	ND	ND	ND
	1,2,4-Trimethylbenzene	10,000	3,600	ND	ND	**57,000**
	1,2-Dibromo-3-chloropropane	**	NS	ND	ND	ND
	1,2-Dibromoethane	**	NS	ND	ND	ND
	1,2-Dichlorobenzene	7,900	1,100	ND	ND	ND
	1,2-Dichloroethane	100	20	ND	ND	ND
	1,2-Dichloroethylene (Total)	300	NS	ND	130	ND
	1,2-Dichloropropane	**	NS	ND	ND	ND
	1,3,5-Trimethylbenzene	3,300	8,400	ND	ND	ND
	1,3-Dichlorobenzene	1,600	2,400	ND	ND	ND
	1,3-Dichloropropane	300	NS	ND	ND	ND
	1,4-Dichlorobenzene	8,500	1,800	ND	ND	ND
	1-Chlorohexane	**	NS	ND	ND	ND
	2,2-Dichloropropane	**	NS	ND	ND	ND
	2-Chlorotoluene	**	NS	ND	ND	ND
	4-Chlorotoluene	**	NS	ND	ND	ND
	Benzene	60	60	ND	ND	ND
	Bromobenzene	**	NS	ND	ND	ND

Table 2

Laboratory Analytical Results - Soil Samples

Linden Plaza, Brooklyn, NY

Sample ID		TAGM #4046 Cleanup Objective (ppb)	375 Unrestricted Use	SB-2	SB-4	SB-3
Sample Date				12/21/2009	12/22/2009	12/22/2009
Sample Depth				0-5'	0-5'	15-20'
Parameter				Results		
Volatiles EPA 8260	Bromochloromethane	**	NS	ND	ND	ND
	Bromodichloromethane	**	NS	ND	ND	ND
	Bromoform	**	NS	ND	ND	ND
	Bromomethane	**	NS	ND	ND	ND
	Carbon Tetrachloride	600	760	ND	ND	ND
	Chlorobenzene	1,700	1,100	ND	ND	ND
	Chloroethane	1,900	NS	ND	ND	ND
	Chloroform	300	370	ND	ND	ND
	Chloromethane	**	NS	ND	ND	ND
	cis-1,3-Dichloropropylene	**	NS	ND	ND	ND
	Dibromochloromethane	NA	NS	ND	ND	ND
	Dibromomethane	**	NS	ND	ND	ND
	Dichlorodifluoromethane	**	NS	ND	ND	ND
	Ethylbenzene	5,500	1,000	ND	ND	ND
	Hexachlorobutadiene	**	330	ND	ND	ND
	Isopropylbenzene	2,300	NS	ND	ND	**2,400**
	Methyl tert-butyl ether (MTBE)	120	930	ND	ND	ND
	Methylene chloride	100	50	ND	ND	ND
	Naphthalene	13,000	NS	18	ND	940
	n-Butylbenzene	10,000	NS	ND	ND	7800
	n-Propylbenzene	3,700	3,900	ND	ND	**6200**
	o-Xylene	1,200 (total)	260	ND	ND	ND
	p-&m-Xylenes	1,200 (total)	NS	ND	26	1200
	p-Isopropyltoluene	10,000	NS	ND	ND	6800
	sec-Butylbenzene	10,000	11,000	ND	ND	5400
	Styrene	**	NS	ND	ND	ND
	tert-Butylbenzene	10,000	5,900	ND	ND	790

Table 2

Laboratory Analytical Results - Soil Samples

Linden Plaza, Brooklyn, NY

Sample ID		TAGM #4046 Cleanup Objective (ppb)	375 Unrestricted Use	SB-2	SB-4	SB-3
Sample Date				12/21/2009	12/22/2009	12/22/2009
Sample Depth				0-5'	0-5'	15-20'
Parameter				Results		
Volatiles EPA 8260	Tetrachloroethylene	1,400	1,300	59	49	ND
	Toluene	1,500	700	ND	44	ND
	trans-1,3-Dichloropropylene	**	NS	ND	ND	ND
	Trichloroethylene	700	470	ND	68	ND
	Trichlorofluoromethane	**	NS	ND	ND	ND
	Vinyl chloride	200	20	ND	ND	ND
Semi-Volatiles EPA 8270	Acenaphthene	50,000	20,000	ND	ND	ND
	Acenaphthylene	50,000	100,000	ND	ND	ND
	Anthracene	50,000	100,000	ND	ND	ND
	Benzo(a)anthracene	224 or MDL	1000	920	920	ND
	Benzo(a)pyrene	61 or MDL	1000	860	ND	ND
	Benzo(b)fluoranthene	220 or MDL	1000	860	ND	ND
	Benzo(g,h,i)perylene	50,000	100000	550	ND	ND
	Benzo(k)fluoranthene	220 or MDL	800	**920**	ND	ND
	Chyrsene	400	1000	980	980	ND
	Dibenz(a,h)anthracene	14 or MDL	330	ND	ND	ND
	Fluoranthene	50,000	100,000	1600	2300	ND
	Fluorene	50,000	30,000	ND	ND	ND
	Indeno(1,2,3-cd)pyrene	3,200	500	490	ND	ND
	Naphthalene	13,000	12,000	ND	ND	1300
	Phenanthrene	50,000	100,000	1200	2200	ND
	Pyrene	50,000	100,000	1700	1900	ND

Table 2

Laboratory Analytical Results - Soil Samples

Linden Plaza, Brooklyn, NY

Sample ID			TAGM #4046 Cleanup Objective (ppb)	375 Unrestricted Use	SB-2	SB-4	SB-3
Sample Date					12/21/2009	12/22/2009	12/22/2009
Sample Depth					0-5'	0-5'	15-20'
Parameter					Results		
Metals		Reccomended Soil Ceanup Objective	Common Eastern USA Background Levels				
	Arsenic	7.5 or SB	3-12	13	5.44	4.9	1.15
	Barium	300 or SB	15-600	350	194	214	16.2
	Cadmium	1 or SB	0.1-1	2.5	0.84	0.81	ND
	Chromium	10 or SB	1.5-40	30	15.8	13.3	6.46
	Lead	SB*	*	63	186	284	3.52
	Selenium	2 or SB	0.1-3.9	ND	ND	ND	ND
	Silver	SB	NA	ND	ND	ND	ND
	Mercury	0.1	0.001-0.2	ND	ND	ND	ND

ppm = parts per million; ppb = parts per billion

ND = compound was not detected at a concentration equal to or greater than the laboratory determined minimum detectedable limit.

NS = No regulatory standard exists for this compound

SB = site background concentration

* Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61ppm. Average background levels in metropolitan or suburban areas, or near highways are much higher and typically range from 200-500ppm

** As per TAGM #4046, individual and sum of VOC's < 10,000ppb; individual SVOCs <50,000 ppb, total SVOS <500,000 ppb.

Results that exceed TAGM #4046 and Part 375 Unresricted Use standards have been shaded

Table 2

Laboratory Analytical Results - Soil Samples

Linden Plaza, Brooklyn, NY

	Sample ID	TAGM #4046 Cleanup Objective (ppb)	375 Unrestricted Use	SB-3	SB-8	SB-17	SB-18
	Sample Date			12/22/2009	12/22/2009	12/24/2009	12/24/2009
	Sample Depth			10-15'	15-20'	0-5'	0-5'
	Parameter			Results			
Volatiles EPA 8260	1,1,1,2-Tetrachloroethane	**	NS	ND	ND	ND	ND
	1,1,1-Trichloroethane	800	NS	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	600	NS	ND	ND	ND	ND
	1,1,2-Trichloroethane	**	NS	ND	ND	ND	ND
	1,1-Dichloroethane	100	270	ND	ND	ND	ND
	1,1-Dichloroethylene	400	330	ND	ND	ND	ND
	1,1-Dichloropropylene	**	NS	ND	ND	ND	ND
	1,2,3-Trichlorobenzene	**	NS	ND	ND	ND	ND
	1,2,3-Trichloropropane	400	NS	ND	ND	ND	ND
	1,2,3-Trimethylbenzene	**	NS	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	3,400	NS	ND	ND	ND	ND
	1,2,4-Trimethylbenzene	10,000	3,600	**60000**	**80000**	ND	930
	1,2-Dibromo-3-chloropropane	**	NS	ND	ND	ND	ND
	1,2-Dibromoethane	**	NS	ND	ND	ND	ND
	1,2-Dichlorobenzene	7,900	1,100	ND	ND	ND	ND
	1,2-Dichloroethane	100	20	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)	300	NS	ND	ND	ND	ND
	1,2-Dichloropropane	**	NS	ND	ND	ND	ND
	1,3,5-Trimethylbenzene	3,300	8,400	**18000**	**9800**	ND	280
	1,3-Dichlorobenzene	1,600	2,400	ND	ND	ND	ND
	1,3-Dichloropropane	300	NS	ND	ND	ND	ND
	1,4-Dichlorobenzene	8,500	1,800	ND	ND	ND	ND
	1-Chlorohexane	**	NS	ND	ND	ND	ND
	2,2-Dichloropropane	**	NS	ND	ND	ND	ND
	2-Chlorotoluene	**	NS	ND	ND	ND	ND
	4-Chlorotoluene	**	NS	ND	ND	ND	ND
	Benzene	60	60	ND	ND	ND	ND
	Bromobenzene	**	NS	ND	ND	ND	ND

Table 2

Laboratory Analytical Results - Soil Samples

Linden Plaza, Brooklyn, NY

Sample ID		TAGM #4046 Cleanup Objective (ppb)	375 Unrestricted Use	SB-3	SB-8	SB-17	SB-18
Sample Date				12/22/2009	12/22/2009	12/24/2009	12/24/2009
Sample Depth				10-15'	15-20'	0-5'	0-5'
Parameter				Results			
Volatiles EPA 8260	Bromochloromethane	**	NS	ND	ND	ND	ND
	Bromodichloromethane	**	NS	ND	ND	ND	ND
	Bromoform	**	NS	ND	ND	ND	ND
	Bromomethane	**	NS	ND	ND	ND	ND
	Carbon Tetrachloride	600	760	ND	ND	ND	ND
	Chlorobenzene	1,700	1,100	ND	ND	ND	ND
	Chloroethane	1,900	NS	ND	ND	ND	ND
	Chloroform	300	370	ND	ND	ND	ND
	Chloromethane	**	NS	ND	ND	ND	ND
	cis-1,3-Dichloropropylene	**	NS	ND	ND	ND	ND
	Dibromochloromethane	NA	NS	ND	ND	ND	ND
	Dibromomethane	**	NS	ND	ND	ND	ND
	Dichlorodifluoromethane	**	NS	ND	ND	ND	ND
	Ethylbenzene	5,500	1,000	ND	ND	ND	230
	Hexachlorobutadiene	**	330	ND	ND	ND	
	Isopropylbenzene	2,300	NS	**2100**	**4900**	ND	56
	Methyl tert-butyl ether (MTBE)	120	930	ND	ND	ND	ND
	Methylene chloride	100	50	ND	ND	ND	ND
	Naphthalene	13,000	NS	2800	8700	ND	550
	n-Butylbenzene	10,000	NS	**11000**	**12000**	ND	100
	n-Propylbenzene	3,700	3,900	**6100**	**13000**	ND	170
	o-Xylene	1,200 (total)	260	ND	ND	ND	ND
	p-&m-Xylenes	1,200 (total)	NS	**1600**	**3200**	ND	ND
	p-Isopropyltoluene	10,000	NS	**8500**	ND	ND	ND
	sec-Butylbenzene	10,000	11,000	6000	8200	ND	ND
	Styrene	**	NS	ND	ND	ND	ND
	tert-Butylbenzene	10,000	5,900	1000	ND	ND	110

Table 2

Laboratory Analytical Results - Soil Samples

Linden Plaza, Brooklyn, NY

	Sample ID	TAGM #4046 Cleanup Objective (ppb)	375 Unrestricted Use	SB-3	SB-8	SB-17	SB-18
	Sample Date			12/22/2009	12/22/2009	12/24/2009	12/24/2009
	Sample Depth			10-15'	15-20'	0-5'	0-5'
	Parameter			Results			
Volatiles EPA 8260	Tetrachloroethylene	1,400	1,300	ND	ND	ND	ND
	Toluene	1,500	700	ND	ND	ND	ND
	trans-1,3-Dichloropropylene	**	NS	ND	ND	ND	ND
	Trichloroethylene	700	470	ND	ND	ND	ND
	Trichlorofluoromethane	**	NS	ND	ND	ND	ND
	Vinyl chloride	200	20	ND	ND	ND	ND
Semi-Volatiles EPA 8270	Acenaphthene	50,000	20,000	ND	ND	ND	ND
	Acenaphthylene	50,000	100,000	ND	ND	ND	ND
	Anthracene	50,000	100,000	ND	ND	ND	ND
	Benzo(a)anthracene	224 or MDL	1000	ND	ND	**1600**	ND
	Benzo(a)pyrene	61 or MDL	1000	ND	ND	ND	ND
	Benzo(b)fluoranthene	220 or MDL	1000	ND	ND	ND	ND
	Benzo(g,h,i)perylene	50,000	100000	ND	ND	ND	ND
	Benzo(k)fluoranthene	220 or MDL	800	ND	ND	ND	ND
	Chyrsene	400	1000	ND	ND	**1800**	ND
	Dibenz(a,h)anthracene	14 or MDL	330	ND	ND	ND	ND
	Fluoranthene	50,000	100,000	ND	ND	4000	ND
	Fluorene	50,000	30,000	ND	ND	ND	ND
	Indeno(1,2,3-cd)pyrene	3,200	500	ND	ND	ND	ND
	Naphthalene	13,000	12,000	ND	ND	ND	ND
	Phenanthrene	50,000	100,000	ND	ND	4000	ND
	Pyrene	50,000	100,000	ND	ND	4000	ND

Table 2

Laboratory Analytical Results - Soil Samples

Linden Plaza, Brooklyn, NY

Sample ID			**TAGM #4046 Cleanup Objective (ppb)**	**375 Unrestricted Use**	**SB-3**	**SB-8**	**SB-17**	**SB-18**
Sample Date					**12/22/2009**	**12/22/2009**	**12/24/2009**	**12/24/2009**
Sample Depth					**10-15'**	**15-20'**	**0-5'**	**0-5'**
Parameter					**Results**			
		Reccomended Soil Ceanup Objective	Common Eastern USA Background Levels					
Metals	Arsenic	7.5 or SB	3-12	13	ND	ND	14.2	7.28
	Barium	300 or SB	15-600	350	ND	ND	**1310**	**635**
	Cadmium	1 or SB	0.1-1	2.5	ND	ND	13.2	3.97
	Chromium	10 or SB	1.5-40	30	ND	ND	39.3	16.4
	Lead	SB*	*	63	ND	ND	**2600**	**666**
	Selenium	2 or SB	0.1-3.9	ND	ND	ND	ND	ND
	Silver	SB	NA	ND	ND	ND	ND	ND
	Mercury	0.1	0.001-0.2	ND	ND	ND	ND	ND

ppm = parts per million; ppb = parts per billion

ND = compound was not detected at a concentration equal to or greater than the laboratory determined minimum detectedable limit.

NS = No regulatory standard exists for this compound

SB = site background concentration

* Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61ppm. Average backgrour

or near highways are much higher and typically range from 200-500ppm

** As per TAGM #4046, individual and sum of VOC's < 10,000ppb; individual SVOCs <50,000 ppb, total SVOS <500,000 ppb.

Results that exceed TAGM #4046 and Part 375 Unresricted Use standards have been shaded

Table 3
Laboratory Analytical Results-Groundwater Samples
Linden Plaza, Brooklyn, NY

Sample ID			SB-1	SB-2	SB-3	SB-4	SB-7	SB-8
Sample Date			12/22/2009	12/21/2009	12/22/2009	12/22/2009	12/22/2009	12/22/2009
Parameter		Groundwater Standard (TOGS 1.1.1) (ppb)	Results (ppb)					
Volatiles EPA 8260	1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethylene	5	ND	ND	ND	ND	ND	ND
	1,1-Dichloropropylene	5	ND	ND	ND	ND	ND	ND
	1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
	1,2,4-Trimethylbenzene	5	ND	ND	**700**	ND	**2700**	**2500**
	1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	5	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)	5	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	**550**	ND
	1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
	1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
	1-Chlorohexane	5	ND	ND	ND	ND	ND	ND
	2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND
	2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND
	4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND
	Benzene	1	ND	ND	ND	ND	ND	ND
	Bromobenzene	5	ND	ND	ND	ND	ND	ND
	Bromochloromethane	5	ND	ND	ND	ND	ND	ND

Table 3

Laboratory Analytical Results-Groundwater Samples

Linden Plaza, Brooklyn, NY

Sample ID			SB-1	SB-2	SB-3	SB-4	SB-7	SB-8
Sample Date			12/22/2009	12/21/2009	12/22/2009	12/22/2009	12/22/2009	12/22/2009
Parameter		Groundwater Standard (TOGS 1.1.1) (ppb)	Results (ppb)					
Volatiles EPA 8260	Bromodichloromethane	50	ND	ND	ND	ND	ND	ND
	Bromoform	50	ND	ND	ND	ND	ND	ND
	Bromomethane	5	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND
	Chlorobenzene	5	ND	ND	ND	ND	ND	ND
	Chloroethane	5	ND	ND	ND	ND	ND	ND
	Chloroform	7	ND	ND	ND	ND	ND	ND
	Chloromethane	5	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropylene	5	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	50	ND	ND	ND	ND	ND	ND
	Dibromomethane	5	ND	ND	ND	ND	ND	ND
	Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND
	Ethylbenzene	5	ND	ND	ND	ND	**180**	ND
	Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
	Isopropylbenzene	5	ND	ND	**88**	ND	**140**	**150**
	Methyl tert-butyl ether (MTBE)	10	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	ND	ND	ND	ND	ND	ND
	Naphthalene	10	ND	ND	**12**	ND	**260**	ND
	n-Butylbenzene	5	ND	ND	ND	ND	**63**	ND
	n-Propylbenzene	5	ND	ND	**110**	ND	**250**	**240**
	o-Xylene	5	ND	ND	ND	ND	ND	ND
	p-&m-Xylenes	5	ND	ND	ND	ND	**900**	**130**
	p-Isopropyltoluene	5	ND	ND	ND	ND	**85**	ND
	sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
	Styrene	5	ND	ND	ND	ND	ND	ND
	tert-Butylbenzene	5	**11**	ND	ND	ND	ND	ND
	Tetrachloroethylene	5	ND	**8**	ND	**15**	ND	ND
	Toluene	5	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropylene	5	ND	ND	ND	ND	ND	ND
	Trichloroethylene	5	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	ND	ND	ND	ND	ND	ND

Table 3

Laboratory Analytical Results-Groundwater Samples

Linden Plaza, Brooklyn, NY

Sample ID			SB-1	SB-2	SB-3	SB-4	SB-7	SB-8
Sample Date			12/22/2009	12/21/2009	12/22/2009	12/22/2009	12/22/2009	12/22/2009
Parameter		Groundwater Standard (TOGS 1.1.1) (ppb)	Results (ppb)					
Semi-Volatiles EPA 8270	Acenaphthene	20	ND	ND	ND	ND	ND	ND
	Acenaphthylene	5*	ND	ND	ND	ND	ND	ND
	Anthracene	50	ND	ND	ND	ND	ND	ND
	Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	MDL	ND	ND	ND	ND	ND	ND
	Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
	Benzo(g,h,i)perylene	NA	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
	Chyrsene	0.002	ND	ND	ND	ND	ND	ND
	Dibenz(a,h)anthracene	5*	ND	ND	ND	ND	ND	ND
	Fluoranthene	50	ND	ND	ND	ND	ND	ND
	Fluorene	50	ND	ND	ND	ND	ND	ND
	Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
	Naphthalene	10	ND	ND	ND	ND	**120**	**50**
	Phenanthrene	50	ND	ND	ND	ND	ND	ND
	Pyrene	50	ND	ND	ND	ND	ND	ND
Metals	Arsenic	25	ND	ND	ND	ND	ND	ND
	Barium	1000	98	51	104	59	137	152
	Cadmium	5	ND	ND	ND	ND	ND	ND
	Chromium	50	ND	ND	ND	ND	ND	ND
	Lead	25	ND	ND	ND	ND	ND	ND
	Selenium	none	ND	ND	ND	ND	ND	ND
	Silver	10	ND	ND	ND	ND	ND	ND
	Mercury	2000	ND	ND	ND	ND	ND	ND

ppm = parts per million; ppb = parts per billion

ND = compound was not detected at a concentration equal to or greater than the laboratory determined minimum detectedable limit.

NS = No regulatory standard exists for this compound

Results that exceed TOGS 1.1.1 have been shaded

Table 3
Laboratory Analytical Results-Groundwater Samples
Linden Plaza, Brooklyn, NY

Sample ID			SB-10	SB-11	SB-12	SB-13	SB-14	SB-16
Sample Date			12/23/2009	12/23/2009	12/21/2009	12/23/2009	12/23/2009	12/23/2009
Parameter		Groundwater Standard (TOGS 1.1.1) (ppb)	Results (ppb)					
Volatiles EPA 8260	1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethylene	5	ND	ND	ND	ND	ND	ND
	1,1-Dichloropropylene	5	ND	ND	ND	ND	ND	ND
	1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
	1,2,4-Trimethylbenzene	5	**1700**	**110**	ND	ND	**3400**	**8**
	1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	5	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)	5	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene	5	**450**	**34**	ND	ND	**730**	ND
	1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
	1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
	1-Chlorohexane	5	ND	ND	ND	ND	ND	ND
	2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND
	2-Chlorotoluene	5	ND	ND	ND	ND	ND	ND
	4-Chlorotoluene	5	ND	ND	ND	ND	ND	ND
	Benzene	1	ND	ND	ND	ND	ND	ND
	Bromobenzene	5	ND	ND	ND	ND	ND	ND
	Bromochloromethane	5	ND	ND	ND	ND	ND	ND

Table 3
Laboratory Analytical Results-Groundwater Samples
Linden Plaza, Brooklyn, NY

Sample ID			SB-10	SB-11	SB-12	SB-13	SB-14	SB-16
Sample Date			12/23/2009	12/23/2009	12/21/2009	12/23/2009	12/23/2009	12/23/2009
Parameter		Groundwater Standard (TOGS 1.1.1) (ppb)	Results (ppb)					
Volatiles EPA 8260	Bromodichloromethane	50	ND	ND	ND	ND	ND	ND
	Bromoform	50	ND	ND	ND	ND	ND	ND
	Bromomethane	5	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND
	Chlorobenzene	5	ND	ND	ND	ND	ND	ND
	Chloroethane	5	ND	ND	ND	ND	ND	ND
	Chloroform	7	ND	ND	ND	ND	ND	ND
	Chloromethane	5	ND	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropylene	5	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	50	ND	ND	ND	ND	ND	ND
	Dibromomethane	5	ND	ND	ND	ND	ND	ND
	Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND
	Ethylbenzene	5	ND	ND	ND	ND	**3000**	ND
	Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
	Isopropylbenzene	5	**71**	**6**	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)	10	ND	ND	ND	ND	ND	ND
	Methylene chloride	5	ND	ND	ND	ND	ND	ND
	Naphthalene	10	ND	ND	ND	ND	**810**	ND
	n-Butylbenzene	5	**52**	ND	ND	ND	ND	ND
	n-Propylbenzene	5	**150**	**10**	ND	ND	**310**	ND
	o-Xylene	5	ND	ND	ND	ND	ND	ND
	p-&m-Xylenes	5	**59**	ND	ND	ND	**4300**	ND
	p-Isopropyltoluene	5	**92**	ND	ND	ND	ND	ND
	sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
	Styrene	5	ND	ND	ND	ND	ND	ND
	tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	5	ND	ND	ND	ND	ND	**7**
	Toluene	5	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropylene	5	ND	ND	ND	ND	ND	ND
	Trichloroethylene	5	ND	ND	ND	ND	ND	ND
	Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND
	Vinyl chloride	2	ND	ND	ND	ND	ND	ND

Table 3

Laboratory Analytical Results-Groundwater Samples

Linden Plaza, Brooklyn, NY

Sample ID			SB-10	SB-11	SB-12	SB-13	SB-14	SB-16
Sample Date			12/23/2009	12/23/2009	12/21/2009	12/23/2009	12/23/2009	12/23/2009
Parameter		Groundwater Standard (TOGS 1.1.1) (ppb)	Results (ppb)					
Semi-Volatiles EPA 8270	Acenaphthene	20	ND	ND	ND	ND	ND	ND
	Acenaphthylene	5*	ND	ND	ND	ND	ND	ND
	Anthracene	50	ND	ND	ND	ND	ND	ND
	Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	MDL	ND	ND	ND	ND	ND	ND
	Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
	Benzo(g,h,i)perylene	NA	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
	Chyrsene	0.002	ND	ND	ND	ND	ND	ND
	Dibenz(a,h)anthracene	5*	ND	ND	ND	ND	ND	ND
	Fluoranthene	50	ND	ND	ND	ND	ND	ND
	Fluorene	50	ND	ND	ND	ND	ND	ND
	Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
	Naphthalene	10	**15**	ND	ND	ND	**530**	ND
	Phenanthrene	50	ND	ND	ND	ND	ND	ND
	Pyrene	50	ND	ND	ND	ND	ND	ND
Metals	Arsenic	25	ND	ND	ND	ND	ND	ND
	Barium	1000	162	128	148	67	117	108
	Cadmium	5	ND	ND	ND	ND	ND	ND
	Chromium	50	46	ND	14	ND	ND	ND
	Lead	25	**39**	ND	5	ND	**32**	ND
	Selenium	none	ND	ND	ND	ND	ND	ND
	Silver	10	ND	ND	ND	ND	ND	ND
	Mercury	2000	ND	ND	ND	ND	ND	ND

ppm = parts per million; ppb = parts per billion

ND = compound was not detected at a concentration equal to or greater than the lab

NS = No regulatory standard exists for this compound

Results that exceed TOGS 1.1.1 have been shaded

Table 3

Laboratory Analytical Results-Groundwater Samples

Linden Plaza, Brooklyn, NY

Sample ID			SB-17	SB-18	SB-19	SB-20	SB-22
Sample Date			12/24/2009	12/24/2009	12/21/2009	12/21/2009	12/23/2009
Parameter		Groundwater Standard (TOGS 1.1.1) (ppb)	Results (ppb)				
Volatiles EPA 8260	1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
	1,1-Dichloroethane	0.6	ND	ND	ND	ND	ND
	1,1-Dichloroethylene	5	ND	ND	ND	ND	ND
	1,1-Dichloropropylene	5	ND	ND	ND	ND	ND
	1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND
	1,2,3-Trimethylbenzene	5	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND
	1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND
	1,2-Dibromoethane	5	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND
	1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
	1,2-Dichloroethylene (Total)	5	ND	ND	ND	ND	ND
	1,2-Dichloropropane	1	ND	ND	ND	ND	ND
	1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND
	1,3-Dichloropropane	5	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND
	1-Chlorohexane	5	ND	ND	ND	ND	ND
	2,2-Dichloropropane	5	ND	ND	ND	ND	ND
	2-Chlorotoluene	5	ND	ND	ND	ND	ND
	4-Chlorotoluene	5	ND	ND	ND	ND	ND
	Benzene	1	ND	ND	ND	ND	ND
	Bromobenzene	5	ND	ND	ND	ND	ND
	Bromochloromethane	5	ND	ND	ND	ND	ND

Table 3

Laboratory Analytical Results-Groundwater Samples

Linden Plaza, Brooklyn, NY

Sample ID			SB-17	SB-18	SB-19	SB-20	SB-22
Sample Date			12/24/2009	12/24/2009	12/21/2009	12/21/2009	12/23/2009
Parameter		Groundwater Standard (TOGS 1.1.1) (ppb)	Results (ppb)				
Volatiles EPA 8260	Bromodichloromethane	50	ND	ND	ND	ND	ND
	Bromoform	50	ND	ND	ND	ND	ND
	Bromomethane	5	ND	ND	ND	ND	ND
	Carbon Tetrachloride	5	ND	ND	ND	ND	ND
	Chlorobenzene	5	ND	ND	ND	ND	ND
	Chloroethane	5	ND	ND	ND	ND	ND
	Chloroform	7	ND	ND	ND	ND	ND
	Chloromethane	5	ND	ND	ND	ND	ND
	cis-1,3-Dichloropropylene	5	ND	ND	ND	ND	ND
	Dibromochloromethane	50	ND	ND	ND	ND	ND
	Dibromomethane	5	ND	ND	ND	ND	ND
	Dichlorodifluoromethane	5	ND	ND	ND	ND	ND
	Ethylbenzene	5	ND	ND	ND	ND	ND
	Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND
	Isopropylbenzene	5	ND	ND	ND	ND	ND
	Methyl tert-butyl ether (MTBE)	10	ND	ND	ND	ND	ND
	Methylene chloride	5	ND	ND	ND	ND	ND
	Naphthalene	10	ND	ND	ND	ND	ND
	n-Butylbenzene	5	ND	ND	ND	ND	ND
	n-Propylbenzene	5	ND	ND	ND	ND	ND
	o-Xylene	5	ND	ND	ND	ND	ND
	p-&m-Xylenes	5	ND	ND	ND	ND	ND
	p-Isopropyltoluene	5	ND	ND	ND	ND	ND
	sec-Butylbenzene	5	ND	ND	ND	ND	ND
	Styrene	5	ND	ND	ND	ND	ND
	tert-Butylbenzene	5	ND	ND	ND	ND	ND
	Tetrachloroethylene	5	ND	ND	ND	ND	ND
	Toluene	5	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropylene	5	ND	ND	ND	ND	ND
	Trichloroethylene	5	ND	ND	ND	ND	ND
	Trichlorofluoromethane	5	ND	ND	ND	ND	ND
	Vinyl chloride	2	ND	ND	ND	ND	ND

Table 3

Laboratory Analytical Results-Groundwater Samples

Linden Plaza, Brooklyn, NY

Sample ID			SB-17	SB-18	SB-19	SB-20	SB-22
Sample Date			12/24/2009	12/24/2009	12/21/2009	12/21/2009	12/23/2009
Parameter		Groundwater Standard (TOGS 1.1.1) (ppb)	Results (ppb)				
Semi-Volatiles EPA 8270	Acenaphthene	20	ND	ND	ND	ND	ND
	Acenaphthylene	5*	ND	ND	ND	ND	ND
	Anthracene	50	ND	ND	ND	ND	ND
	Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND
	Benzo(a)pyrene	MDL	ND	ND	ND	ND	ND
	Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND
	Benzo(g,h,i)perylene	NA	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND
	Chyrsene	0.002	ND	ND	ND	ND	ND
	Dibenz(a,h)anthracene	5*	ND	ND	ND	ND	ND
	Fluoranthene	50	ND	ND	ND	ND	ND
	Fluorene	50	ND	ND	ND	ND	ND
	Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND
	Naphthalene	10	ND	ND	ND	ND	ND
	Phenanthrene	50	ND	ND	ND	ND	ND
	Pyrene	50	ND	ND	ND	ND	ND
Metals	Arsenic	25	ND	ND	ND	ND	ND
	Barium	1000	85	101	83	142	93
	Cadmium	5	ND	ND	ND	ND	ND
	Chromium	50	ND	ND	ND	14	ND
	Lead	25	ND	ND	7	4	ND
	Selenium	none	ND	ND	ND	ND	ND
	Silver	10	ND	ND	ND	ND	ND
	Mercury	2000	ND	ND	ND	ND	ND

ppm = parts per million; ppb = parts per billion

ND = compound was not detected at a concentration equal to or greater than the lab

NS = No regulatory standard exists for this compound

Results that exceed TOGS 1.1.1 have been shaded

APPENDIX A

Soil Boring/Well Logs

TEST BORING AND WELL LOG

THE Chazen COMPANIES **21 Fox Street** **Poughkeepsie, NY** **12601**	**PROJECT:** Linden Plaza Phase II ESA **LOCATION:** Hegeman and New Lots Aves, Brooklyn, NY **CLIENT:** Church of God of East Flatbush **PROJECT NO.:** 20918.00 Task 0200		**Test Boring No.:** **SB-1** **Total Depth:** 20 ft.
Contractor: Aquifer Drilling and Testing **Drill Rig:** Geoprobe® **Driller:** Andrea Babel **Inspector:** Dan Michaud	**Start Date:** 12/22/2009 **Finish Date:** 12/22/2009 **El. Datum:** **G.S. Elevation:**	**Northing:** **Easting:** **Longitude:** **Latitude:**	**Borehole Dia.:** 2.125 in. **Depth to Water:** NA ft. **Depth to Rock:** NA ft. **Depth of Well:** NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
					48	0.3		48" Black SILT and SAND fill soils; dry. NOSOC		Well Type: Temporary Monitoring Finish Type: PVC
1	-1									
2	-2									
3	-3									
4	-4									
5	-5									
					48	0.3		12" SAA		
6	-6									
								36" Orange-brown fine-medium SAND; dry. NOSOC		
7	-7									
8	-8									
9	-9									
10	-10									
					60	0.4		60" Orange fine-medium SAND, dry. NOSOC		
11	-11									
12	-12									
13	-13									
14	-14									
15	-15									
				▼	60	3		60" Fine-med. Brown SAND; wet.		
16	-16							Last 12" Black, slight odor.		
17	-17									1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)
18	-18									
19	-19									
20	-20							EOB at 20'. Refusal not encountered		

STANDARD NOTES: 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use

TEST BORING AND WELL LOG

THE Chazen COMPANIES **21 Fox Street** **Poughkeepsie, NY** **12601**	**PROJECT:** Linden Plaza Phase II ESA **LOCATION:** Hegeman and New Lots Aves, Brooklyn, NY **CLIENT:** Church of God of East Flatbush **PROJECT NO.:** 20918.00 Task 0200		**Test Boring No.:** **SB-2** **Total Depth:** 20 ft.
Contractor: Aquifer Drilling and Testing **Drill Rig:** Geoprobe® **Driller:** Andrea Babel **Inspector:** Dan Michaud	**Start Date:** 12/21/2009 **Finish Date:** 12/21/2009 **El. Datum:** **G.S. Elevation:**	**Northing:** **Easting:** **Longitude:** **Latitude:**	**Borehole Dia.:** 2.125 in. **Depth to Water:** NA ft. **Depth to Rock:** NA ft. **Depth of Well:** NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
					30	32		30" Black silty SAND, some fill; dry. NOSOC		Well Type: Temporary Monitoring Finish Type: PVC
1	-1									
2	-2									
3	-3									
4	-4									
5	-5									
					48	2		48' Brown medium SAND, some silt; dry. NOSOC		
6	-6									
7	-7									
8	-8									
9	-9									
10	-10									
					48	0		48" Light brown fine to medium SAND; dry. NOSOC		
11	-11									
12	-12									
13	-13									
14	-14									
15	-15									
				▼	60	0		60" Light brown fine-medium SAND; wet. NOSOC		
16	-16									
17	-17									1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)
18	-18									
19	-19									
20	-20							EOB at 20'. Refusal not encountered		

STANDARD NOTES: 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use

TEST BORING AND WELL LOG

THE Chazen COMPANIES

21 Fox Street
Poughkeepsie, NY
12601

PROJECT: Linden Plaza Phase II ESA
LOCATION: Hegeman and New Lots Aves, Brooklyn, NY
CLIENT: Church of God of East Flatbush
PROJECT NO.: 20918.00 Task 0200

Test Boring No.: **SB-3**
Total Depth: 20 ft.

Contractor: Aquifer Drilling and Testing
Drill Rig: Geoprobe®
Driller: Andrea Babel
Inspector: Dan Michaud

Start Date: 12/22/2009
Finish Date: 12/22/2009
El. Datum:
G.S. Elevation:

Northing:
Easting:
Longitude:
Latitude:

Borehole Dia.: 2.125 in.
Depth to Water: NA ft.
Depth to Rock: NA ft.
Depth of Well: NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:
					36	0.1		2" Asphalt
1	-1							34" Orange silty SAND; dry. NOSOC
2	-2							
3	-3							
4	-4							
5	-5							
					48	0.5		48' Orange fine- medium SAND; dry. NOSOC
6	-6							
7	-7							
8	-8							
9	-9							
10	-10							
					48	834		36" Light brown fine to medium SAND; dry. NOSOC
11	-11							
12	-12							
13	-13							
14	-14							
								12" fine-medium SAND, Black and Gray staining
15	-15							
				▼	48	1244		48" Black SAND, wet; strong petroleum odor.
16	-16							
17	-17							
18	-18							
19	-19							
20	-20							EOB at 20'. Refusal not encountered

Well Diagram

1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)

Field Notes, Well Notes, Comments:

Well Type:
Temporary Monitoring

Finish Type: PVC

STANDARD NOTES:
1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES

21 Fox Street
Poughkeepsie, NY
12601

PROJECT: Linden Plaza Phase II ESA
LOCATION: Hegeman and New Lots Aves, Brooklyn, NY
CLIENT: Church of God of East Flatbush
PROJECT NO.: 20918.00 Task 0200

Test Boring No.: **SB-4**
Total Depth: 20 ft.

Contractor: Aquifer Drilling and Testing
Drill Rig: Geoprobe®
Driller: Andrea Babel
Inspector: Dan Michaud

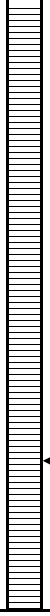
Start Date: 12/22/2009
Finish Date: 12/22/2009
El. Datum:
G.S. Elevation:

Northing:
Easting:
Longitude:
Latitude:

Borehole Dia.: 2.125 in.
Depth to Water: NA ft.
Depth to Rock: NA ft.
Depth of Well: NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:
					36	1.1		36: Black/orange silty SAND, dry; NOSOC
1	-1							
2	-2							
3	-3							
4	-4							
5	-5							
					36	1.3		36" Orange silty SAND becoming medium SAND at bottom, dry; NOSOC
6	-6							
7	-7							
8	-8							
9	-9							
10	-10							
					30	1.5		30" Fine to medium orange SAND, dry; NOSOC
11	-11							
12	-12							
13	-13							
14	-14							
15	-15							
				▼	48	0.2		48" fine-medium orange SAND, wet; NOSOC
16	-16							
17	-17							
18	-18							
19	-19							
20	-20							EOB at 20'. Refusal not encountered

Well Diagram



Field Notes, Well Notes, Comments:

Well Type:
Temporary Monitoring

Finish Type: PVC

1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)

STANDARD NOTES:
1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

TEST BORING AND WELL LOG

THE Chazen COMPANIES

21 Fox Street
Poughkeepsie, NY
12601

PROJECT: Linden Plaza Phase II ESA
LOCATION: Hegeman and New Lots Aves, Brooklyn, NY
CLIENT: Church of God of East Flatbush
PROJECT NO.: 20918.00 Task 0200

Test Boring No.: **SB-7**
Total Depth: 15 ft.

Contractor: Aquifer Drilling and Testing
Drill Rig: Geoprobe®
Driller: Andrea Babel
Inspector: Dan Michaud

Start Date: 12/22/2009
Finish Date: 12/22/2009
El. Datum:
G.S. Elevation:

Northing:
Easting:
Longitude:
Latitude:

Borehole Dia.: 2.125 in.
Depth to Water: NA ft.
Depth to Rock: NA ft.
Depth of Well: NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
					24	39.8		24" Black and orange silty SAND, dry; NOSOC.		Well Type:
1	-1									
2	-2									Finish Type:
3	-3									
4	-4									
5	-5									
					48	9.5		48" Brown fine-medium SAND, dry; NOSOC		
6	-6									
7	-7									
8	-8									
9	-9									
10	-10									
					48	999		36" Brown fine-medium SAND, wet; NOSOC		
11	-11									
12	-12							12" Fine-medium SAND; strong odor and black/gray staining		
13	-13									
14	-14									
								Groundwater sample collected from existing well		
15	-15			▼				EOB at 15'. Refusal not encountered		
16	-16									
17	-17									
18	-18									
19	-19									
20	-20									

STANDARD NOTES:
1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES **21 Fox Street** **Poughkeepsie, NY** **12601**	**PROJECT:** Linden Plaza Phase II ESA **LOCATION:** Hegeman and New Lots Aves, Brooklyn, NY **CLIENT:** Church of God of East Flatbush **PROJECT NO.:** 20918.00 Task 0200		**Test Boring No.:** **SB-8** **Total Depth:** 20 ft.
Contractor: Aquifer Drilling and Testing **Drill Rig:** Geoprobe® **Driller:** Andrea Babel **Inspector:** Dan Michaud	**Start Date:** 12/22/2009 **Finish Date:** 12/22/2009 **El. Datum:** **G.S. Elevation:**	**Northing:** **Easting:** **Longitude:** **Latitude:**	**Borehole Dia.:** 2.125 in. **Depth to Water:** NA ft. **Depth to Rock:** NA ft. **Depth of Well:** NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
					36	247		36" Dark Brown silty SAND, dry.		Well Type: Temporary Monitoring Finish Type: PVC
1	-1									
2	-2									
3	-3									
4	-4									
5	-5									
					48	1300		48" Brown fine-medium SAND, dry; odor		
6	-6									
7	-7									
8	-8									
9	-9									
10	-10									
					48	1221		48" Brown medium SAND, dry; odor		
11	-11									
12	-12									
13	-13									
14	-14									
15	-15									
				▼	48	1290		48" Gray stained medium SAND, wet; odor.		
16	-16									
17	-17									1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)
18	-18									
19	-19									
20	-20							EOB at 20'. Refusal not encountered		

STANDARD NOTES: 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

DRILLING INFORMATION
Method: Direct Push

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES **21 Fox Street** **Poughkeepsie, NY** **12601**	**PROJECT:** Linden Plaza Phase II ESA **LOCATION:** Hegeman and New Lots Aves, Brooklyn, NY **CLIENT:** Church of God of East Flatbush **PROJECT NO.:** 20918.00 Task 0200		**Test Boring No.:** **SB-10** **Total Depth:** 20 ft.
Contractor: Aquifer Drilling and Testing **Drill Rig:** Geoprobe® **Driller:** Andrea Babel **Inspector:** Dan Michaud	**Start Date:** 12/23/2009 **Finish Date:** 12/23/2009 **El. Datum:** **G.S. Elevation:**	**Northing:** **Easting:** **Longitude:** **Latitude:**	**Borehole Dia.:** 2.125 in. **Depth to Water:** NA ft. **Depth to Rock:** NA ft. **Depth of Well:** NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
					24	0		24" Orange silty SAND, dry. NOSOC		Well Type: Temporary Monitoring Finish Type: PVC
1	-1									
2	-2									
3	-3									
4	-4									
5	-5									
					24	0		24" SAA		
6	-6									
7	-7									
8	-8									
9	-9									
10	-10									
					48	0		48" Orange medium SAND, dry; NOSOC		
11	-11									
12	-12									
13	-13									
14	-14									
15	-15									
				▼	48	0		48" Brown medium SAND, wet; NOSOC.		
16	-16									
17	-17									1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)
18	-18									
19	-19									
20	-20							EOB at 20'. Refusal not encountered		

STANDARD NOTES: 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES

21 Fox Street
Poughkeepsie, NY
12601

PROJECT: Linden Plaza Phase II ESA
LOCATION: Hegeman and New Lots Aves, Brooklyn, NY
CLIENT: Church of God of East Flatbush
PROJECT NO.: 20918.00 Task 0200

Test Boring No.: **SB-11**
Total Depth: 20 ft.

Contractor: Aquifer Drilling and Testing
Drill Rig: Geoprobe®
Driller: Andrea Babel
Inspector: Dan Michaud

Start Date: 12/23/2009
Finish Date: 12/23/2009
El. Datum:
G.S. Elevation:

Northing:
Easting:
Longitude:
Latitude:

Borehole Dia.: 2.125 in.
Depth to Water: NA ft.
Depth to Rock: NA ft.
Depth of Well: NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:
					24	0.1		6" Concrete
1	-1							18" Orange silty SAND, dry; NOSOC
2	-2							
3	-3							
4	-4							
5	-5							
					60	0.2		60" Orange brown silty SAND, dry; NOSOC
6	-6							
7	-7							
8	-8							
9	-9							
10	-10							
					60	0.1		60" Orange medium SAND, dry; NOSOC
11	-11							
12	-12							
13	-13							
14	-14							
15	-15							
				▼	60	0		20" Brown SAND, wet; NOSOC
16	-16							40" Black SAND
17	-17							
18	-18							
19	-19							
20	-20							EOB at 20'. Refusal not encountered

Well Diagram

1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)

Field Notes, Well Notes, Comments:

Well Type:
Temporary Monitoring

Finish Type: PVC

STANDARD NOTES:
1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES

21 Fox Street
Poughkeepsie, NY
12601

PROJECT: Linden Plaza Phase II ESA
LOCATION: Hegeman and New Lots Aves, Brooklyn, NY
CLIENT: Church of God of East Flatbush
PROJECT NO.: 20918.00 Task 0200

Test Boring No.: **SB-12**
Total Depth: 20 ft.

Contractor: Aquifer Drilling and Testing
Drill Rig: Geoprobe®
Driller: Andrea Babel
Inspector: Dan Michaud

Start Date: 12/21/2009
Finish Date: 12/21/2009
El. Datum:
G.S. Elevation:

Northing:
Easting:
Longitude:
Latitude:

Borehole Dia.: 2.125 in.
Depth to Water: NA ft.
Depth to Rock: NA ft.
Depth of Well: NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:
1	-1				30	0.1		6" Concrete 24" Brown fine SAND, dry; NOSOC
2	-2							
3	-3							
4	-4							
5	-5							
6	-6				36	0.1		15" SAA; NOSOC 21" Dark brown fine SAND w. some clay
7	-7							
8	-8							
9	-9							
10	-10							
11	-11				48	0		48" Fine-medium SAND, moist at tip; NOSOC
12	-12							
13	-13							
14	-14							
15	-15							
16	-16			▼	60	0.7		60" Fine-medium SAND, wet; NOSOC
17	-17							
18	-18							
19	-19							
20	-20							EOB at 20'. Refusal not encountered

Well Diagram

1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)

Field Notes, Well Notes, Comments:

Well Type:
Temporary Monitoring

Finish Type: PVC

STANDARD NOTES:
1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES **21 Fox Street** **Poughkeepsie, NY** **12601**	**PROJECT:** Linden Plaza Phase II ESA **LOCATION:** Hegeman and New Lots Aves, Brooklyn, NY **CLIENT:** Church of God of East Flatbush **PROJECT NO.:** 20918.00 Task 0200		**Test Boring No.:** **SB-13** **Total Depth:** 20 ft.
Contractor: Aquifer Drilling and Testing **Drill Rig:** Geoprobe® **Driller:** Andrea Babel **Inspector:** Dan Michaud	**Start Date:** 12/23/2009 **Finish Date:** 12/23/2009 **El. Datum:** **G.S. Elevation:**	**Northing:** **Easting:** **Longitude:** **Latitude:**	**Borehole Dia.:** 2.125 in. **Depth to Water:** NA ft. **Depth to Rock:** NA ft. **Depth of Well:** NA ft.

Depth *(Feet)*	Elevation *(Feet)*	Casing Data	Sample No.	Groundwater	Recovery *(Inches)*	PID *(ppm)*	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
					36	8.3		36" Orange silty SAND, dry; NOSOC.		Well Type: Temporary Monitoring Finish Type: PVC * space had a very strong paint odor
1	-1									
2	-2									
3	-3									
4	-4									
5	-5									
					36	18.1		36" Orange silty SAND, dry; NOSOC.		
6	-6									
7	-7									
8	-8									
9	-9									
10	-10									
					36	10.3		36" Orange medium SAND, dry, NOSOC.		
11	-11									
12	-12									
13	-13									
14	-14									
15	-15									
				▼	60	4.5		60" Orange medium SAND, wet; NOSOC.		
16	-16									
17	-17									1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)
18	-18									
19	-19									
20	-20							EOB at 20'. Refusal not encountered		

STANDARD NOTES: 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

DRILLING INFORMATION
Method: Direct Push

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES

21 Fox Street
Poughkeepsie, NY
12601

PROJECT: Linden Plaza Phase II ESA
LOCATION: Hegeman and New Lots Aves, Brooklyn, NY
CLIENT: Church of God of East Flatbush
PROJECT NO.: 20918.00 Task 0200

Test Boring No.: **SB-14**
Total Depth: 20 ft.

Contractor: Aquifer Drilling and Testing
Drill Rig: Geoprobe®
Driller: Andrea Babel
Inspector: Dan Michaud

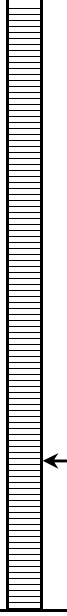
Start Date: 12/23/2009
Finish Date: 12/23/2009
El. Datum:
G.S. Elevation:

Northing:
Easting:
Longitude:
Latitude:

Borehole Dia.: 2.125 in.
Depth to Water: NA ft.
Depth to Rock: NA ft.
Depth of Well: NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:
					48	11		48" Orange silty SAND, dry; NOSOC
1	-1							
2	-2							
3	-3							
4	-4							
5	-5							
					36	112		36" Dark brown medium SAND, dry. Petroleum odor
6	-6							
7	-7							
8	-8							
9	-9							
10	-10							
					60	270		60" Light brown medium SAND, dry; chemical odor
11	-11							
12	-12							
13	-13							
14	-14							
15	-15							
				▼	60	1923		60" Light brown medium SAND, wet. Strong chemical odor
16	-16							
17	-17							
18	-18							
19	-19							
20	-20							EOB at 20'. Refusal not encountered

Well Diagram



Field Notes, Well Notes, Comments:

Well Type:
Temporary Monitoiring

Finish Type: PVC

1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)

STANDARD NOTES:
1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

TEST BORING AND WELL LOG

THE Chazen COMPANIES

21 Fox Street
Poughkeepsie, NY
12601

PROJECT: Linden Plaza Phase II ESA
LOCATION: Hegeman and New Lots Aves, Brooklyn, NY
CLIENT: Church of God of East Flatbush
PROJECT NO.: 20918.00 Task 0200

Test Boring No.: **SB-16**
Total Depth: 20 ft.

Contractor: Aquifer Drilling and Testing
Drill Rig: Geoprobe®
Driller: Andrea Babel
Inspector: Dan Michaud

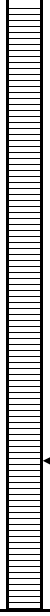
Start Date: 12/22/2009
Finish Date: 12/22/2009
El. Datum:
G.S. Elevation:

Northing:
Easting:
Longitude:
Latitude:

Borehole Dia.: 2.125 in.
Depth to Water: NA ft.
Depth to Rock: NA ft.
Depth of Well: NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:
					36	1.1		6" Concrete
1	-1							30" Orange/light brown silty SAND, dry; NOSOC
2	-2							
3	-3							
4	-4							
5	-5							
					36	1.6		18" SAA
6	-6							
								18" Light brown medium SAND, dry; NOSOC
7	-7							
8	-8							
9	-9							
10	-10							
					60	2.6		60" SAA; NOSOC
11	-11							
12	-12							
13	-13							
14	-14							
15	-15							
				▼	60	1.8		60" SAA; NOSOC
16	-16							
17	-17							
18	-18							
19	-19							
20	-20							EOB at 20'. Refusal not encountered

Well Diagram



Field Notes, Well Notes, Comments:

Well Type:
Temporary Monitoring

Finish Type: PVC

1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)

STANDARD NOTES:
1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES **21 Fox Street** **Poughkeepsie, NY** **12601**	**PROJECT:** Linden Plaza Phase II ESA **LOCATION:** Hegeman and New Lots Aves, Brooklyn, NY **CLIENT:** Church of God of East Flatbush **PROJECT NO.:** 20918.00 Task 0200		**Test Boring No.:** **SB-17** **Total Depth:** 20 ft.
Contractor: Aquifer Drilling and Testing **Drill Rig:** Geoprobe® **Driller:** Andrea Babel **Inspector:** Dan Michaud	**Start Date:** 12/24/2009 **Finish Date:** 12/24/2009 **El. Datum:** **G.S. Elevation:**	**Northing:** **Easting:** **Longitude:** **Latitude:**	**Borehole Dia.:** 2.125 in. **Depth to Water:** NA ft. **Depth to Rock:** NA ft. **Depth of Well:** NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
					36	5.4		4" Asphalt and stone		
1	-1							32" Black stained silty fill soils		Well Type: Temporary Monitoring
2	-2									Finish Type: PVC
3	-3									
4	-4									
5	-5									
					12	0.7		12" Orange silty SAND, dry; NOSOC		
6	-6									
7	-7									
8	-8									
9	-9									
10	-10									
					48	0.7		48" Medium SAND, dry; NOSOC.		
11	-11									
12	-12									
13	-13									
14	-14									
15	-15									
				▼	60	0.5		60" Fine-medium SAND, wet; NOSOC.		
16	-16									
17	-17									1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)
18	-18									
19	-19									
20	-20							EOB at 20'. Refusal not encountered		

STANDARD NOTES: 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

DRILLING INFORMATION
Method: Direct Push

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES

21 Fox Street
Poughkeepsie, NY
12601

PROJECT: Linden Plaza Phase II ESA
LOCATION: Hegeman and New Lots Aves, Brooklyn, NY
CLIENT: Church of God of East Flatbush
PROJECT NO.: 20918.00 Task 0200

Test Boring No.: **SB-18**
Total Depth: 20 ft.

Contractor: Aquifer Drilling and Testing
Drill Rig: Geoprobe®
Driller: Andrea Babel
Inspector: Dan Michaud

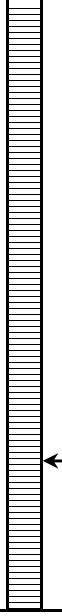
Start Date: 12/24/2009
Finish Date: 12/24/2009
El. Datum:
G.S. Elevation:

Northing:
Easting:
Longitude:
Latitude:

Borehole Dia.: 2.125 in.
Depth to Water: NA ft.
Depth to Rock: NA ft.
Depth of Well: NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:
1	-1				48	63.3		12" Black stained fill soils 20" Orange black silty SAND, dry
2	-2							
3	-3							
4	-4							
5	-5							
6	-6				36	1.8		36" Orange silty SAND, dry; NOSOC.
7	-7							
8	-8							
9	-9							
10	-10							
11	-11				36	9.7		36" Light brown medium SAND, dry; NOSOC
12	-12							
13	-13							
14	-14							
15	-15							
16	-16			▼	60	4.1		60" Orange medium SAND, wet; NOSOC.
17	-17							
18	-18							
19	-19							
20	-20							EOB at 20'. Refusal not encountered

Well Diagram



1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)

Field Notes, Well Notes, Comments:

Well Type:
Temporary Monitoring

Finish Type: PVC

STANDARD NOTES:
1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES

21 Fox Street
Poughkeepsie, NY
12601

PROJECT: Linden Plaza Phase II ESA
LOCATION: Hegeman and New Lots Aves, Brooklyn, NY
CLIENT: Church of God of East Flatbush
PROJECT NO.: 20918.00 Task 0200

Test Boring No.: **SB-19**
Total Depth: 20 ft.

Contractor: Aquifer Drilling and Testing
Drill Rig: Geoprobe®
Driller: Andrea Babel
Inspector: Dan Michaud

Start Date: 12/21/2009
Finish Date: 12/21/2009
El. Datum:
G.S. Elevation:

Northing:
Easting:
Longitude:
Latitude:

Borehole Dia.: 2.125 in.
Depth to Water: NA ft.
Depth to Rock: NA ft.
Depth of Well: NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:
1	-1				12	0		12" Broken concrete and brick fill
2	-2							
3	-3							
4	-4							
5	-5							
6	-6				30	0		30" Brown medium SAND, dry; NOSOC
7	-7							
8	-8							
9	-9							
10	-10							
11	-11				48	0		48" Brown medium SAND, moist at tip; NOSOC.
12	-12							
13	-13							
14	-14							
15	-15							
16	-16			▼	48	0		48" Medium SAND, wet; NOSOC
17	-17							
18	-18							
19	-19							
20	-20							EOB at 20'. Refusal not encountered

Well Diagram

Field Notes, Well Notes, Comments:

Well Type:
Temporary Monitoring

Finish Type: PVC

1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)

STANDARD NOTES:
1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES **21 Fox Street** **Poughkeepsie, NY** **12601**	**PROJECT:** Linden Plaza Phase II ESA **LOCATION:** Hegeman and New Lots Aves, Brooklyn, NY **CLIENT:** Church of God of East Flatbush **PROJECT NO.:** 20918.00 Task 0200		**Test Boring No.:** **SB-20** **Total Depth:** 20 ft.
Contractor: Aquifer Drilling and Testing **Drill Rig:** Geoprobe® **Driller:** Andrea Babel **Inspector:** Dan Michaud	**Start Date:** 12/21/2009 **Finish Date:** 12/21/2009 **El. Datum:** **G.S. Elevation:**	**Northing:** **Easting:** **Longitude:** **Latitude:**	**Borehole Dia.:** 2.125 in. **Depth to Water:** NA ft. **Depth to Rock:** NA ft. **Depth of Well:** NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
					30	0		6" Concrete		
1	-1							24" Broken brick with brown medium SAND, dry; NOSOC		Well Type: Temporary Monitoring
2	-2									Finish Type: PVC
3	-3									
4	-4									
5	-5									
					36	0		36" Brown SILT and fine SAND, dry; NOSOC.		
6	-6									
7	-7									
8	-8									
9	-9									
10	-10									
					48	0		48" Orange brown medium SAND, wet at tip; NOSOC.		
11	-11									
12	-12									
13	-13									
14	-14									
15	-15									
				▼	60	0		60" Brown fine-medium SAND, moist; NOSOC		
16	-16									
17	-17									1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)
18	-18									
19	-19									
20	-20							EOB at 20'. Refusal not encountered		

STANDARD NOTES: 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

TEST BORING AND WELL LOG

THE Chazen COMPANIES

21 Fox Street
Poughkeepsie, NY
12601

PROJECT: Linden Plaza Phase II ESA
LOCATION: Hegeman and New Lots Aves, Brooklyn, NY
CLIENT: Church of God of East Flatbush
PROJECT NO.: 20918.00 Task 0200

Test Boring No.: **SB-22**
Total Depth: 20 ft.

Contractor: Aquifer Drilling and Testing
Drill Rig: Geoprobe®
Driller: Andrea Babel
Inspector: Dan Michaud

Start Date: 12/22/2009
Finish Date: 12/22/2009
El. Datum:
G.S. Elevation:

Northing:
Easting:
Longitude:
Latitude:

Borehole Dia.: 2.125 in.
Depth to Water: NA ft.
Depth to Rock: NA ft.
Depth of Well: NA ft.

Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Groundwater	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:
					36	0.5		36" Orange silty SAND, dry; NOSOC
1	-1							
2	-2							
3	-3							
4	-4							
5	-5							
					0	9.1		0" Some scrap sands as above.
6	-6							
7	-7							
8	-8							
9	-9							
10	-10							
					36	1		36" Brown medium SAND, dry; NOSOC.
11	-11							
12	-12							
13	-13							
14	-14							
15	-15							
				▼	60	10.2		48" SAA, wet
16	-16							
17	-17							12" SAA, gray, slight odor.
18	-18							
19	-19							
20	-20							EOB at 20'. Refusal not encountered

Well Diagram

1" diameter; 0.010-slot PVC Screen (10 -- 20 feet bgs)

Field Notes, Well Notes, Comments:

Well Type:
Temporary Monitoring

Finish Type: PVC

STANDARD NOTES:
1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.
2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.
3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

ADDITIONAL NOTES:
1) SAA = Same As Above
2) NOSOC = No Obvious Signs of Contamination
3) EOB = End of Boring
4) PID #2 used, calibrated with Isobutylene gas prior to use.

DRILLING INFORMATION
Method: Direct Push

	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

APPENDIX B

Laboratory Analytical Reports

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Chazen Environmental Services
21 Fox Street
Poughkeepsie, NY 12601
Attention: Catherine Monian

Report Date: 12/28/2009
Re: Client Project ID: 20918
York Project No.: 09120851

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA Reg. 68-04440

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

Report Date: 12/28/2009
Client Project ID: 20918
York Project No.: 09120851

Chazen Environmental Services
21 Fox Street
Poughkeepsie, NY 12601
Attention: Catherine Monian

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 12/22/09. The project was identified as your project "20918".

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

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

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

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

Analysis Results

Client Sample ID			BCG:SB-20:GW		BCG:SB-19:GW	
York Sample ID			09120851-01		09120851-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			BCG:SB-20:GW		BCG:SB-19:GW	
York Sample ID			09120851-01		09120851-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,2-Dichloroethylene			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,2-Dichloroethylene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	5.6	Not detected	5.6
Acenaphthylene			Not detected	5.6	Not detected	5.6
Anthracene			Not detected	5.6	Not detected	5.6
Benzo[a]anthracene			Not detected	5.6	Not detected	5.6
Benzo[a]pyrene			Not detected	5.6	Not detected	5.6
Benzo[b]fluoranthene			Not detected	5.6	Not detected	5.6

YORK

Client Sample ID			BCG:SB-20:GW		BCG:SB-19:GW	
York Sample ID			09120851-01		09120851-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo[g,h,i]perylene			Not detected	5.6	Not detected	5.6
Benzo[k]fluoranthene			Not detected	5.6	Not detected	5.6
Chrysene			Not detected	5.6	Not detected	5.6
Dibenz[a,h]anthracene			Not detected	5.6	Not detected	5.6
Fluoranthene			Not detected	5.6	Not detected	5.6
Fluorene			Not detected	5.6	Not detected	5.6
Indeno[1,2,3-cd]pyrene			Not detected	5.6	Not detected	5.6
Naphthalene			Not detected	5.6	Not detected	5.6
Phenanthrene			Not detected	5.6	Not detected	5.6
Pyrene			Not detected	5.6	Not detected	5.6
Metals, Total RCRA List	SW846-6010B	mg/L	---	---	---	---
Arsenic, total			Not detected	0.004	Not detected	0.004
Barium, total			0.142	0.005	0.083	0.005
Cadmium, total			Not detected	0.005	Not detected	0.005
Chromium, total			0.014	0.005	Not detected	0.005
Lead, total			0.004	0.003	0.007	0.003
Selenium, total			Not detected	0.005	Not detected	0.005
Silver, total			Not detected	0.005	Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			BCG:SB-12:GW		BCG:SB-2:GW	
York Sample ID			09120851-03		09120851-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			BCG:SB-12:GW		BCG:SB-2:GW	
York Sample ID			09120851-03		09120851-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,2-Dichloroethylene			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	8	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,2-Dichloroethylene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	5.4	Not detected	5.6
Acenaphthylene			Not detected	5.4	Not detected	5.6
Anthracene			Not detected	5.4	Not detected	5.6
Benzo[a]anthracene			Not detected	5.4	Not detected	5.6
Benzo[a]pyrene			Not detected	5.4	Not detected	5.6
Benzo[b]fluoranthene			Not detected	5.4	Not detected	5.6
Benzo[g,h,i]perylene			Not detected	5.4	Not detected	5.6
Benzo[k]fluoranthene			Not detected	5.4	Not detected	5.6
Chrysene			Not detected	5.4	Not detected	5.6
Dibenz[a,h]anthracene			Not detected	5.4	Not detected	5.6
Fluoranthene			Not detected	5.4	Not detected	5.6
Fluorene			Not detected	5.4	Not detected	5.6
Indeno[1,2,3-cd]pyrene			Not detected	5.4	Not detected	5.6
Naphthalene			Not detected	5.4	Not detected	5.6

YORK

Client Sample ID			BCG:SB-12:GW		BCG:SB-2:GW	
York Sample ID			09120851-03		09120851-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Phenanthrene			Not detected	5.4	Not detected	5.6
Pyrene			Not detected	5.4	Not detected	5.6
Metals, Total RCRA List	SW846-6010B	mg/L	---	---	---	---
Arsenic, total			Not detected	0.004	Not detected	0.004
Barium, total			0.148	0.005	0.051	0.005
Cadmium, total			Not detected	0.005	Not detected	0.005
Chromium, total			0.014	0.005	Not detected	0.005
Lead, total			0.005	0.003	Not detected	0.003
Selenium, total			Not detected	0.005	Not detected	0.005
Silver, total			Not detected	0.005	Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			BCG:SB-4:GW		BCG:SB-1:GW	
York Sample ID			09120851-05		09120851-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			BCG:SB-4:GW		BCG:SB-1:GW	
York Sample ID			09120851-05		09120851-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,2-Dichloroethylene			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	11	5.0
Tetrachloroethylene			15	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,2-Dichloroethylene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	5.6	Not detected	5.6
Acenaphthylene			Not detected	5.6	Not detected	5.6
Anthracene			Not detected	5.6	Not detected	5.6
Benzo[a]anthracene			Not detected	5.6	Not detected	5.6
Benzo[a]pyrene			Not detected	5.6	Not detected	5.6
Benzo[b]fluoranthene			Not detected	5.6	Not detected	5.6
Benzo[g,h,i]perylene			Not detected	5.6	Not detected	5.6
Benzo[k]fluoranthene			Not detected	5.6	Not detected	5.6
Chrysene			Not detected	5.6	Not detected	5.6
Dibenz[a,h]anthracene			Not detected	5.6	Not detected	5.6
Fluoranthene			Not detected	5.6	Not detected	5.6
Fluorene			Not detected	5.6	Not detected	5.6
Indeno[1,2,3-cd]pyrene			Not detected	5.6	Not detected	5.6
Naphthalene			Not detected	5.6	Not detected	5.6
Phenanthrene			Not detected	5.6	Not detected	5.6
Pyrene			Not detected	5.6	Not detected	5.6
Metals, Total RCRA List	SW846-6010B	mg/L	---	---	---	---
Arsenic, total			Not detected	0.004	Not detected	0.004
Barium, total			0.059	0.005	0.098	0.005
Cadmium, total			Not detected	0.005	Not detected	0.005
Chromium, total			Not detected	0.005	Not detected	0.005
Lead, total			Not detected	0.003	Not detected	0.003

YORK

Client Sample ID			BCG:SB-4:GW		BCG:SB-1:GW	
York Sample ID			09120851-05		09120851-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Selenium, total			Not detected	0.005	Not detected	0.005
Silver, total			Not detected	0.005	Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			BCG:SB-3:GW	
York Sample ID			09120851-07	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	50
1,1,1-Trichloroethane			Not detected	50
1,1,2,2-Tetrachloroethane			Not detected	50
1,1,2-Trichloroethane			Not detected	50
1,1-Dichloroethane			Not detected	50
1,1-Dichloroethylene			Not detected	50
1,1-Dichloropropylene			Not detected	50
1,2,3-Trichlorobenzene			Not detected	50
1,2,3-Trichloropropane			Not detected	50
1,2,4-Trichlorobenzene			Not detected	50
1,2,4-Trimethylbenzene			700	50
1,2-Dibromo-3-chloropropane			Not detected	50
1,2-Dibromoethane			Not detected	50
1,2-Dichlorobenzene			Not detected	50
1,2-Dichloroethane			Not detected	50
1,2-Dichloropropane			Not detected	50
1,3,5-Trimethylbenzene			Not detected	50
1,3-Dichlorobenzene			Not detected	50
1,3-Dichloropropane			Not detected	50
1,4-Dichlorobenzene			Not detected	50
2,2-Dichloropropane			Not detected	50
2-Chlorotoluene			Not detected	50
4-Chlorotoluene			Not detected	50
Benzene			Not detected	50
Bromobenzene			Not detected	50
Bromochloromethane			Not detected	50
Bromodichloromethane			Not detected	50
Bromoform			Not detected	50
Bromomethane			Not detected	50
Carbon tetrachloride			Not detected	50
Chlorobenzene			Not detected	50
Chloroethane			Not detected	50
Chloroform			Not detected	50
Chloromethane			Not detected	50
cis-1,2-Dichloroethylene			Not detected	50
cis-1,3-Dichloropropylene			Not detected	50
Dibromochloromethane			Not detected	50
Dibromomethane			Not detected	50
Dichlorodifluoromethane			Not detected	50
Ethylbenzene			Not detected	50

YORK

Client Sample ID			BCG:SB-3:GW	
York Sample ID			09120851-07	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Hexachlorobutadiene			Not detected	50
Isopropylbenzene			88	50
Methylene chloride			Not detected	50
MTBE			Not detected	50
Naphthalene			Not detected	50
n-Butylbenzene			Not detected	50
n-Propylbenzene			110	50
o-Xylene			Not detected	50
p- & m-Xylenes			Not detected	50
p-Isopropyltoluene			Not detected	50
sec-Butylbenzene			Not detected	50
Styrene			Not detected	50
tert-Butylbenzene			Not detected	50
Tetrachloroethylene			Not detected	50
Toluene			Not detected	50
trans-1,2-Dichloroethylene			Not detected	50
trans-1,3-Dichloropropylene			Not detected	50
Trichloroethylene			Not detected	50
Trichlorofluoromethane			Not detected	50
Vinyl chloride			Not detected	50
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---
Acenaphthene			Not detected	5.7
Acenaphthylene			Not detected	5.7
Anthracene			Not detected	5.7
Benzo[a]anthracene			Not detected	5.7
Benzo[a]pyrene			Not detected	5.7
Benzo[b]fluoranthene			Not detected	5.7
Benzo[g,h,i]perylene			Not detected	5.7
Benzo[k]fluoranthene			Not detected	5.7
Chrysene			Not detected	5.7
Dibenz[a,h]anthracene			Not detected	5.7
Fluoranthene			Not detected	5.7
Fluorene			Not detected	5.7
Indeno[1,2,3-cd]pyrene			Not detected	5.7
Naphthalene			12	5.7
Phenanthrene			Not detected	5.7
Pyrene			Not detected	5.7
Metals, Total RCRA List	SW846-6010B	mg/L	---	---
Arsenic, total			Not detected	0.004
Barium, total			0.104	0.005
Cadmium, total			Not detected	0.005
Chromium, total			Not detected	0.005
Lead, total			Not detected	0.003
Selenium, total			Not detected	0.005
Silver, total			Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002

YORK

Client Sample ID			BCG:SB-2:0-5'		BCG:SB-4:0-5'	
York Sample ID			09120851-08		09120851-09	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	10
1,1,1-Trichloroethane			Not detected	10	Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	10
1,1,2-Trichloroethane			Not detected	10	Not detected	10
1,1-Dichloroethane			Not detected	10	Not detected	10
1,1-Dichloroethylene			Not detected	10	Not detected	10
1,1-Dichloropropylene			Not detected	10	Not detected	10
1,2,3-Trichlorobenzene			Not detected	10	Not detected	10
1,2,3-Trichloropropane			Not detected	10	Not detected	10
1,2,4-Trichlorobenzene			Not detected	10	Not detected	10
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	10
1,2-Dibromoethane			Not detected	10	Not detected	10
1,2-Dichlorobenzene			Not detected	10	Not detected	10
1,2-Dichloroethane			Not detected	10	Not detected	10
1,2-Dichloropropane			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
1,3-Dichlorobenzene			Not detected	10	Not detected	10
1,3-Dichloropropane			Not detected	10	Not detected	10
1,4-Dichlorobenzene			Not detected	10	Not detected	10
2,2-Dichloropropane			Not detected	10	Not detected	10
2-Chlorotoluene			Not detected	10	Not detected	10
4-Chlorotoluene			Not detected	10	Not detected	10
Benzene			Not detected	10	Not detected	10
Bromobenzene			Not detected	10	Not detected	10
Bromochloromethane			Not detected	10	Not detected	10
Bromodichloromethane			Not detected	10	Not detected	10
Bromoform			Not detected	10	Not detected	10
Bromomethane			Not detected	10	Not detected	10
Carbon tetrachloride			Not detected	10	Not detected	10
Chlorobenzene			Not detected	10	Not detected	10
Chloroethane			Not detected	10	Not detected	10
Chloroform			Not detected	10	Not detected	10
Chloromethane			Not detected	10	Not detected	10
cis-1,2-Dichloroethylene			Not detected	10	130	10
cis-1,3-Dichloropropylene			Not detected	10	Not detected	10
Dibromochloromethane			Not detected	10	Not detected	10
Dibromomethane			Not detected	10	Not detected	10
Dichlorodifluoromethane			Not detected	10	Not detected	10
Ethylbenzene			Not detected	10	Not detected	10
Hexachlorobutadiene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methylene chloride			Not detected	10	Not detected	10
MTBE			Not detected	10	Not detected	10
Naphthalene			18	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m-Xylenes			Not detected	10	26	10
p-Isopropyltoluene			Not detected	10	Not detected	10

YORK

Client Sample ID			BCG:SB-2:0-5'		BCG:SB-4:0-5'	
York Sample ID			09120851-08		09120851-09	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
sec-Butylbenzene			Not detected	10	Not detected	10
Styrene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Tetrachloroethylene			59	10	49	10
Toluene			Not detected	10	44	10
trans-1,2-Dichloroethylene			Not detected	10	Not detected	10
trans-1,3-Dichloropropylene			Not detected	10	Not detected	10
Trichloroethylene			Not detected	10	68	10
Trichlorofluoromethane			Not detected	10	Not detected	10
Vinyl chloride			Not detected	10	Not detected	10
Semi-Volatiles, STARS List	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	330	Not detected	825
Acenaphthylene			Not detected	330	Not detected	825
Anthracene			Not detected	330	Not detected	825
Benzo[a]anthracene			920	330	920	825
Benzo[a]pyrene			860	330	Not detected	825
Benzo[b]fluoranthene			860	330	Not detected	825
Benzo[g,h,i]perylene			550	330	Not detected	825
Benzo[k]fluoranthene			920	330	Not detected	825
Chrysene			980	330	980	825
Dibenz[a,h]anthracene			Not detected	330	Not detected	825
Fluoranthene			1600	330	2300	825
Fluorene			Not detected	330	Not detected	825
Indeno[1,2,3-cd]pyrene			490	330	Not detected	825
Naphthalene			Not detected	330	Not detected	825
Phenanthrene			1200	330	2200	825
Pyrene			1700	330	1900	825
Metals, total RCRA List	SW846-6010	mg/kG	---	---	---	---
Arsenic, total			5.44	1.00	4.90	1.00
Barium, total			194	0.50	214	0.50
Cadmium, total			0.84	0.50	0.81	0.50
Chromium, total			15.8	0.50	13.3	0.50
Lead, total			186	0.50	284	0.50
Selenium, total			Not detected	1.00	Not detected	1.00
Silver, total			Not detected	0.50	Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			BCG:SB-3:15-20'	
York Sample ID			09120851-10	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	500
1,1,1-Trichloroethane			Not detected	500
1,1,2,2-Tetrachloroethane			Not detected	500
1,1,2-Trichloroethane			Not detected	500
1,1-Dichloroethane			Not detected	500
1,1-Dichloroethylene			Not detected	500
1,1-Dichloropropylene			Not detected	500

YORK

Client Sample ID			BCG:SB-3:15-20'	
York Sample ID			09120851-10	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1,2,3-Trichlorobenzene			Not detected	500
1,2,3-Trichloropropane			Not detected	500
1,2,4-Trichlorobenzene			Not detected	500
1,2,4-Trimethylbenzene			57000	500
1,2-Dibromo-3-chloropropane			Not detected	500
1,2-Dibromoethane			Not detected	500
1,2-Dichlorobenzene			Not detected	500
1,2-Dichloroethane			Not detected	500
1,2-Dichloropropane			Not detected	500
1,3,5-Trimethylbenzene			Not detected	500
1,3-Dichlorobenzene			Not detected	500
1,3-Dichloropropane			Not detected	500
1,4-Dichlorobenzene			Not detected	500
2,2-Dichloropropane			Not detected	500
2-Chlorotoluene			Not detected	500
4-Chlorotoluene			Not detected	500
Benzene			Not detected	500
Bromobenzene			Not detected	500
Bromochloromethane			Not detected	500
Bromodichloromethane			Not detected	500
Bromoform			Not detected	500
Bromomethane			Not detected	500
Carbon tetrachloride			Not detected	500
Chlorobenzene			Not detected	500
Chloroethane			Not detected	500
Chloroform			Not detected	500
Chloromethane			Not detected	500
cis-1,2-Dichloroethylene			Not detected	500
cis-1,3-Dichloropropylene			Not detected	500
Dibromochloromethane			Not detected	500
Dibromomethane			Not detected	500
Dichlorodifluoromethane			Not detected	500
Ethylbenzene			Not detected	500
Hexachlorobutadiene			Not detected	500
Isopropylbenzene			2400	500
Methylene chloride			Not detected	500
MTBE			Not detected	500
Naphthalene			940	500
n-Butylbenzene			7800	500
n-Propylbenzene			6200	500
o-Xylene			Not detected	500
p- & m-Xylenes			1200	500
p-Isopropyltoluene			6800	500
sec-Butylbenzene			5400	500
Styrene			Not detected	500
tert-Butylbenzene			790	500
Tetrachloroethylene			Not detected	500
Toluene			Not detected	500
trans-1,2-Dichloroethylene			Not detected	500
trans-1,3-Dichloropropylene			Not detected	500
Trichloroethylene			Not detected	500

YORK

Client Sample ID			BCG:SB-3:15-20'	
York Sample ID			09120851-10	
Matrix			SOIL	
Parameter	**Method**	**Units**	**Results**	**MDL**
Trichlorofluoromethane			Not detected	500
Vinyl chloride			Not detected	500
Semi-Volatiles, STARS List	SW846-8270	ug/kG	---	---
Acenaphthene			Not detected	165
Acenaphthylene			Not detected	165
Anthracene			Not detected	165
Benzo[a]anthracene			Not detected	165
Benzo[a]pyrene			Not detected	165
Benzo[b]fluoranthene			Not detected	165
Benzo[g,h,i]perylene			Not detected	165
Benzo[k]fluoranthene			Not detected	165
Chrysene			Not detected	165
Dibenz[a,h]anthracene			Not detected	165
Fluoranthene			Not detected	165
Fluorene			Not detected	165
Indeno[1,2,3-cd]pyrene			Not detected	165
Naphthalene			1300	165
Phenanthrene			Not detected	165
Pyrene			Not detected	165
Metals, total RCRA List	SW846-6010	mg/kG	---	---
Arsenic, total			1.15	1.00
Barium, total			16.2	0.50
Cadmium, total			Not detected	0.50
Chromium, total			6.46	0.50
Lead, total			3.52	0.50
Selenium, total			Not detected	1.00
Silver, total			Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10

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

Notes for York Project No. 09120851

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

Approved By: Robert Q. Bradley
Managing Director

Date: 12/28/2009

YORK

CHAIN OF CUSTODY RECORD

CHAZEN ENVIRONMENTAL SERVICES, INC.

09120851

Dutchess County Office:
21 Fox Street
Poughkeepsie, New York 12601
Phone:845-454-3980
Fax:845-454-4026

Capital District Office:
547 River Street
Troy, New York 12180
Phone:518-273-0055
Fax:518-273-8391

North County Office:
100 Glen Street
Glens Falls, New York 12801
Phone:518-812-0513
Fax:518-812-2205

Attention: Catherine / Emily

Project Name: Church of God

Location: Brooklyn, NY

Project Number: 20918

Project Manager: Emily P.

P.O. # P11178

Packed on Ice

Laboratory: YORK

** Turn Around Time: ~~1~~ 3 day

Level: NYCRM

CT RCP Required?: Y / (N)

SAMPLE ID	DATE	TIME	Composit	Grab Sample	Matrix*	Total # of Containers	Size	40 mL Vial	Liter	500 mL	250 mL	125 mL	8 oz. Soil	4 oz. Soil	2 oz. Soil	Other	ANALYSIS REQUESTED
							Type										
							Pres.				HNO3						
BCG:SB-20:GW	12/21/09	11:00		✓	GW	4		2	1		1						8260 Full / 8270 STARS
BCG:SB-19:GW	12/21/09	12:30		✓	GW	4		2	1		1						RCRA Metals
BCG:SB-12:GW	12/21/09	14:30		✓	GW	4		2	1		1						ON ALL
BCG:SB-2:GW	12/21/09	15:45		✓	GW	4		2	1		1						↓
BCG:SB-2:0-5'	12/21/09	16:00		✓	SS	2							1	1			
BCG:SB-4:GW	12/22/09	10:00		✓	GW	4		2	1		1						
BCG:SB-4:0-5'	12/22/09	9:30		✓	SS	2							1	1			
BCG:SB-1:GW	12/22/09	11:45		✓	GW	4		2	1		1						
BCG:SB-3:GW	12/22/09	13:30		✓	GW	4		2	1		1						
BCG:SB3 15-20'	12/22/09	13:15		✓	SS	2		X					1	1			✓

Please Identify Matrix: GW • Groundwater SW • Surface Water DW • Drinking Water SS • Soil Sample SD • Sediment Sample SL • Sludge PS • Process Sample Other (Please Specify)

Container Type: CG = Clear Glass – AG = Amber Glass PL = Plastic

Sampled By: Name: D. MichAud Date: 12/21/09 - 12/22/09 Time: 12:00 Company: CES

Relinquished By: Name: S. Titzel (Please Print) Date: 12/22/09 Time: 150 PM Company: Chazen

Received By: Name: KYLE BARKER (Please Print) Date: 12-22-09 Time: 150 PM Company:

Received By: Name: J. Lee (Please Print) Date: 12/22/09 Time: 1620 Company: York 3.6°C

PLEASE NOTE: Pink Sheet - Chazen Copy Yellow Sheet - Laboratory File Copy White Top Sheet - Report Copy (Please return along with completed Lab Results)

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Chazen Environmental Services
21 Fox Street
Poughkeepsie, NY 12601
Attention: Catherine Monian / Emily Pereira

Report Date: 12/29/2009
Re: Client Project ID: 20918
York Project No.: 09120918

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA Reg. 68-04440

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

Report Date: 12/29/2009
Client Project ID: 20918
York Project No.: 09120918

Chazen Environmental Services
21 Fox Street
Poughkeepsie, NY 12601
Attention: Catherine Monian / Emily Pereira

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 12/24/09. The project was identified as your project "20918".

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

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

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

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

Analysis Results

Client Sample ID			BCG:SB-7:GW		BCG:SB-8:GW	
York Sample ID			09120918-01		09120918-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	50	Not detected	100
1,1,1-Trichloroethane			Not detected	50	Not detected	100
1,1,2,2-Tetrachloroethane			Not detected	50	Not detected	100
1,1,2-Trichloroethane			Not detected	50	Not detected	100
1,1-Dichloroethane			Not detected	50	Not detected	100
1,1-Dichloroethylene			Not detected	50	Not detected	100
1,1-Dichloropropylene			Not detected	50	Not detected	100
1,2,3-Trichlorobenzene			Not detected	50	Not detected	100
1,2,3-Trichloropropane			Not detected	50	Not detected	100
1,2,4-Trichlorobenzene			Not detected	50	Not detected	100
1,2,4-Trimethylbenzene			2700	50	2500	100
1,2-Dibromo-3-chloropropane			Not detected	50	Not detected	100
1,2-Dibromoethane			Not detected	50	Not detected	100
1,2-Dichlorobenzene			Not detected	50	Not detected	100
1,2-Dichloroethane			Not detected	50	Not detected	100
1,2-Dichloropropane			Not detected	50	Not detected	100

YORK

Client Sample ID			BCG:SB-7:GW		BCG:SB-8:GW	
York Sample ID			09120918-01		09120918-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3,5-Trimethylbenzene			550	50	Not detected	100
1,3-Dichlorobenzene			Not detected	50	Not detected	100
1,3-Dichloropropane			Not detected	50	Not detected	100
1,4-Dichlorobenzene			Not detected	50	Not detected	100
2,2-Dichloropropane			Not detected	50	Not detected	100
2-Chlorotoluene			Not detected	50	Not detected	100
4-Chlorotoluene			Not detected	50	Not detected	100
Benzene			Not detected	50	Not detected	100
Bromobenzene			Not detected	50	Not detected	100
Bromochloromethane			Not detected	50	Not detected	100
Bromodichloromethane			Not detected	50	Not detected	100
Bromoform			Not detected	50	Not detected	100
Bromomethane			Not detected	50	Not detected	100
Carbon tetrachloride			Not detected	50	Not detected	100
Chlorobenzene			Not detected	50	Not detected	100
Chloroethane			Not detected	50	Not detected	100
Chloroform			Not detected	50	Not detected	100
Chloromethane			Not detected	50	Not detected	100
cis-1,2-Dichloroethylene			Not detected	50	Not detected	100
cis-1,3-Dichloropropylene			Not detected	50	Not detected	100
Dibromochloromethane			Not detected	50	Not detected	100
Dibromomethane			Not detected	50	Not detected	100
Dichlorodifluoromethane			Not detected	50	Not detected	100
Ethylbenzene			180	50	Not detected	100
Hexachlorobutadiene			Not detected	50	Not detected	100
Isopropylbenzene			140	50	150	100
Methylene chloride			Not detected	50	Not detected	100
MTBE			Not detected	50	Not detected	100
Naphthalene			260	50	Not detected	100
n-Butylbenzene			63	50	Not detected	100
n-Propylbenzene			250	50	240	100
o-Xylene			Not detected	50	Not detected	100
p- & m-Xylenes			900	50	130	100
p-Isopropyltoluene			85	50	Not detected	100
sec-Butylbenzene			Not detected	50	Not detected	100
Styrene			Not detected	50	Not detected	100
tert-Butylbenzene			Not detected	50	Not detected	100
Tetrachloroethylene			Not detected	50	Not detected	100
Toluene			Not detected	50	Not detected	100
trans-1,2-Dichloroethylene			Not detected	50	Not detected	100
trans-1,3-Dichloropropylene			Not detected	50	Not detected	100
Trichloroethylene			Not detected	50	Not detected	100
Trichlorofluoromethane			Not detected	50	Not detected	100
Vinyl chloride			Not detected	50	Not detected	100
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	11	Not detected	5.4
Acenaphthylene			Not detected	11	Not detected	5.4
Anthracene			Not detected	11	Not detected	5.4
Benzo[a]anthracene			Not detected	11	Not detected	5.4
Benzo[a]pyrene			Not detected	11	Not detected	5.4
Benzo[b]fluoranthene			Not detected	11	Not detected	5.4

YORK

Client Sample ID			BCG:SB-7:GW		BCG:SB-8:GW	
York Sample ID			09120918-01		09120918-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo[g,h,i]perylene			Not detected	11	Not detected	5.4
Benzo[k]fluoranthene			Not detected	11	Not detected	5.4
Chrysene			Not detected	11	Not detected	5.4
Dibenz[a,h]anthracene			Not detected	11	Not detected	5.4
Fluoranthene			Not detected	11	Not detected	5.4
Fluorene			Not detected	11	Not detected	5.4
Indeno[1,2,3-cd]pyrene			Not detected	11	Not detected	5.4
Naphthalene			120	11	50	5.4
Phenanthrene			Not detected	11	Not detected	5.4
Pyrene			Not detected	11	Not detected	5.4
Metals, Total RCRA List	SW846-6010B	mg/L	---	---	---	---
Arsenic, total			Not detected	0.004	Not detected	0.004
Barium, total			0.137	0.005	0.152	0.005
Cadmium, total			Not detected	0.005	Not detected	0.005
Chromium, total			Not detected	0.005	Not detected	0.005
Lead, total			Not detected	0.003	Not detected	0.003
Selenium, total			Not detected	0.005	Not detected	0.005
Silver, total			Not detected	0.005	Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			BCG:SB-16:GW		BCG:SB-22:GW	
York Sample ID			09120918-03		09120918-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			8	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			BCG:SB-16:GW		BCG:SB-22:GW	
York Sample ID			09120918-03		09120918-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,2-Dichloroethylene			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			7	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,2-Dichloroethylene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	5.4	Not detected	5.4
Acenaphthylene			Not detected	5.4	Not detected	5.4
Anthracene			Not detected	5.4	Not detected	5.4
Benzo[a]anthracene			Not detected	5.4	Not detected	5.4
Benzo[a]pyrene			Not detected	5.4	Not detected	5.4
Benzo[b]fluoranthene			Not detected	5.4	Not detected	5.4
Benzo[g,h,i]perylene			Not detected	5.4	Not detected	5.4
Benzo[k]fluoranthene			Not detected	5.4	Not detected	5.4
Chrysene			Not detected	5.4	Not detected	5.4
Dibenz[a,h]anthracene			Not detected	5.4	Not detected	5.4
Fluoranthene			Not detected	5.4	Not detected	5.4
Fluorene			Not detected	5.4	Not detected	5.4
Indeno[1,2,3-cd]pyrene			Not detected	5.4	Not detected	5.4
Naphthalene			Not detected	5.4	Not detected	5.4

YORK

Client Sample ID			BCG:SB-16:GW		BCG:SB-22:GW	
York Sample ID			09120918-03		09120918-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Phenanthrene			Not detected	5.4	Not detected	5.4
Pyrene			Not detected	5.4	Not detected	5.4
Metals, Total RCRA List	SW846-6010B	mg/L	---	---	---	---
Arsenic, total			Not detected	0.004	Not detected	0.004
Barium, total			0.108	0.005	0.093	0.005
Cadmium, total			Not detected	0.005	Not detected	0.005
Chromium, total			Not detected	0.005	Not detected	0.005
Lead, total			Not detected	0.003	Not detected	0.003
Selenium, total			Not detected	0.005	Not detected	0.005
Silver, total			Not detected	0.005	Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			BCG:SB-11:GW		BCG:SB-10:GW	
York Sample ID			09120918-05		09120918-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	50
1,1,1-Trichloroethane			Not detected	5.0	Not detected	50
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	50
1,1,2-Trichloroethane			Not detected	5.0	Not detected	50
1,1-Dichloroethane			Not detected	5.0	Not detected	50
1,1-Dichloroethylene			Not detected	5.0	Not detected	50
1,1-Dichloropropylene			Not detected	5.0	Not detected	50
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	50
1,2,3-Trichloropropane			Not detected	5.0	Not detected	50
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	50
1,2,4-Trimethylbenzene			110	5.0	1700	50
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	50
1,2-Dibromoethane			Not detected	5.0	Not detected	50
1,2-Dichlorobenzene			Not detected	5.0	Not detected	50
1,2-Dichloroethane			Not detected	5.0	Not detected	50
1,2-Dichloropropane			Not detected	5.0	Not detected	50
1,3,5-Trimethylbenzene			34	5.0	450	50
1,3-Dichlorobenzene			Not detected	5.0	Not detected	50
1,3-Dichloropropane			Not detected	5.0	Not detected	50
1,4-Dichlorobenzene			Not detected	5.0	Not detected	50
2,2-Dichloropropane			Not detected	5.0	Not detected	50
2-Chlorotoluene			Not detected	5.0	Not detected	50
4-Chlorotoluene			Not detected	5.0	Not detected	50
Benzene			Not detected	5.0	Not detected	50
Bromobenzene			Not detected	5.0	Not detected	50
Bromochloromethane			Not detected	5.0	Not detected	50
Bromodichloromethane			Not detected	5.0	Not detected	50
Bromoform			Not detected	5.0	Not detected	50
Bromomethane			Not detected	5.0	Not detected	50
Carbon tetrachloride			Not detected	5.0	Not detected	50
Chlorobenzene			Not detected	5.0	Not detected	50
Chloroethane			Not detected	5.0	Not detected	50

YORK

Client Sample ID			BCG:SB-11:GW		BCG:SB-10:GW	
York Sample ID			09120918-05		09120918-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chloroform			Not detected	5.0	Not detected	50
Chloromethane			Not detected	5.0	Not detected	50
cis-1,2-Dichloroethylene			Not detected	5.0	Not detected	50
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	50
Dibromochloromethane			Not detected	5.0	Not detected	50
Dibromomethane			Not detected	5.0	Not detected	50
Dichlorodifluoromethane			Not detected	5.0	Not detected	50
Ethylbenzene			Not detected	5.0	Not detected	50
Hexachlorobutadiene			Not detected	5.0	Not detected	50
Isopropylbenzene			6	5.0	71	50
Methylene chloride			Not detected	5.0	Not detected	50
MTBE			Not detected	5.0	Not detected	50
Naphthalene			Not detected	5.0	Not detected	50
n-Butylbenzene			Not detected	5.0	52	50
n-Propylbenzene			10	5.0	150	50
o-Xylene			Not detected	5.0	Not detected	50
p- & m-Xylenes			Not detected	5.0	59	50
p-Isopropyltoluene			Not detected	5.0	92	50
sec-Butylbenzene			Not detected	5.0	Not detected	50
Styrene			Not detected	5.0	Not detected	50
tert-Butylbenzene			Not detected	5.0	Not detected	50
Tetrachloroethylene			Not detected	5.0	Not detected	50
Toluene			Not detected	5.0	Not detected	50
trans-1,2-Dichloroethylene			Not detected	5.0	Not detected	50
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	50
Trichloroethylene			Not detected	5.0	Not detected	50
Trichlorofluoromethane			Not detected	5.0	Not detected	50
Vinyl chloride			Not detected	5.0	Not detected	50
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	5.4	Not detected	5.4
Acenaphthylene			Not detected	5.4	Not detected	5.4
Anthracene			Not detected	5.4	Not detected	5.4
Benzo[a]anthracene			Not detected	5.4	Not detected	5.4
Benzo[a]pyrene			Not detected	5.4	Not detected	5.4
Benzo[b]fluoranthene			Not detected	5.4	Not detected	5.4
Benzo[g,h,i]perylene			Not detected	5.4	Not detected	5.4
Benzo[k]fluoranthene			Not detected	5.4	Not detected	5.4
Chrysene			Not detected	5.4	Not detected	5.4
Dibenz[a,h]anthracene			Not detected	5.4	Not detected	5.4
Fluoranthene			Not detected	5.4	Not detected	5.4
Fluorene			Not detected	5.4	Not detected	5.4
Indeno[1,2,3-cd]pyrene			Not detected	5.4	Not detected	5.4
Naphthalene			Not detected	5.4	15	5.4
Phenanthrene			Not detected	5.4	Not detected	5.4
Pyrene			Not detected	5.4	Not detected	5.4

YORK

Client Sample ID			BCG:SB-11:GW		BCG:SB-10:GW	
York Sample ID			09120918-05		09120918-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Metals, Total RCRA List	SW846-6010B	mg/L	---	---	---	---
Arsenic, total			Not detected	0.004	Not detected	0.004
Barium, total			0.128	0.005	0.162	0.005
Cadmium, total			Not detected	0.005	Not detected	0.005
Chromium, total			Not detected	0.005	0.046	0.005
Lead, total			Not detected	0.003	0.039	0.003
Selenium, total			Not detected	0.005	Not detected	0.005
Silver, total			Not detected	0.005	Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			BCG:SB-13:GW		BCG:SB-14:GW	
York Sample ID			09120918-07		09120918-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	250
1,1,1-Trichloroethane			Not detected	5.0	Not detected	250
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	250
1,1,2-Trichloroethane			Not detected	5.0	Not detected	250
1,1-Dichloroethane			Not detected	5.0	Not detected	250
1,1-Dichloroethylene			Not detected	5.0	Not detected	250
1,1-Dichloropropylene			Not detected	5.0	Not detected	250
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	250
1,2,3-Trichloropropane			Not detected	5.0	Not detected	250
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	250
1,2,4-Trimethylbenzene			Not detected	5.0	3400	250
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	250
1,2-Dibromoethane			Not detected	5.0	Not detected	250
1,2-Dichlorobenzene			Not detected	5.0	Not detected	250
1,2-Dichloroethane			Not detected	5.0	Not detected	250
1,2-Dichloropropane			Not detected	5.0	Not detected	250
1,3,5-Trimethylbenzene			Not detected	5.0	730	250
1,3-Dichlorobenzene			Not detected	5.0	Not detected	250
1,3-Dichloropropane			Not detected	5.0	Not detected	250
1,4-Dichlorobenzene			Not detected	5.0	Not detected	250
2,2-Dichloropropane			Not detected	5.0	Not detected	250
2-Chlorotoluene			Not detected	5.0	Not detected	250
4-Chlorotoluene			Not detected	5.0	Not detected	250
Benzene			Not detected	5.0	Not detected	250
Bromobenzene			Not detected	5.0	Not detected	250
Bromochloromethane			Not detected	5.0	Not detected	250
Bromodichloromethane			Not detected	5.0	Not detected	250
Bromoform			Not detected	5.0	Not detected	250
Bromomethane			Not detected	5.0	Not detected	250
Carbon tetrachloride			Not detected	5.0	Not detected	250
Chlorobenzene			Not detected	5.0	Not detected	250
Chloroethane			Not detected	5.0	Not detected	250
Chloroform			Not detected	5.0	Not detected	250
Chloromethane			Not detected	5.0	Not detected	250

YORK

Client Sample ID			BCG:SB-13:GW		BCG:SB-14:GW	
York Sample ID			09120918-07		09120918-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
cis-1,2-Dichloroethylene			Not detected	5.0	Not detected	250
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	250
Dibromochloromethane			Not detected	5.0	Not detected	250
Dibromomethane			Not detected	5.0	Not detected	250
Dichlorodifluoromethane			Not detected	5.0	Not detected	250
Ethylbenzene			Not detected	5.0	3000	250
Hexachlorobutadiene			Not detected	5.0	Not detected	250
Isopropylbenzene			Not detected	5.0	Not detected	250
Methylene chloride			Not detected	5.0	Not detected	250
MTBE			Not detected	5.0	Not detected	250
Naphthalene			Not detected	5.0	810	250
n-Butylbenzene			Not detected	5.0	Not detected	250
n-Propylbenzene			Not detected	5.0	310	250
o-Xylene			Not detected	5.0	Not detected	250
p- & m-Xylenes			Not detected	5.0	4300	250
p-Isopropyltoluene			Not detected	5.0	Not detected	250
sec-Butylbenzene			Not detected	5.0	Not detected	250
Styrene			Not detected	5.0	Not detected	250
tert-Butylbenzene			Not detected	5.0	Not detected	250
Tetrachloroethylene			Not detected	5.0	Not detected	250
Toluene			Not detected	5.0	Not detected	250
trans-1,2-Dichloroethylene			Not detected	5.0	Not detected	250
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	250
Trichloroethylene			Not detected	5.0	Not detected	250
Trichlorofluoromethane			Not detected	5.0	Not detected	250
Vinyl chloride			Not detected	5.0	Not detected	250
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	5.6	Not detected	54
Acenaphthylene			Not detected	5.6	Not detected	54
Anthracene			Not detected	5.6	Not detected	54
Benzo[a]anthracene			Not detected	5.6	Not detected	54
Benzo[a]pyrene			Not detected	5.6	Not detected	54
Benzo[b]fluoranthene			Not detected	5.6	Not detected	54
Benzo[g,h,i]perylene			Not detected	5.6	Not detected	54
Benzo[k]fluoranthene			Not detected	5.6	Not detected	54
Chrysene			Not detected	5.6	Not detected	54
Dibenz[a,h]anthracene			Not detected	5.6	Not detected	54
Fluoranthene			Not detected	5.6	Not detected	54
Fluorene			Not detected	5.6	Not detected	54
Indeno[1,2,3-cd]pyrene			Not detected	5.6	Not detected	54
Naphthalene			Not detected	5.6	530	54
Phenanthrene			Not detected	5.6	Not detected	54
Pyrene			Not detected	5.6	Not detected	54

YORK

Client Sample ID			BCG:SB-13:GW		BCG:SB-14:GW	
York Sample ID			09120918-07		09120918-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Metals, Total RCRA List	SW846-6010B	mg/L	---	---	---	---
Arsenic, total			Not detected	0.004	Not detected	0.004
Barium, total			0.067	0.005	0.117	0.005
Cadmium, total			Not detected	0.005	Not detected	0.005
Chromium, total			Not detected	0.005	Not detected	0.005
Lead, total			Not detected	0.003	0.032	0.003
Selenium, total			Not detected	0.005	Not detected	0.005
Silver, total			Not detected	0.005	Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			BCG:SB-3:10-15'		BCG:SB-8:15-20'	
York Sample ID			09120918-09		09120918-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	500	Not detected	500
1,1,1-Trichloroethane			Not detected	500	Not detected	500
1,1,2,2-Tetrachloroethane			Not detected	500	Not detected	500
1,1,2-Trichloroethane			Not detected	500	Not detected	500
1,1-Dichloroethane			Not detected	500	Not detected	500
1,1-Dichloroethylene			Not detected	500	Not detected	500
1,1-Dichloropropylene			Not detected	500	Not detected	500
1,2,3-Trichlorobenzene			Not detected	500	Not detected	500
1,2,3-Trichloropropane			Not detected	500	Not detected	500
1,2,4-Trichlorobenzene			Not detected	500	Not detected	500
1,2,4-Trimethylbenzene			60000	500	80000	500
1,2-Dibromo-3-chloropropane			Not detected	500	Not detected	500
1,2-Dibromoethane			Not detected	500	Not detected	500
1,2-Dichlorobenzene			Not detected	500	Not detected	500
1,2-Dichloroethane			Not detected	500	Not detected	500
1,2-Dichloropropane			Not detected	500	Not detected	500
1,3,5-Trimethylbenzene			18000	500	9800	500
1,3-Dichlorobenzene			Not detected	500	Not detected	500
1,3-Dichloropropane			Not detected	500	Not detected	500
1,4-Dichlorobenzene			Not detected	500	Not detected	500
2,2-Dichloropropane			Not detected	500	Not detected	500
2-Chlorotoluene			Not detected	500	Not detected	500
4-Chlorotoluene			Not detected	500	Not detected	500
Benzene			Not detected	500	Not detected	500
Bromobenzene			Not detected	500	Not detected	500
Bromochloromethane			Not detected	500	Not detected	500
Bromodichloromethane			Not detected	500	Not detected	500
Bromoform			Not detected	500	Not detected	500
Bromomethane			Not detected	500	Not detected	500
Carbon tetrachloride			Not detected	500	Not detected	500
Chlorobenzene			Not detected	500	Not detected	500
Chloroethane			Not detected	500	Not detected	500
Chloroform			Not detected	500	Not detected	500
Chloromethane			Not detected	500	Not detected	500

YORK

Client Sample ID			BCG:SB-3:10-15'		BCG:SB-8:15-20'	
York Sample ID			09120918-09		09120918-10	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
cis-1,2-Dichloroethylene			Not detected	500	Not detected	500
cis-1,3-Dichloropropylene			Not detected	500	Not detected	500
Dibromochloromethane			Not detected	500	Not detected	500
Dibromomethane			Not detected	500	Not detected	500
Dichlorodifluoromethane			Not detected	500	Not detected	500
Ethylbenzene			Not detected	500	Not detected	500
Hexachlorobutadiene			Not detected	500	Not detected	500
Isopropylbenzene			2100	500	4900	500
Methylene chloride			Not detected	500	Not detected	500
MTBE			Not detected	500	Not detected	500
Naphthalene			2800	500	8700	500
n-Butylbenzene			11000	500	12000	500
n-Propylbenzene			6100	500	13000	500
o-Xylene			Not detected	500	Not detected	500
p- & m-Xylenes			1600	500	3200	500
p-Isopropyltoluene			8500	500	Not detected	500
sec-Butylbenzene			6000	500	8200	500
Styrene			Not detected	500	Not detected	500
tert-Butylbenzene			1000	500	Not detected	500
Tetrachloroethylene			Not detected	500	Not detected	500
Toluene			Not detected	500	Not detected	500
trans-1,2-Dichloroethylene			Not detected	500	Not detected	500
trans-1,3-Dichloropropylene			Not detected	500	Not detected	500
Trichloroethylene			Not detected	500	Not detected	500
Trichlorofluoromethane			Not detected	500	Not detected	500
Vinyl chloride			Not detected	500	Not detected	500

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

Notes for York Project No. 09120918

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

Approved By: Robert Q. Bradley
Managing Director

Date: 12/29/2009

YORK

CHAIN OF CUSTODY RECORD

CHAZEN ENVIRONMENTAL SERVICES, INC.

09120918

Dutchess County Office:
21 Fox Street
Poughkeepsie, New York 12601
Phone:845-454-3980
Fax:845-454-4026

Capital District Office:
547 River Street
Troy, New York 12180
Phone:518-273-0055
Fax:518-273-8391

North County Office:
100 Glen Street
Glens Falls, New York 12801
Phone:518-812-0513
Fax:518-812-2205

Attention: Catherine / Emily
Project Name: Brooklyn Church of God
Location: Brooklyn, NY
Project Number: 20918
Project Manager: E.P.

P.O. # P11178

PACKED ON ICE

Laboratory: YORK
Turn Around Time: 2 day
Level: NORM
CT RCP Required?: Y / N (N circled)

SAMPLE ID	DATE	TIME	Composit	Grab Sample	Matrix*	Total # of Containers	Size / Type / Pres.	40 mL Vial	Liter	500 mL	250 mL (Pres.: HNO3)	125 mL	8 oz. Soil	4 oz. Soil	2 oz. Soil	Other	ANALYSIS REQUESTED
BCG:SB-7:GW	12/22/09	1430		✓	GW	4		2	1		1						8260 Full / 8270 Stars RCRA metals ON ALL
BCG SB-8 GW	12/22/09	1545		✓	GW	4		2	1		1						
BCG:SB-16:GW	12/23/09	10:15		✓	GW	4		2	1		1						
BCG:SB22:GW	12/23/09	1215		✓	GW	4		2	1		1						
BCG:SB-11:GW	12/23/09	1430		✓	GW	4		2	1		1						
BCG:SB-10:GW	12/23/09	1530		✓	GW	4		2	1		1						
BCG:SB-13:GW	12/23/09	1615		✓	GW	4		2	1		1						
BCG:SB-14:GW	12/23/09	1730		✓	GW	4		2	1		1						
BCG:SB-3:10-15	12/22/09	14:40		✓	SS	1								1			→ 8260 Full ONLY
BCG:SB-8:15-20	12/22/09	1540		✓	SS	1								1			→ 8260 Full ONLY

Please Identify Matrix: GW • Groundwater SW • Surface Water DW • Drinking Water SS • Soil Sample SD • Sediment Sample SL • Sludge PS • Process Sample Other (Please Specify)
Container Type: CG = Clear Glass – AG = Amber Glass PL = Plastic

Sampled By: Name: D. Michaud (Please Print) Date: 12/22/09 Time: 12:00 Company: CES
Relinquished By: Name: D. Michaud (Please Print) Date: 12/24/09 Time: 9:00 Company: CES
Received By: Name: [signature] (Please Print) Date: 12-24-09 9:00 AM Time: 9:00 AM Company: YORK
Received By: Name: [signature] (Please Print) Date: 12/24/09 Time: 1520 Company: YORK 3.7 °C

PLEASE NOTE: Pink Sheet - Chazen Copy Yellow Sheet - Laboratory File Copy White Top Sheet - Report Copy (Please return along with completed Lab Results)

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Chazen Environmental Services
21 Fox Street
Poughkeepsie, NY 12601
Attention: Dan Michaud

Report Date: 12/31/2009
Re: Client Project ID: 20918.00
York Project No.: 09120980

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA Reg. 68-04440

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

Report Date: 12/31/2009
Client Project ID: 20918.00
York Project No.: 09120980

Chazen Environmental Services
21 Fox Street
Poughkeepsie, NY 12601
Attention: Dan Michaud

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 12/30/09. The project was identified as your project "20918.00".

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

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

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

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

Analysis Results

Client Sample ID			CGB-SB-18/0-5'		CGB-SB-17/0-5'	
York Sample ID			09120980-01		09120980-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	50	Not detected	50
1,1,1-Trichloroethane			Not detected	50	Not detected	50
1,1,2,2-Tetrachloroethane			Not detected	50	Not detected	50
1,1,2-Trichloroethane			Not detected	50	Not detected	50
1,1-Dichloroethane			Not detected	50	Not detected	50
1,1-Dichloroethylene			Not detected	50	Not detected	50
1,1-Dichloropropylene			Not detected	50	Not detected	50
1,2,3-Trichlorobenzene			Not detected	50	Not detected	50
1,2,3-Trichloropropane			Not detected	50	Not detected	50
1,2,4-Trichlorobenzene			Not detected	50	Not detected	50
1,2,4-Trimethylbenzene			930	50	Not detected	50
1,2-Dibromo-3-chloropropane			Not detected	50	Not detected	50
1,2-Dibromoethane			Not detected	50	Not detected	50
1,2-Dichlorobenzene			Not detected	50	Not detected	50
1,2-Dichloroethane			Not detected	50	Not detected	50
1,2-Dichloropropane			Not detected	50	Not detected	50

YORK

Client Sample ID			CGB-SB-18/0-5'		CGB-SB-17/0-5'	
York Sample ID			09120980-01		09120980-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3,5-Trimethylbenzene			280	50	Not detected	50
1,3-Dichlorobenzene			Not detected	50	Not detected	50
1,3-Dichloropropane			Not detected	50	Not detected	50
1,4-Dichlorobenzene			Not detected	50	Not detected	50
2,2-Dichloropropane			Not detected	50	Not detected	50
2-Chlorotoluene			Not detected	50	Not detected	50
4-Chlorotoluene			Not detected	50	Not detected	50
Benzene			Not detected	50	Not detected	50
Bromobenzene			Not detected	50	Not detected	50
Bromochloromethane			Not detected	50	Not detected	50
Bromodichloromethane			Not detected	50	Not detected	50
Bromoform			Not detected	50	Not detected	50
Bromomethane			Not detected	50	Not detected	50
Carbon tetrachloride			Not detected	50	Not detected	50
Chlorobenzene			Not detected	50	Not detected	50
Chloroethane			Not detected	50	Not detected	50
Chloroform			Not detected	50	Not detected	50
Chloromethane			Not detected	50	Not detected	50
cis-1,2-Dichloroethylene			Not detected	50	Not detected	50
cis-1,3-Dichloropropylene			Not detected	50	Not detected	50
Dibromochloromethane			Not detected	50	Not detected	50
Dibromomethane			Not detected	50	Not detected	50
Dichlorodifluoromethane			Not detected	50	Not detected	50
Ethylbenzene			230	50	Not detected	50
Hexachlorobutadiene			Not detected	50	Not detected	50
Isopropylbenzene			56	50	Not detected	50
Methylene chloride			Not detected	50	Not detected	50
MTBE			Not detected	50	Not detected	50
Naphthalene			550	50	Not detected	50
n-Butylbenzene			100	50	Not detected	50
n-Propylbenzene			170	50	Not detected	50
o-Xylene			Not detected	50	Not detected	50
p- & m-Xylenes			Not detected	50	Not detected	50
p-Isopropyltoluene			Not detected	50	Not detected	50
sec-Butylbenzene			Not detected	50	Not detected	50
Styrene			Not detected	50	Not detected	50
tert-Butylbenzene			110	50	Not detected	50
Tetrachloroethylene			Not detected	50	Not detected	50
Toluene			Not detected	50	Not detected	50
trans-1,2-Dichloroethylene			Not detected	50	Not detected	50
trans-1,3-Dichloropropylene			Not detected	50	Not detected	50
Trichloroethylene			Not detected	50	Not detected	50
Trichlorofluoromethane			Not detected	50	Not detected	50
Vinyl chloride			Not detected	50	Not detected	50
Semi-Volatiles, STARS List	SW846-8270	ug/kG	---	---	---	---
Acenaphthene			Not detected	16500	Not detected	825
Acenaphthylene			Not detected	16500	Not detected	825
Anthracene			Not detected	16500	Not detected	825
Benzo[a]anthracene			Not detected	16500	1600	825
Benzo[a]pyrene			Not detected	16500	Not detected	825
Benzo[b]fluoranthene			Not detected	16500	Not detected	825

YORK

Client Sample ID			CGB-SB-18/0-5'		CGB-SB-17/0-5'	
York Sample ID			09120980-01		09120980-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo[g,h,i]perylene			Not detected	16500	Not detected	825
Benzo[k]fluoranthene			Not detected	16500	Not detected	825
Chrysene			Not detected	16500	1800	825
Dibenz[a,h]anthracene			Not detected	16500	Not detected	825
Fluoranthene			Not detected	16500	4000	825
Fluorene			Not detected	16500	Not detected	825
Indeno[1,2,3-cd]pyrene			Not detected	16500	Not detected	825
Naphthalene			Not detected	16500	Not detected	825
Phenanthrene			Not detected	16500	4000	825
Pyrene			Not detected	16500	4000	825
Metals, total RCRA List	SW846-6010	mg/kG	---	---	---	---
Arsenic, total			7.28	1.00	14.2	1.00
Barium, total			635	0.50	1310	0.50
Cadmium, total			3.97	0.50	13.2	0.50
Chromium, total			16.4	0.50	39.3	0.50
Lead, total			666	0.50	2600	0.50
Selenium, total			Not detected	1.00	Not detected	1.00
Silver, total			Not detected	0.50	Not detected	0.50
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10
Ethylene Glycol	GC/DAI	mg/Kg	Not detected	20.0	Not detected	20.0

Client Sample ID			CGB-SB-18:GW		CGB-SB-17:GW	
York Sample ID			09120980-03		09120980-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			CGB-SB-18:GW		CGB-SB-17:GW	
York Sample ID			09120980-03		09120980-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,2-Dichloroethylene			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,2-Dichloroethylene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Semi-Volatiles, STARS List	SW846-8270	ug/L	---	---	---	---
Acenaphthene			Not detected	5.6	Not detected	5.6
Acenaphthylene			Not detected	5.6	Not detected	5.6
Anthracene			Not detected	5.6	Not detected	5.6
Benzo[a]anthracene			Not detected	5.6	Not detected	5.6
Benzo[a]pyrene			Not detected	5.6	Not detected	5.6
Benzo[b]fluoranthene			Not detected	5.6	Not detected	5.6
Benzo[g,h,i]perylene			Not detected	5.6	Not detected	5.6
Benzo[k]fluoranthene			Not detected	5.6	Not detected	5.6
Chrysene			Not detected	5.6	Not detected	5.6
Dibenz[a,h]anthracene			Not detected	5.6	Not detected	5.6
Fluoranthene			Not detected	5.6	Not detected	5.6
Fluorene			Not detected	5.6	Not detected	5.6
Indeno[1,2,3-cd]pyrene			Not detected	5.6	Not detected	5.6

YORK

Client Sample ID			CGB-SB-18:GW		CGB-SB-17:GW	
York Sample ID			09120980-03		09120980-04	
Matrix			WATER		WATER	
Parameter	**Method**	**Units**	**Results**	**MDL**	**Results**	**MDL**
Naphthalene			Not detected	5.6	Not detected	5.6
Phenanthrene			Not detected	5.6	Not detected	5.6
Pyrene			Not detected	5.6	Not detected	5.6
Metals, Total RCRA List	SW846-6010B	mg/L	---	---	---	---
Arsenic, total			Not detected	0.004	Not detected	0.004
Barium, total			0.101	0.005	0.085	0.005
Cadmium, total			Not detected	0.005	Not detected	0.005
Chromium, total			Not detected	0.005	Not detected	0.005
Lead, total			Not detected	0.003	Not detected	0.003
Selenium, total			Not detected	0.005	Not detected	0.005
Silver, total			Not detected	0.005	Not detected	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002
Ethylene Glycol	GC/DAI	mg/L	Not detected	10.0	Not detected	10.0

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

Notes for York Project No. 09120980

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

Approved By: Robert Q. Bradley
Managing Director

Date: 12/31/2009

YORK

CHAIN OF CUSTODY RECORD

CHAZEN ENVIRONMENTAL SERVICES, INC.

0912080

Dutchess County Office:
21 Fox Street
Poughkeepsie, New York 12601
Phone:845-454-3980
Fax:845-454-4026

Capital District Office:
547 River Street
Troy, New York 12180
Phone:518-273-0055
Fax:518-273-8391

North County Office:
100 Glen Street
Glens Falls, New York 12801
Phone:518-812-0513
Fax:518-812-2205

Attention: Dan Michaud

Project Name: Brooklyn Church of God

Location: New York

Project Number: 20918.00

Project Manager: Emily Pereira

P.O. #

Packed on ice

Laboratory: YORK

Turn Around Time: 24 hour

Level: NORM

CT RCP Required?: Y / N

SAMPLE ID	DATE	TIME	Composit	Grab Sample	Matrix*	Total # of Containers	Size	40 mL Vial	Liter	500 mL	250 mL	125 mL	8 oz. Soil	4 oz. Soil	2 oz. Soil	Other	ANALYSIS REQUESTED
							Type										
							Pres.	HCl	4C				4C		4C		
CGB-SB-18/0-5'	12-24-09	1020		X	SS	2							#		#		[redacted]
CGB-SB-18:GW	12-24-09	1045		X	GW	4		2	2								8260 FULL, 8270 SIMS, REGAMETALS
CGB-SB-11/05'	12-24-09	1120		X	SS	2							1		1		ETHYLENE GLYCOL
CGB-SB-11:GW	12-24-09	1200		X	GW	4		2	2								#
																	(SAME FOR ALL)

Please Identify Matrix: GW • Groundwater SW • Surface Water DW • Drinking Water SS • Soil Sample SD • Sediment Sample SL • Sludge PS • Process Sample Other (Please Specify)

Container Type: CG = Clear Glass – AG = Amber Glass PL = Plastic

	Name (Please Print)	Date	Time	Company
Sampled By:	D. MichaD	12/24/09	1100	CES
Relinquished By:	D. MichaD	12/29/09	1425	CES
Received By:	D. Massee	12/29/09	1405	UPS Store
Received By:	P. Grace	12/30/09	0918 3.5°C	York

PLEASE NOTE: Pink Sheet - Chazen Copy Yellow Sheet - Laboratory File Copy White Top Sheet - Report Copy (Please return along with completed Lab Results)